filled in the entering class. Accordingly, the admission process is selective. An attempt is made to identify those applicants whose credentials evidence abilities to think clearly, read and synthesize complicated materials, write well and make a significant contribution to the educational program of the law school.

Two main factors considered in the admissions process are the cumulative undergraduate grade point average (GPA) and the LSAT score. In combination, these give a starting point for detailed examination of the file. When the combination of these two items is high, the likelihood of admission is also high.

The selection process is often not strictly mathematical since other matters often bear upon the validity of the GPA or LSAT and the capability of the candidate. Therefore, the College of Law, through an Admissions Committee comprised of faculty, staff and student members, may review such factors as an improved grade trend, the college or university attended, course selection patterns, the rigor of the academic program undertaken, distribution of college grades, a change in performance after an absence from college, unusual writing ability as evidenced by publication, a unique cultural background, performance despite educational or economical disadvantage, employment experience, graduate study, significant community/collegiate activities and Arizona residency.

Affirmative Action. The College of Law has an affirmative action admission policy, and applications from members of minority groups are encouraged. Under the program, special consideration is given in admissions and financial aid decisions to qualified members of cultural, ethnic or racial groups who have not had a fair opportunity to develop their potential for academic achievement, who lack adequate representation within the legal profession and who would not otherwise be meaningfully represented in the entering class. Groups usually qualifying have been blacks, Native Americans, Chicanos, Asians, senior citizens, the physically handicapped and the seriously economically disadvantaged.

Course of Study

The program of study in the College of Law is designed for full-time students. In the first year of the three-year program, the course of study is prescribed and incorporates the time-proven techniques of legal education. This first year gives the student—by the "case method," by the "problem method," by "moot court" and through other techniques—an intensive exposure to the basic legal processes.

As a part of the program, each first-year student is assigned to a small section. Also, in the Legal Research and Writing program, first-year students prepare legal briefs and memoranda and receive feedback through the use of practice examinations. The focus of the program is on the development of writing and organizational skills necessary for success in law school and the practice of law. The second and third years contain a wide range of courses varying in format as well as subject matter, allowing students to pursue both the basic subjects of law study as well as more specialized interests. By offering the student great freedom in the selection of subjects, the educational experience is in sharp contrast to the curriculum of the first year. In addition, the college has a number of faculty-supervised clinical education programs and a program of supervised externships.

Law Journal. The College of Law publishes a professional law review, the *Arizona State Law Journal*, edited by students of the second- and third-year classes. Membership on the law journal is determined by grade performance in the first year and, for some, by submitting written work in a writing competition. Participation on law review is hard but rewarding work. For those eligible, the review provides one of the finest avenues for legal education thus far developed. Its work contributes to the student's intellectual advancement, to the development of law and the legal profession, and to the stature of the law school.

Grading

College of Law courses are graded under the following numerical scale:

99–90	A, Distinction
89–80	B, Excellent
79–70	C, Good
69–60	D, Deficient
59–50	F, Failure

A grade of 60 or above is required to receive credit for any course.

Retention Standards. To be eligible to continue in the law school, a student must maintain a cumulative weighted average of 70 or better at the end of each semester or summer session. Any student who fails to achieve a 70 average in any one semester, regardless of cumulative average, is automatically placed on probation. Continuation

of enrollment by probationary students shall be upon such terms and conditions as the college may impose.

A student whose cumulative average falls below the required level or whose semester average is less than 70 in two consecutive semesters will be dismissed but may apply to the Office of the Dean for readmission. The Office of the Dean shall refer the application to a faculty Committee on Readmission. Where the academic average deficiency is slight and evidence of extenuating circumstances is convincing, readmission may be granted on a probationary status after a review of the reasons contributing to unsatisfactory performance and a finding that there is substantial prospect for acceptable academic performance. Continuation in school thereafter may be conditional on achieving a level of performance higher than the overall 70 average. Further detailed information concerning the college's retention standards can be found in the *Bulletin of the College of Law*.

Special Honors at Graduation. At the time of graduation, students with academic distinction in the study of law may be awarded the respective designations cum laude, magna cum laude and summa cum laude. The college also bestows membership in the Order of the Coif upon students in the top 10% of the class. Recipients of these awards are selected by the law faculty on the basis of academic performance.

Master of Laws Degree

Through the Graduate College, faculty in the College of Law offer a program leading to the Master of Laws (LL.M.) degree. For details concerning this graduate degree program, refer to the current *Graduate Catalog*.

Law Building and Law Library

The John S. Armstrong Law Building is in the central campus near other colleges of the university and the Hayden Library. The Law Building provides every modern facility for legal education and has been described by experts on planning law buildings as setting a new standard in functional design.

The Law Library, with a collection of over 270,000 volumes and microform volume equivalents, ranks as one of the strongest in the region.

Center for the Study of Law, Science and Technology

The Arizona State University Center for the Study of Law, Science and Technology is a multidisciplinary research center created by the Arizona Board of Regents in 1984. The center publishes research studies, sponsors seminars and symposia, and houses visiting scholars and teachers. Through these programs, the center seeks to contribute to the formulation and improvement of law and public policy affecting science and technology, and the wise application of science and technology in the legal system.

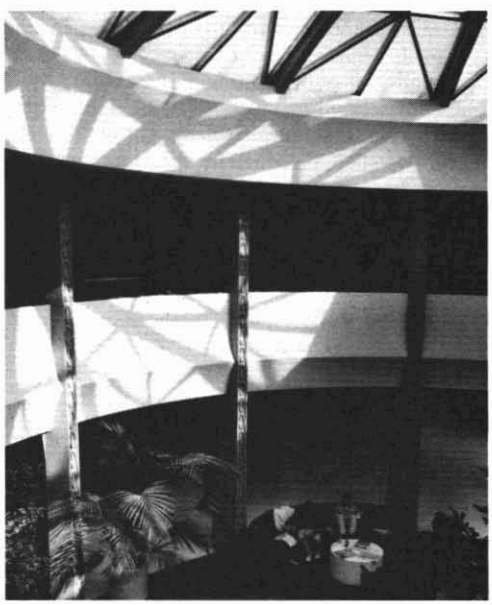
In cooperation with the American Bar Association Section on Science and Technology, the center edits the *Jurimetrics Journal of Law, Science and Technology*.

Accreditation

The college is fully accredited by the American Bar Association and is a member of the Association of American Law Schools.

Information

Further detailed information concerning the course of study, admission practices, expense and financial assistance will be found in the *Bulletin of the College of Law*. Requests for the *Bulletin* and for application forms should be addressed to the Admissions Office, College of Law, Arizona State University, Tempe, AZ 85287–0604.



Law

PROFESSORS:
(AH 201C), ALTMAN, BARTELS, BENDER, M. BERCH, BROWN, CALLEROS ELLMAN, D FURNISH, H. FURN SH GUERIN, KADER, KARJALA KAYE, LESHY LOWENTHAL, MATHESON, MORR S, ROSE SCHROEDER, STANTON, TESON, WINER

ASSOCIATE PROFESSORS:
AIKEN, BLAZE FELLER, GREY, HALL, SUGGS TUCKER, WEINSTEIN

CLINICAL PROFESSORS:
DALLYN, WEEKS

DIRECTORS:
LEGAL RESEARCH AND WR TING AND ACADEMIC SUPPORT GROUP, R. BERCH

CENTER FOR THE STUDY OF LAW SCIENCE AND TECHNOLOGY, WESSEL

PROFESSORS EMERITI:
CLEARY, DAHL, PEDRICK

LAW

LAW 515 Contracts. (4) F
The creat on and enforcement of bnd ng agreements

516 Criminal Law. 3) F
The substant ve aw of cr mes

517 Torts. (3) F
Lega protect ons of personal ty property and relat ona n terests aga nst phys ca and emotional harms

518 Civil Procedure. (4) F
The nature of jud c a power

519 Legal Research and Writing I. 2 F
Techn ques of research use of the law library preparat on of ega memoranda

521 Criminal Procedure. (3 S
The nature of the cr mina procedural system w th spec a focus on constitut ona protect ons for the accused

522 Constitutional Law I. 3) S
Ro e of courts n the federa system, d stnbut on of powers between state and federa governments ro e of procedure n tigat on of constitut ona questions

523 Property. 4 S
An ntroduct on to the law of rea and persona property

524 Legal Research and Writing II. (2 S
Cont nuat on of 519

600 Administrative Law. (3) A
Adm n strat ve process emphas z ng nature of powers ex erc sed by adm n strat ve agencies of government, prob- ems of procedure and scope of jud c a rev ew.

601 Antitrust Law. (3 F S
Legis at on and ts imp ementation to prevent monopoly and bus ness practices n restra nt of trade nc uding re strict ve agreements nvolv ng pr ce f x ng, trade assoc a t on act v ties and resa e pr ce maintenance.

602 Partnership Taxation. 2 3 A
Federa tax consequences of form ng operat ng, term nat ng or transferr ng partnersh ps

603 Conflict of Laws. 3) A
Prob ems aris ng when the operat ve facts of a case are connected w th more than one state or nat on Cho ce of aw, bases of jurisd ct on, effect of foreign judgments un der y ng federal and constitut ona ssues.

605 Evidence. (3 A
Pr nc p es and pract ce governing the competency of w t nesses and presentat on of ev dence nc uding the ru es of exc us on and roles of awyer judge and jury under the adversary system

606 Federal Income Taxation. (3 F S
Federa ncome tax n re at on to concepts of ncome, property arrangement business act v ty and current tax prob ems, w th focus on the process of tax leg s at on and admin strat on.

607 Advanced Civil Procedure. 3) F, S
Obta n ng and exchang ng information n advance of tr a , so at ng the area of controversy dispos ng of cases or s sues w thout tr a def n ng the scope of l t gat on n terms of parties and subject matter and the re at onship between success ve l t gat ons L t gat on through appea nc ud ng jur sd ct on r ght to jury select on of jury, w thdrawing case from jury instruct ng jury verd cts, judgments, appe ate rev ew.

608 Business Associations I. (3 A
Partnersh ps mited partnersh ps and sma bus ness cor porat ons. nc udes a br ef ntroduct on to account ng. De ta led ana ysis of the prob ems of form ng a c ose corpora t on state law dut es of care and oya ty management, d v dends and redempt ons, ssuance of stock, nternal d spute reso ut on d sso ut on and the genera aw of de r vative act ons

609 Business Associations II. 3 A
Interre at onsh p of federa and state aw and a brief ntro duction to corporate f nance 1933 Act) A broad overv ew of arge company regu at ons inc ud ng report ng ru es proxy regu at on ns der trad ng sale of contro tender of fers and takeovers and going pr vate Prerequisite LAW 608

610 Advanced Criminal Procedure. 3 A
Topics n cr m na procedure with emphas s on ega con straints on grand jury nvest gat ons po ce pract ces pre tr a release, pre m nary hearings prosecutoria d scret on and p ea barga n ng.

611 Estate Planning I. 3) A
Tax laws relat ng to transfer of wea th both at death and dur ng lifetime, nc ud ng federal estate tax, gift tax and n come taxat on of estates and trusts

612 Family Law. 3 A
Legal and non egal prob ems which an nd v dua may en counter because of a s tuat on as a fam y member

613 Federal Courts. (3 A
Federa judicia system, re at onsh p of federa and state aw; jur sd ct on of federa courts and their re at on to state courts

614 Labor Relations. 3 A
Co ect ve barga n ng, nc ud ng the r ght of emp oyees to organ ze and to engage n concerted activities, reso ut on of quest ons concerning the representation of emp oyees duty of emp oyers and un ons to bargain, admin stration and enforcement of co ect ve barga n ng agreements

615 Public International Law. 3 A
Ro e of aw n nternat ona d sputes Draft ng and nterpre tat on of treat es and mu t atera convent ons w l be con s dered

616 Jurisprudence. 3 A
ntroduct on to ega ph osophy w th read ngs on the na ture of aw and ega reason ng the re at onsh p between aw and mora ty and equa ty and soc a just ce

618 Trusts and Estates I. 3 A
Substant ve concepts nvo ved n transm tt ng wea th n- c ud ng nterstate success on w s and w subst tutes, the modern trust as a fam l y protect ve dev ce creat on of fu ture nterests n a p anned estate soc a restr ct ons of a nontax nature and methods of devot ng property to char table purposes

619 Trusts and Estates II. 2 3 A
Cont nuat on of 618

620 Civil Rights Legislation. 2 3 S
Coverage of the rights and remed es prov ded by federa c v r ghts eg slat on, pr nc pa y, the key prov s ons of the Reconstruct on Era C v R ghts Acts, port ons of the em p oyment d scrim nat on eg s at on and vot ng r ghts eg s at on

621 Commercial Law: Sales and Negotiable Instruments. 3) A
Transact ons n the sa es of goods and mechan sms for payment and cred t Sub ects nc ude contract nforma t on, warranty, nsk of oss, damages and documentary transact ons n sa es of goods under Un form Commerc a Code Art c e 2 the use of checks, prom ssory notes et ters of cred t and other nstruments under UCC art c es 3 4 and 5 re ated bank ng pract ces and cred t transact ons

622 Commercial Law: Secured Transactions. 3 A
Secured transactions under Art c e 9 of the Un form Com merc a Code and other re evant sect ons An overv ew of the creat on, perfect on and pr or ty effects of secur ty nterests Financ ng of bus ness enterpr se and consumer credit

623 Commercial Torts. 3 A
Involves an ana ys s of act onab e wrongs against a bus ness ent ty or aga nst propr etary r ghts he d by that ent ty cover ng the ent re spectrum of pr vate remed es for com- petit ve wrongs

624 Community Property. 1 2 A
Property r ghts of husband and w fe the Ar zona commu n ty property system homestead

625 Constitutional Law II. 3 A
Fundamenta protect on for person property, po t ca and soc al r ghts

627 Corporate Taxation. 3 A
Prob ems n taxab ty of the corporat on corporate d str but ons and corporate reorgan zat ons

628 Creditor-Debtor Relations. 3 A
Cred tors remedies n sat sfact on of c a ms and debtors protect on and re ef under bankruptcy other aws.

630 Employment Discrimination. 2 A
Focus on T t e V I of the C v R ghts Act of 1964 wh ch for bids d scrimnat on n employment based upon race re gion nat ona ong n or sex The substance and procedura aspects of T t e V I are covered in deta l nc ud ng cover age, adm n strat ve procedures burdens of proof spec a prob ems of re g ous and sex d scr m nat on, statutory and court created defenses, sen ority systems and remed es

631 Environmental Law. 3 A
L t gat on adm n strat ve law and eg s at on re at ng to prob ems of env ronmenta qua ty Top cs covered may nc ude a r and water po ut on tox c substances, pest c des and rad at on

632 Indian Law. 3 A
Inqu ry nto ega problems spec a to Amer can nd ans and tr bes

634 Judicial Remedies. 3 A
The nature and m ts of nj unct ve rest tut onary and com pensatory remed es for the protect on of persona prop erty po t ca and c v r ghts

635 Juvenile Justice System. 3 N
Spec a prob ems n the juven e system

636 Land Use Regulation. 3 N
Lega prob ems n the regu at on and contro of and deve opment by state and oca governments Adm n strat on of zon ng subd v s on and other p ann ng contro s ssues of fa rness and procedure n the ut zat on of such contro s

637 Lawyering Process. 3 N
Ro es and respons b ties of awyers, as advocates nego t at on w tness exam nat on (direct and cross and argu ment.

638 Legal Profession. 2 F S
Organ zed bar distr but on of ega serv ces n modern so c ety econom cs of the profess on profess ona canons of eth cs for the bar and jud c ary and prob ems n pol c ng the profess on

639 Natural Resource Law. 3 A
Exam nes the const tut ona bas s for federa and man agement and the d fferent k nds of pub c ands manage ment schemes e g parks, forests, w d fe refuges , em phas z ng acquis t on of r ght to and regu at on of the d f ferent uses of pub c ands and resources e g m n ng, graz ng t mber wi d fe hab tat recreat on

640 Securities Regulation. 2 A
Se ected prob ems ar s ng under the major statutes con cerned w th regu at ng the secur t es market

641 State and Local Government. 2 3 N
Lega prob ems nvo ved n the organ zat on and adm n strat on of governmenta un ts nc ud ng the c ty county town v age schoo d str ct and spec a d str ct

643 Water Law. 3 A
Acqu s t on of water r ghts water use contro s nterstate conf cts

644 Intellectual Property. 3 N
The protect on of nte ectua property and encouragement of creat v ty trade values trade secrets, patents copy r ghts perform ng arts and v sua arts

702 Alternative Dispute Resolution. 2 3) A
A broad exposure to methods of sett ng d sputes n our soc ety such as med at on arb trat on conc at on and ne got at on nc ud ng exam nat on of the current t gat on mode

703 Law, Science and Technology. 2 3 A
The ega mechan sms used in dea ng w th various ssues ra sed by contemporary sc ence and techno ogy. Current ega responses to sc ence and techno ogy are exp ored

705 Mass Communications. (2 3 A
An exam nat on of F rst Amendment princ p es and statu tory and regu atory requ rements w th respect to the con vent ona print and broadcast med a as we as recent techno og es such as cab e

706 Immigration Law. 2 3 A
Exp orat on of pol t ca econom c, soc a and ega ssues concern ng mm grat on Spec f c top cs covered nc ude c t zensh p and natura zat on denatural zat on deporta t on and refugee r ghts and asy um

707 Corrections and Sentencing. 2 3 N
Just f cat ons for pun shment, the effect of pun shment upon the nd vidua and soc ety, statutory bas s for sen tencing n Ar zona and the ro e of the awyer n the sen tenc ng process

709 International Human Rights. 2 3 N
nternat ona ru es and procedures govern ng the protec t on of human r ghts

710 Real Estate Tax Planning. (2 3 A
D scuss on of top cs nc ud ng but not exc us ve to rea es tate nvestments as tax she ters, a ternat ve acqu s t on f - nance dev ces ref nanc ng techn ques and nontaxab e exchanges

711 Real Estate Transfer. 2 3) A
An exam nat on of the ega aspects of the sa e and pur chase of rea property encompass ng three areas the ro e of the awyer and broker n the transact on the sa es contract and ssues re at ng to tit e protection

712 Religion and the Constitution. 2 3 A
An n depth study of the estab shment" and "free exer c se" c auses of the F rst Amendment to the Un ted States Constitution

714 Law and Social Science. 2 3 N
Invest gat on of the use of soc a sc ence research and methods n the ega system Top cs nc ude psycho ogy of eye w tness dent f cat on soc a psycho og ca stud es of dec s on mak ng, stat st ca ev dence of d scrim nat on econometr c stud es of the deterrent effects of cap ta pun shment and c n ca pred ct ons of v o ent behavior.

715 Professional Sports. 2 3 N
Unique ega prob ems re at ng to profess ona sports n c ud ng the r re at onsh p to ant trust aws, the nature of the p ayer contracts and assoc ated tax prob ems

717 Legislative Process. 2 3 N
Exp ore both the ega and the pract ca context w th n wh ch the eg s at ve process operates w th a major com ponent of the course be ng a eg s at ve draft ng project.

721 Education and the Law. 2 3 N
Current ega prob ems affect ng nst tut ons of h gher edu cation facu ty students and govern ng boards

727 Federal Income Tax Policy. 2 3 N
Advanced cons derat on of federa persona ncome tax po cy w th reference to se ected problems nc ud ng the ncome she ter ng process. Prerequis te LAW 606

733 Negotiation, Mediation and Counseling. 3 N
Exp ores a ternat ve mode s of negot ated d spute reso u t on, as we as the ro es of awyer and c ent n the nego t at on process. Extensive use of s mu at on exerc ses

735 Estate Planning II. 2 3) N
Preparat on of actua estate p ans and imp ement ng ega documents for a var ety of typ ca pr vate c ents Both tax and nontax e ements n preparat on of the p ans w' l be cons dered Prerequ s te: LAW 611

736 Planning for the Business Client. 2 3 A
Plann ng transact ons nvo v ng bus ness organ zat ons w th spec a emphas s on ncome tax and corporate con s derat ons

737 Planning Private Real Estate Developments. 2 3) N
Lega aspects of real estate deve opment nc ud ng nego t at on ega dev ces for f nanc ng promot on of sa es, leas ng prob ems and comp ance w th ega contro s as we as creat on of pr vate contro s over land use.

738 Practice Court. 2 3) A
Students act as awyers n conduct ng a case through a stages of tr a from commencement of the act on to f na judgment

740 Problems of Litigation. 2 3 N
Current deve opments n the f e ds of pract ce, procedure and ev dence

745 The Supreme Court. 2 3 N
Intens ve exam nat on of selected current deci s ons of the *U.S Supreme Court.*

761 Selected Problems in Antitrust. 2 3 N
Ana ys s of the pr vate enforcement techn ques n ant trust. Rev ew and ana ys s of the var ous defenses proce dura prob ems and damage ssues

767 Selected Problems in Developing Nations. 2 3) N
The effect of aw n soc a change and deve opment through agrar an reform ndustr a deve opment, eco nom c ntegrat on Emphas s on Lat n Amer ca

768 International Business Transactions. (2 3) N
Prob ems and po cy cons derat ons nvo ved in nterna t ona trade· tar ffs nternat ona monetary contro s, deve opment oans, etc

770 Law Journal. 1 3 F S
Academic cred t for successfu comp etion of work by a member of the staff of *Ar zona State Law Journal*; f ve semester hour max mum

772 Internships in Law. 1–6 F, S
C v defender or prosecutor p acement and re ated class room component

773 Internships in Law. 1–6 F, S, SS
P acement n the Law Schoo C n c and re ated c assroom component

774 Internships in Law. 1–6) F S, SS
P acement n Prosecutor C n c and re ated c assroom component.

780 Moot Court. 1 3 F, S
Academ c cred t for successfu comp et on of work as a member of the Moot Court Board of D rectors; three se mester hour max mum

781 Individual Study. 1 F, S, SS
With the approva of a facu ty member a student may re search a ega subject of spec a interest and prepare a paper su tab e for pub cat on

782 Individual Study. (2) F S SS
See LAW 781.

783 Individual Study. 3) F S SS
See LAW 781.

784 Moot Court Competition. 1–4 F, S
Successfu part c pat on and comp et on of a nat ona moot court competit on

785 Externship. 1 12) S, F, SS
Superv sed, pract ca awyer ng in an externa placement proposed by the student or estab shed by a sponsor ng agency and approved by the aw schoo In add t on an *associated academ c component* s estab shed by the stu dent w th a member of the faculty

791 Seminar in Law. (1 12) F S

College of Nursing

Janelle C. Krueger, Ph.D.
Dean

Purpose

The faculty of the College of Nursing acknowledge their responsibility to health care consumers for the preparation of individuals who will provide nursing care of professional quality through teaching, research and service. The purpose of the College of Nursing is to provide educational programs that prepare professional nurses to meet the nursing care needs of individuals, groups and communities. To achieve this purpose, the college offers three programs, the baccalaureate, the graduate and the continuing education programs. Within the context of a liberal education, the degree programs prepare professional nurses who: (a) understand and respond to changing health and social needs and services; (b) influence nursing practice and health care through leadership and participation in professional and sociopolitical activities, and (c) utilize scientific knowledge to advance professional nursing practice. The continuing education program provides opportunities for nurses to improve and expand their nursing practice to meet the health care needs of various populations and to further their own professional development.

Organization

The College of Nursing recognizes the three major missions of the university, i.e., teaching, research and service. The associate dean for academic programs is responsible for the degree programs; in addition, each degree program has a coordinator who assumes responsibility for the progression of students through the programs.

The associate dean for research is responsible for research development and works with both faculty and students to facilitate research activities. The assistant dean for community resources is responsible for the continuing education and service activities of the college

The faculty are grouped under four divisions of major clinical areas within nursing: adult health/medical surgical nursing, community health nursing, community mental health psychiatric nursing, and parent child nursing. Each division has a chair and each faculty member belongs to a division.

Admission

Students are admitted directly to the major as freshmen. In addition to meeting the university requirements for admission, students are required to have one year each of high school physics and chemistry. Two years of high school chemistry are recommended.

A 2.50 cumulative grade point average is required for admission into the upper division (300 to 400 level) nursing courses.

State Board of Nursing Requirement. Students must have a high school diploma or GED certificate to be eligible to write the State Board Examination for licensure as a Registered Nurse.

CPR Certification. All students entering the professional nursing courses must be certified in cardiopulmonary resuscitation (CPR as evidenced by a current CPR card This certification must be maintained while in the program. CPR is taught in the college in the course NUR 119 and is also available outside the College of Nursing.

College Health Requirements. Students enrolled in the professional Nursing major are responsible for fulfilling the requirements of the current health policies of the College of Nursing. The student is responsible for providing proof to the Student Services Office of having met these requirements prior to enrollment in NUR 211 Nurse Client Relationships. The policy includes:

1. Col ege of Nursing Health History Inventory and Record ot Physical Examination,
2 Proot ot rubella mmunity,
3. A tuberculin skin test is required annually while in the Nursing ma or. A Nursing stu dent may not participate in any clinical expe rience without meeting this requirement

ASU Health Requirements. All university students must meet university health require ments, including proof of measles (rubeola) in ocu ation if born after January 1, 1957. Admis sion may be denied or canceled for any applicant who has been shown by the university to have either an uncompensated psychiatric illness or a physical illness which can be hazardous to the safety of other persons (see page 29)

Insurance Requirements

Liability nsurance University Liability Insur ance is limited. Therefore t is highly recom n ended that students carry their own personal professional liab lity insurance when enrolled in clinical nursing courses

Hea th and t dent insurance It is strongly rec ommended that all students carry their own health and accident insurance. Each student is personally responsible for costs related to any accident or ill ness during or outside of school activities.

Student Employment Students intending to pursue the professional Nursing major on a full time basis should expect to spend approximately 45 hours per week in class and study Thus any additional activities or employment should be kept at a minimum

Transfer Students. Any student enrolled in good standing at any NLN accredited baccalaure ate school of nursing, or having been enrolled in good standing w thin the past two years, may ap ply for admission with advanced standing.

Transfer students must complete the applica tion process at least one full semester before the anticipated date of admission. Transfer students must submit official transcripts, a catalog from the institution of transfer, and course outlines in order that course equivalencies may be assessed. A grade point average of 2.50 is required for ad mission All other admission requirements are the same as outlined on page 32.

Admission of Registered Nurses. Regis tered Nurses have alternatives available to them in the completion of the baccalaureate degree They are encouraged to work closely with an ad visor in planning their program of study. NUR 306 Professional Development for RN's and NUR 314 Health Assessment for RN's are re quired. All other admission requirements are the same as outlined on pages 28 34. In addition, Registered Nurses must submit a photostatic copy of the current license to practice nursing

Readmission. Students who have not been in continuous enrollment must petition for readmis sion to the professional nursing courses. Along with the petition, students must provide the fol lowing documents

1 Proof of current enrollment or readmission to ASU.
2. Transcripts from all colleges attended,
3. Application for admission to the professional nursing courses,
4. Health History/Physical Examination.

Advisement

Students are responsible for meeting the degree requirements and seeking advisement regarding their program status progress This includes hav ing transcripts of all college courses sent to the university registrar. Advisor signatures are re quired on various university reg stration forms for validation All nursing students are assigned a faculty advisor. The faculty advisor assists stu dents with program planning, registration, prepa ration of needed petitions, verification of gradu ation requirements, referrals to university and community resources, and assistance with career planning.

Degrees

Master of Science

The College ot Nursing offers a program leading to a Master of Science degree which requires 40 semester hours. Requirements for this program are described in the *Graduate Catalog*. Persons interested in applying for admission to the pro gram should write to the Arizona State University Graduate College for a *Catalog* and application form.

Bachelor of Science in Nursing

The completion of the four year curriculum in Nursing leads to a Bachelor of Science in Nursing degree. The purpose of the program is to prepare beginning professional nurses who possess the theoretical foundation and the clinical compe tence to function in various health care settings The graduate is prepared to deliver nursing care services to individuals, families, population groups, and communities The baccalaureate pro gram provides a foundation for graduate studies in nursing at the master's level

The program objectives for the baccalaureate curr culum are directed toward preparation of graduates with generalist abilities Based on the theoretical and empirical knowledge from nurs ing, the humanities, physical, biological and be hav ioral sciences, graduates are prepared to:

1 Synthesize knowledge from the sciences and humanities with nursing theory to meet the goals of professional practice which include health promotion, maintenance and restora tion, illness care, rehabilitation health coun seling, and education
2. Provide professional nursing care to cultur ally diverse individuals, families, population groups, and communities using theory based nursing process.
3. Accept individual responsib lity and ac countability for providing nursing care to clients and for evaluating the outcomes of that care.
4. Incorporate ethical and legal aspects of nurs ing into nursing practice.
5. Evaluate research for its application to the improvement of nursing practice.
6 Assume a leadership role at the generalist level in the promotion, maintenance and res toration of health, rehabilitation and in illness care.
7 Develop cooperative and collaborative rela tionships with clients and other disciplines who are concerned with health, health care is sues, and qua ity of life.
8 Participate in identifying and evaluating cur rent and needed health care services and poli cies
9. Continue professional development in re sponse to trends and issues in health care, changing nursing roles, and the impact of these and other health care issues on the client.

The baccalaureate program in Nursing includes 64 hours in nursing, 64 hours in other prescribed courses and three hours free electives for a total of 131 hours for graduation The prescribed courses include the 35 semester hours of General Studies required by the university pages 50–80 for graduation as well as course work that is either pre or corequisite to nursing courses

Degree Requirements

	Semester Hours
English Proficiency	
ENG 101 (3 and 102 3)	6
or ENG 105 (3	
Students who complete ENG 105 3) have satisfied the English proficiency requ re ment and do not have to take any additional English composition credits	
Humanities and Fine Arts or Social and Behavioral Sciences Elective	3
Se ect one upper division three hour course from the ASL General Studies program list in humanities and f ne arts or social and behav ioral science courses	
Social and Behavioral Sciences*	15
PGS 100 3 , PGS 341 (3 or CDE 232 (3 , SOC 101 3 or 301 3), SOC 415 3) or FAS 331 3 Select one additional three hour course which has cultural awareness as its ba sic content.	
Natural Science Sequence*	25 26
Select one of the following sequences:	
BIO 181 4 , 182 (4 , ZOL 360 (4), or	
BIO 181 4), ZOL 201 4 , 202 4), or	
ZOL 20 4 , 202 (4 , 241 4)	
In addition	
CHM 231 4), 261 (3 , FON 241 (3 , MIC 205 (3 , 206 1	

* Appropriate selection of courses will fulfill College of Nursing degree requirements and university Gen era Studies requ rements concurrently

Nursing Core Courses

				Semester Hour
**	NUR	119	Introduction to Nursing and Health	3
*	NUR	204	Pharmacological Therapeutics for Nursing	3
**	NUR	211	Nurse Client Relationships	3
**	NUR	213	Basic Cl nica Skills	2
**	NUR	214	Health Assessment n Nursing Practice	3
***	NUR	223	Nursing Process and Hosp talized Adult . . .	6
*	NUR	308	Pathophysiology	3
***	NUR	327	Comprehensive Nursing Care of Chi dren . . .	4
***	NUR	328	Childbearing and Women's Health Care . . .	4
***	NUR	329	Psychiatric/Mental Health Nursing	6
***	NUR	330	Care of A ute and Chronically I Adult	4
*	NUR	403	Research in Nursing Practice ..	3
*	NUR	406	Leadership and Management in Nursing	2

*	NUR	407	Contemporary Issues in Nursing and Health	2
**	NUR	411	Gerontological Nursing	3
*	NUR	427	Community Health Nursing	3
***	NUR	428	Management of Clients in Health Care Settings	4
***	NUR	429	Community Health Nursing Clinical	4
***	NUR	430	Home Health Care	2
	Total			64

* Nursing theory only
** Nursing theory and laboratory/observation
*** Nursing theory and clinical experience

General Studies Requirements

Semester Hours

Literacy and Critical Inquiry Core 6
One three-hour course from ASU General Studies intermediate literacy requirement; NUR 403 (3), fulfills the advanced literacy and critical inquiry requirement.

Numeracy Core 6
MAT 117 (3) and select one three-hour course from ASU General Studies numeracy requirement in the statistics category.

Humanities and Fine Arts Core 6
Select two three-hour courses from the ASU General Studies program requirements. One must be an upper-division course.

Social and Behavioral Sciences Core* 9
PGS 100 (3), 341 (3); SOC 101 (3) or 301 (3); or
PGS 100 (3), SOC 101 (3), 301(3) or 415 (3).

Natural Sciences Core* 8
BIO 181 (S1) or CHM 101 (S1); MIC 205 and 206 (S2) or ZOL 201 (S2)

Historical and Global Awareness
If these requirement were not satisfied in humanities and fine arts and social and behavioral sciences, select one course in each area from the ASU General Studies program requirements.

* Appropriate selection of courses will fulfill College of Nursing degree requirements and university General Studies requirements concurrently.

General Studies courses are regularly reviewed. To determine whether a course meets one or more General Studies course credit requirements, see the listing of courses, pages 54–80. General Studies courses are also identified following course descriptions according to the following key:

Key to General Studies Credit Abbreviations

L1	Literacy and Critical Inquiry Core Courses (Intermediate level)
L2	Literacy and Critical Inquiry Core Courses (Upper division)
N1	Numeracy Core Courses (Mathematics)
N2	Numeracy Core Courses (Statistics and Quantitative Reasoning)
N3	Numeracy Core Courses (Computer Applications)
HU	Humanities and Fine Arts Core Courses
SB	Social and Behavioral Science Core Courses
S1	Natural Science Core Courses (Introductory)
S2	Natural Science Core Courses (Additional Courses)
G	Global Awareness Courses
H	Historical Awareness Courses

Graduation Requirements

College requirements for graduation are consistent with those of the university. Candidates for the Bachelor of Science degree in Nursing are required to complete an approved program of study of 131 semester hours, including 53 semester hours of upper-division credit. Immediately prior to graduation all students, except Registered Nurse students, must take an assessment test.

Academic Standards

Academic. Progress into the upper-division nursing courses is contingent on achieving at least a "C" in all required courses and a cumulative grade point average of 2.50. Students who have not achieved a 2.50 GPA will not be allowed into the 300-level nursing courses. In addition, a minimum grade of "C" is required in all upper-division nursing courses.

Probation and disqualification is in accordance with university policies.

Health. Students who appear to lack the degree of physical and mental health necessary to function successfully as a professional nurse may be required to have a health examination and the results made available to the Standards Committee of the College of Nursing. Students whose health, behavior and/or performance have been questioned will be reviewed for continuation in clinical nursing courses by the Standards Committee. The student may appear in person before the committee and personally present information relevant to the committee's review. Additional information may also be presented in writing without

personal appearance. The decision of the committee is final.

Professional. Professional behavior and appearance is required during all clinical nursing course activities. Academic dishonesty is not tolerated in any courses and will be subject to specific College of Nursing policies and procedures.

Grading Policy for Nursing Courses

Within the baccalaureate program, grades are assigned to reflect levels of achievement in relation to course objectives. Students who do not complete a required nursing course satisfactorily, receiving a grade of "D" or "E" (failing) or a mark of "W" (withdrawal), are not eligible to progress in the professional Nursing major. Receiving a grade of "D" or "E" necessitates petitioning the Standards Committee to repeat the course in its entirety. A required nursing course may be repeated only once.

Any petition for curriculum adjustment, course substitution, overload, readmission to a nursing course, or readmission to the professional Nursing major must be approved by the Baccalaureate Standards Committee.

Withdrawal is in accordance with the withdrawal policy of the university. Students who withdraw from required nursing courses must complete the form, Interruption in Curricular Progression. This should be done in conjunction with the appropriate faculty member. In addition, students are responsible for completing the university withdrawal procedure. Two withdrawals from any single nursing course constitute ineligibility to continue in the Nursing major without an approved petition from the Standards Committee.

An *incomplete* in a required nursing course must be satisfactorily removed before progression in the Nursing major is permitted. A grade of "I" is not allowed in clinical practice courses. See page 45 for university policy.

Audits and pass/fail grades are not acceptable for courses in the minimum 131 semester hour requirement for graduation.

Student Responsibilities

Student Transportation. Students are responsible for their own transportation to and from health agencies and other selected experience settings, such as home visits to clients.

Comprehensive Assessment Tests. All students who will take the professional licensing examination (NCLEX State Board Exam) are required to take a comprehensive assessment test prior to graduation. Arrangements for taking the test and payment of fees must be made during the student's final semester.

Laboratory Fees. In several nursing laboratory and clinical courses, students are provided an opportunity to practice and perfect nursing skills prior to contact with patients or clients. These courses require a heavy volume and usage of disposable equipment. Accordingly, students are assessed a fee for the following courses: NUR 119, 213, 214, 330, 426, 427.

Special Programs

Continuing Education Program. This program presents a variety of noncredit offerings on the main ASU campus, ASU West Campus, and at off campus locations. These offerings are designed to assist practicing professional nurses to maintain and enhance their competencies, to broaden their scientific knowledge base, and to further develop their skills in the changing health care environment. Programs are organized in response to both the nursing care needs of the population and the learning needs of nurses engaged in a variety of professional roles and clinical specialties. Workshops, conferences, institutes, short evening courses, and special programs are offered at times convenient to the working professional. Some offerings are multidisciplinary and are open to other than Registered Nurses.

In addition, to meet continuing education needs and interests, Registered Nurses may also choose to enroll as unclassified students in selected nursing credit courses offered by the College of Nursing. Registered Nurses who want more information about the degree programs or the courses that may be taken by unclassified students should contact the Nursing Student Services Office (602 965 2987).

For descriptions of current continuing education offerings, please contact the Continuing Education Program, College of Nursing 602 965 7431).

Offerings from all programs are available on the main ASU campus and ASU West Campus.

Program for Health and Nursing Research Office of Research. The College of Nursing Program for Health and Nursing Research Office of Research supports the conduct and development of research in all phases of nursing with a special emphasis on clinical nursing problems, health promotion, illness prevention, and the impact of health technology on the quality and cost of health care. Program efforts are directed to

ward strengthening the research productivity of faculty, students, and nurse researchers in clinical settings. The college strives to develop research excellence in an effort to form a research base for improving health care through the contributions of nursing theory, clinical nursing practice, and the biomedical, behavioral and social sciences.

ROTC Students. Students pursuing a commission through either the Air Force or Army ROTC program will be required to take from 12 to 20 hours in the Department of Military Science. To preclude excessive course overloads, these students should plan on an additional semester and/or summer school to complete degree requirements. ROTC students must meet all of the degree requirements of the college.

ASU West Campus. The College of Nursing offers courses of the baccalaureate and master's programs on the West Campus.

General Information

Student Services. The Student Services Office in the College of Nursing provides academic advisement, general advisement, and referral to university resources. The staff of the Student Services Office is available to help students with a variety of concerns related to academic or personal issues. Prospective students wanting more information on College of Nursing programs or wanting to schedule an advisement appointment should contact the College of Nursing Student Services Office at 602/965-2987.

Scholarship and Financial Aid. For information regarding scholarships and loans, see page 24 of this *Catalog*. Information about scholarship and loan funds for Nursing students may be obtained from the University Financial Aid Office, College of Nursing Student Services Office or the associate dean for Academic Programs.

Student Activities. All ASU students are members of the Associated Students of ASU (ASASU) and participate in those campus activities which are of interest to them. The ASASU is the student government for the university. Associated Students has a strong presence at the university in a variety of ways. It is the official representative of the student body in matters of governance and budgeting.

Nursing College Council. The council is a member of ASASU and serves as the governing body of all student activities in the college. The council consists of the officers of the Baccalaureate Student Nurse Organization, Graduate Nurse Organization, and Student Nurses' Association. Nursing College Council provides for communication, cooperation, and understanding among undergraduate students, graduate students and faculty as well as representing the college in university and nonuniversity affairs.

Graduate Nurse Organization. The Graduate Nurse Organization (GNO) is the coordinating body for Nursing students in the graduate program. It provides programs, information, and orientation services for graduate students and complements their academic experiences.

Baccalaureate Student Nurse Organization. The Baccalaureate Student Nurse Organization (BSNO) is the coordinating body for Nursing students in the baccalaureate program. It is responsible for providing information to faculty and students on student affairs and for coordinating student-faculty affairs. All Nursing students are members of this organization.

Student Nurses' Association. SNA is a professional nurse organization. By being a member of SNA the student belongs to the National Student Nurses' Association which is the student counterpart of the American Nurses Association for Registered Nurses. NSNA provides means for financial assistance, career planning, a voice in Washington, an opportunity for involvement, and low cost comprehensive malpractice insurance.

Sigma Theta Tau. Beta Upsilon chapter of Sigma Theta Tau was chartered at Arizona State University College of Nursing in 1976. Membership in Sigma Theta Tau is an honor conferred on students in baccalaureate and graduate programs who have demonstrated outstanding academic and professional achievement.

Learning Resources. In addition to learning resources provided by the university which includes a large number of nursing and science texts, references, and journals, the College of Nursing has a Learning Resources Center. This center contains a well-supplied nursing laboratory, as well as audiovisual media, and a variety of computers and software related to nursing and health care.

Clinical Facilities. Learning experiences with patients/clients and families are provided under the supervision of qualified faculty with the cooperation of a variety of federal, state, county, private health, and other agencies. The College of Nursing has contracts with more than 100 different agencies in the Phoenix metropolitan area and also operates its own unique nurse-managed clinic in a community setting. Thus a variety of

clinical laboratory facilities are available to students in this significant component of the programs. Whenever possible, students have a choice of clinical sites but are not guaranteed their choice of clinical agency or instructor.

Nursing

PROFESSORS:
KRUEGER (NURS 457 BRANSTETTER LUDEMANN, MUHLENKAMP MURPHY, TAYLOR, ZORNOW

ASSOCIATE PROFESSORS:
BRUNER, ELL SON FELLER, GRONSETH KENNEY KNUDSEN, KOMNENICH, M LLER, NORTH, ROBERTS THEOBALD

ASSISTANT PROFESSORS:
BAGWELL BELL DeS LVA FARGOTSTEIN, F NCH, GARRITY, HULL KATZMAN KELLER KILLEEN LUDLOW, MELVIN, MOORE, OLSON PERRY, PR MAS, R CHARDS SEHESTED SHERIDAN, TOB ASON, WILLIAMS, WURZELL

INSTRUCTORS:
BECK, COHEN, ENTZ, FLYNN KNUTESEN P CKENS, THORNE

PROFESSORS EMERITI:
BARDEWYCK JOHNSON, SQU RES, STEFFL STUMPF

NURSING

NUR 119 Introduction to Nursing and Health. 3 F, S
Bas c nurs ng ph losophy process and sk s c ud ng hea th promot on content as re ated to nurs ng pract ce. 2¹ ₂ hours ecture 1 hours ab

204 Pharmacological Therapeutics for Nursing. 3 F S
Drug c ass f cat ons and prototypes Psychophys o og c pr nc p es of drug act on Know edge bas c to safe adm n strat on n nurs ng pract ce Prerequ s tes· M C 205 or 206 NUR 119 ZOL 202 or equ va ent

211 Nurse Client Relationsh ps. 3 F S
Focus on the therapeut c re at onsh p and ts app cat on to nurs ng Concepts of anx ety oss and gr ef w be empha s zed. 2 hours lecture 3 hours ab Prerequ s tes· ENG 102 NUR 119 PGS 100 SOC 101 or 301

213 Basic Clinical Skills. 2 F S
Sc entif c pr nc p es nurs ng concepts and se ected psy chomotor sk s for c n ca nurs ng pract ce 1 hour lecture 3 hours ab Prerequ s tes. M C 205 or 206 NUR 119· ZOL 202 or equ va ent.

214 Health Assessment in Nursing Practice. 3 F, S
Introductory know edge and sk s for systemat c phys ca psychosoc a nutrit ona and deve opmenta nurs ng as sessments for c ents over fe span 2 hours lecture, 3 hours ab. Prerequis tes FON 241 ZOL 202 or equ va *ent*

223 Nursing Process and Hospitalized Adult. 6 F S
Theor es, concepts, and pract ce n app cat o of the nurs ng process n care for the hosp ta zed adu t w th se ected med ca surg ca prob ems 3 hours ecture 9 hours ab Prerequ s tes NUR 211 ZOL 202 or equ va ent Pre or corequ s tes NUR 204 213 214

306 Professional Development for Registered Nurse Students: Process, Roles and Function. 4 F S
Ph osoph ca and theoret ca bases for profess ona nurs ing pract ce Nurs ng process for dec s on mak ng Profes s ona ssues va ues and norms

308 Pathophysiology. 3 F, S
Foc ses on concepts exp cat ng a terat ons n hea th states A psychophys o og cal v ewpo nt prov de the un fy ng framework Prerequ s tes CHM 261 ZOL 202 or 360

314 Health Assessment for RN s. 3 F S
ntroductory know edge and sk s for systemat c phys ca psychosoc a , and deve opmenta nurs ng assessment over the fe span For Reg ste ed Nurses on y 2 hours ecture 3 hours ab

327 Comprehensive Nursing Care of Children. 4 F, S
Nurs ng concepts and pract ce n car ng for we and hos p ta zed ch dren n a var ety of c n ca sett ngs 2 hours ecture 6 hours ab Prerequ s tes CDE 232 or PGS 341 NUR 223 Pre or corequ s te FAS 331 or SOC 415

328 Childbearing Family and Women's Health Care. 4 F S
Nurs ng con epts and pract ce n the reproduct ve and per nata per ods. nc udes the mpact on fam y members and the r re at onsh ps 2 hours ecture 6 hours ab Pre requ s te NUR 223 Pre or corequ s te FAS 331 or SOC 415

329 Psychiatric Mental Health Nursing. 6 F S
Gu ded nurs ng exper ences w th nd v dua s and groups based on theory and research 3 hours ecture 9 hours ab Prerequ s tes *CDE 223* or *PGS 341 NUR 223* Core qu s te FAS 331 or SOC 415

330 Care of Acute and Chronically Ill Adults. 4 F S
Nurs ng concepts and pract ce n car ng for hosp ta zed adu ts w th comp ex acute and chron c med ca surg ca prob ems Theoret ca bases and re ated nurs ng manage ment 1 ₂ hours ecture 7¹ ₂ hours ab. Prerequ s tes NUR 308, 327 328 329 one may be concurrent

403 Research in Nurs'ng Practice. 3 F S
Components of the research process S gn f cance of re search to the mprovement of nurs ng pract ce and deve opment of the profess on. Prerequ sites MAT 117, NUR 223 three hours stat st cs *[Sat sf es General Stud es Re qu rement L2]*

406 Leadership and Management in Nursing. 2 F, S
Se ected theoret ca frameworks for organ zat on, man agement and eadersh p n nurs ng Prerequ s te: NUR 403 or RN

407 Contemporary Issues in Nursing and Health. 2 F S
Se ected contemporary ssues nf uenc ng nurs ng and the hea th care system Prerequ s te· NUR 403

411 Gerontological Nursing. 3 F, S
Provides perspective of b opsychosoc a gerontolog ca content appl cab e to nurs ng pract ce and research 2 hours ecture 3 hours ab Prerequ s tes FON 141 NUR 330

427 Community Health Nursing. (3) F, S
Introduction to public health theory and principles of community health nursing practice. Prerequisite: NUR 330 or instructor approval.

428 Management of Clients in Health Care Settings. (4) F, S
Application of principles of nursing management and leadership in health care settings. 1 hour lecture, 9 hours lab. Pre- or corequisites: NUR 330, 406, 407.

429 Community Health Nursing Clinical. (4) F, S
Clinical experience in community health nursing roles and leadership strategies in a variety of settings. 12 hours lab and conference. Pre- or corequisite: NUR 427.

430 Home Health Care. (2) F, S
Issues, trends and practice in the development and delivery of home health care. 1 hour lecture, 3 hours lab. Pre- or corequisites: NUR 427, 429; or instructor approval.

431 Introduction to Cardiovascular Nursing. (3) F, S
Selected aspects of cardiovascular nursing. Diagnostic evaluation, history and physical assessment, medical and surgical interventions, preventive and rehabilitative management. Prerequisite: NUR 223 or instructor approval.

432 Cardiovascular Nursing Laboratory. (1) F, S
Experiences to accompany NUR 431. Observation, direct care, decision making and planning for clients in various stages of cardiac disease. 3 hours lab. Prerequisite: NUR 223 or instructor approval. Corequisite: NUR 431.

433 Abnormal Stress in the Maternity Cycle. (2–3) F, S
Clinical nursing in high risk obstetrics. Abnormal stresses for pregnant women, effects in newborns and appropriate nursing interventions. 2 hours lecture; 3 hours lab optional. Prerequisite: NUR 328 or instructor approval.

434 Cultural Variations of Health and Illness. (2–3) F, S
Health-illness beliefs, behaviors and interventions in selected ethnic cultures. Integrating scientific and folk medicine in nursing practice. 2 hours lecture; 3 hours lab optional. Prerequisite: instructor approval.

435 Nursing of Children with Developmental Disabilities. (2–3) F, S
Congenital and acquired physical and mental developmental disorders. Evaluation of child and family. Clinical nursing in pediatric community settings. 2 hours lecture; 3 hours lab optional. Prerequisite: NUR 327 or instructor approval.

438 Aging and Mental Health. (3) S
Explores and assesses psychosocial and mental health aspects of aging, geropsychiatric theory and gerontological research applicable to practice. Prerequisite: 12 hours in nursing major and/or instructor approval.

439 Aging and Mental Health Practicum. (1) S
Optional clinical practicum for students enrolled in NUR 438. 3 hours per week.

440 Introduction to Computer Applications in Health Care. (3) F, S, SS
Emphasis on applications which impact most directly on nurses in staff positions. Prerequisite: senior standing in Nursing major or instructor approval.

441 School Nursing Practice. (3) S
Role of the professional nurse in planning, implementation and evaluation of the school health program.

442 Sexuality in Illness and Disability. (3) F, SS
Consideration of illnesses, injuries and treatments that have implications for sexual function of patients and clients.

457 Third-World Women. (3) F
Economic, sociopolitical and demographic context for understanding the roles of third-world women in health, family, work, education and community. Prerequisite: 6 hours of social science credit or instructor approval. Cross-listed as FAS 494; SPF 457; WST 457. *[Satisfies General Studies Requirements: SB, G]*

494 Special Topics. (1–4) F, S, SS
Advanced study and/or supervised practice in an area of nursing. Lecture and lab to be arranged. Prerequisite: 12 hours in Nursing major or instructor approval.

500 Research Methods. (3) F, S
Research methods including research conceptualization and design in nursing. Pre- or corequisite: graduate-level inferential statistics course.

501 Perspectives of Adult Health Nursing. (2) F, S
Provides students with an overview of theories, concepts and research relevant to the nursing care of adults.

502 Adult Health Nursing: Theory I—Health Restoration. (2) F
Evaluates theories, models, concepts and research applicable to the care of adults requiring nursing intervention for restoration of health. Corequisite: practicum.

503 Adult Health Nursing: Theory II—Health Promotion. (2) S
Evaluates theories, models, concepts and research applicable to the care of adults requiring nursing interventions for promotion/maintenance of health. Corequisite: practicum.

504 Critical Care of the Adult: Theory I. (2) F
Theoretical knowledge essential to the care of critically ill adults. Behavioral and physiological concepts are addressed. Pre- or corequisite: NUR 582. Corequisite: practicum.

505 Critical Care of the Adult: Theory II. (2) S
Theoretical knowledge essential to the care of critically ill adults. Multiple organ system dysfunctions are addressed. Prerequisite: NUR 504. Corequisite: practicum.

506 Neuroscience Nursing Theory. (2) S
Theoretical basis for assessment and management of disorders of the nervous system. Prerequisite: instructor approval. Corequisites: NUR 507, 584; practicum.

507 Therapeutics of Neurological Dysfunction. (2) S
Diagnostic and therapeutic regimens of care for patients with neurological dysfunction. Prerequisite: instructor approval. Corequisites: NUR 506, 584.

511 Public Health and Community Health Nursing Perspectives. (2) F, S
Analysis of contemporary public health and community health nursing issues, research and conceptual/theoretical foundations.

512 Community Health Nursing: Theory I. (2) F
Analysis of theories/research approaches for the study of community health nursing, community health program development and family health care. Corequisite: practicum.

513 Community Health Nursing: Theory II. (2) S
Analyze issues, theories and research relevant to community health nursing leadership, program planning/evaluation and management of health care systems. Prerequisite: NUR 512. Corequisite: practicum.

521 Community Mental Health/Psychiatric Nursing Perspectives. (2) F, S
Comparison of nursing theories with psychiatric/psychological theories. Applies to practice in mental health/psychiatric settings and provides basis for multiple roles.

522 Community Mental Health Psychiatric Nursing: Theory I. (2 F
Ana ys s of ssues, theor es and research n restorat on and promot on of menta health Emphas zes developing conceptua framework for psych atric nurs ng Corequ s te pract cum

523 Community Mental Health Psychiatric Nursing: Theory II. 2) S
Th s course ass sts the student to cr t ca y ana yze ssues theor es and research re evant to commun ty menta hea th nurs ng Prerequ s te· NUR 522 Corequ s te prac t cum

531 Perspectives of Parent-Child Nursing. 2 F S
Overv ew of concepts, theor es and research re evant to ch dbear ng fam es and ch dren

532 Nursing of Children: Theory I. (2 F
Ana ys s of concepts theor es and research re ated to nurs ng care of we chi dren Focuses on hea th, c ent and env ronment Corequ s te. pract cum

533 Nursing of Children with Special Needs: Theory II. 2 S
Ana ys s of concepts theor es and research re ated to nurs ng care of ch dren w th spec a prob ems or at r sk. Prerequ s te: NUR 532 Corequ s te: pract cum

534 The Childbearing Family: Theory I. 2 F
Ana ys s of concepts theor es and research re ated to nurs ng care of ch dbear ng fami es Focuses on hea th c ent and env ronment Corequ s te pract cum

535 Childbearing Family with Special Needs: Theory II. 2) S
Ana ys s of concepts theor es and research re ated to nurs ng care of ch ldbear ng fam es w th spec a needs and h gh r sk Prerequ s te NUR 534 Corequ s te prac t cum

551 Theory Development. 3) F S
Purpose s to prov de the student w th opportun t es to ana yze eva uate and deve op concepts re evant to nurs ng

552 Contemporary Issues: Health Care and Nursing. 3 F, S
Ana ys s of hea th po cy, econom cs and program p an n ng for nurs ng hea th profess ona s Emphas zes polit ca soc ocultura and demograph c factors

562 Health Promotion. 2) F
First d dact c nurse c n c an course Focuses on hea th care concepts and strateg es to promote and ma nta n hea th of the ch d adu t and fam ly Prerequ s te: nstruc tor approva Corequ s te. pract cum

563 Health Management. 2 S
Second d dact c nurse cl n c an course Ana ys s of com mon se f m ting hea th prob ems w th ntegrat on of hea th assessment for c n ca dec s on mak ng Prerequ s te n structor approva Corequ s te pract cum

568 Nursing Leadership Perspectives. (2 F
Cr t ca ana ys s of h stor ca contemporary and futur st c project ons of concepts theor es sty es and issues n nurs ng eadersh p ro es

571 Teaching in Nursing Programs. 2 S
Ana ys s of theor es ssues and research re ated to teach ng n nurs ng Focuses on the process of teach ng learn ng

576 Computer Applications in Health Care. 3) F, S
Ana ysis of current and deve op ng computer app cat ons n health care Emphas s on nurs ng appl cat ons n ad m n strat on, educat on and pract ce. Prerequ s tes NUR 440 or equ va ent graduate stand ng n Nurs ng or re ated f e d

578 Gestalt Therapy I. 3) F S
An ntroduct on to theory and methodo ogy of Gesta t ther apy ts uses for menta hea th promot on and restorat on.

579 Gestalt Therapy II. 3 F S
Focus s on further deve opment of Gesta t therapy and ts appl cat on n work ng w th various c ient popu at ons Pre requ s te: NUR 578

580 Practicum (Electives). 1–4 N
Cl n ca app cat on of theor es concepts and princ p es such as hea th promot on, hea th management hea th ma ntenance, teach ng, management and spec a c nical stud es

580 Advanced Nursing Practicum I, II. (2–6 F, S
C n ca app cat on of theor es concepts and pr nc p es. Conferences included Tracks with n the areas of concen trat on inc ude
(1) Adu t Hea th Nurs ng
(2 Cr t ca Care Nurs ng
3) Neurosc ence Nurs ng
4 Commun ty Health Nurs ng
5 Commun ty Menta Hea th Psych atr c Nurs ng
6 Nurs ng of Ch ldren
7 Ch dbear ng Fam y
Prerequ s tes adm ss on to the graduate program nstruc tor approva

581 Family Systems Theory in Health Care. 3 F S
Cnt ca ana ys s of ssues and research re evant to fam y systems theory Emphas's on re at onsh p between theory and pract ce

582 Advanced Human Physiology. 3) F
Ana yzes major theory and concepts of human phys o ogy Interre at onsh p of physio ogy and hea th s exp ored.

583 Pathophysiology. 3) S
Manifestat on of a tered human phys o ogy and d sease Systems theory s used to analyze the re at onsh ps of d s ease and phys ology

584 Human Neuroanatomy, Physiology, Pathophysiology. 3) S
Norma neuroanatomy neurophys ology nc ud ng embryo ogy. Pathophys olog ca bas s of nervous system dysfunc t on Prerequ s te nstructor approva Corequis tes NUR 506 507

585 Stress Reduction. 3 F
Theory appl cat on and evaluat on of m nd/body re axat on methods nc ud ng phys o og ca effects Research f nd ngs emphas zed Da y student pract ce Prerequ site· gradu ate stand ng or nstructor approva

588 Qualitative Methods in Nursing Research. (2 SS
Prov des an ntroduct on to the use of qua tat ve ap proaches d scovery procedures ana ys s nterpretat on of data and contribut on to theory bu d ng

591 Seminar. (2–4 N
Advanced top cs nc ud ng curr cu um deve opment hea th promot on etc Prerequ s te nstructor approva in se ected courses

598 Special Topics. 2–4) N
Spec al study nc ud ng ssues n hea th care and organ zat ons, management n nurs ng, eth ca issues va ues, etc Prerequ s te. nstructor approva n se ected courses

599 Thesis. 1–6) F S SS
Research proposa deve opment data co ection and ana ys s, thes s writ ng and thes s ora defense S x hours requ red

The following courses, described in the 1985–87 ASU Catalog, will be offered through the semesters noted below. These courses are open only to Nursing students eligible to graduate under the requirements of the 1985–87 or earlier Catalog. Students wishing to register for one or more of these courses listed below should refer to the 1985–87 ASU Catalog to identify prerequisites to these courses and must receive approval from the College of Nursing.

Fall 1989:

305 Development of Professional Nursing. (2) F, S

327 Care of the Well and Hospitalized Child. (3) F, S

328 Parent-Infant Nursing. (3) F, S

329 Mental Health Nursing. (5) F, S

Spring 1990:

403 Nursing Research. (2) F, S

426 Care of the Hospitalized Adult II. (4) F, S

427 Community Health Nursing. (4) F, S

Fall 1990:

429 Community Nursing of Populations at Risk. (4) F, S

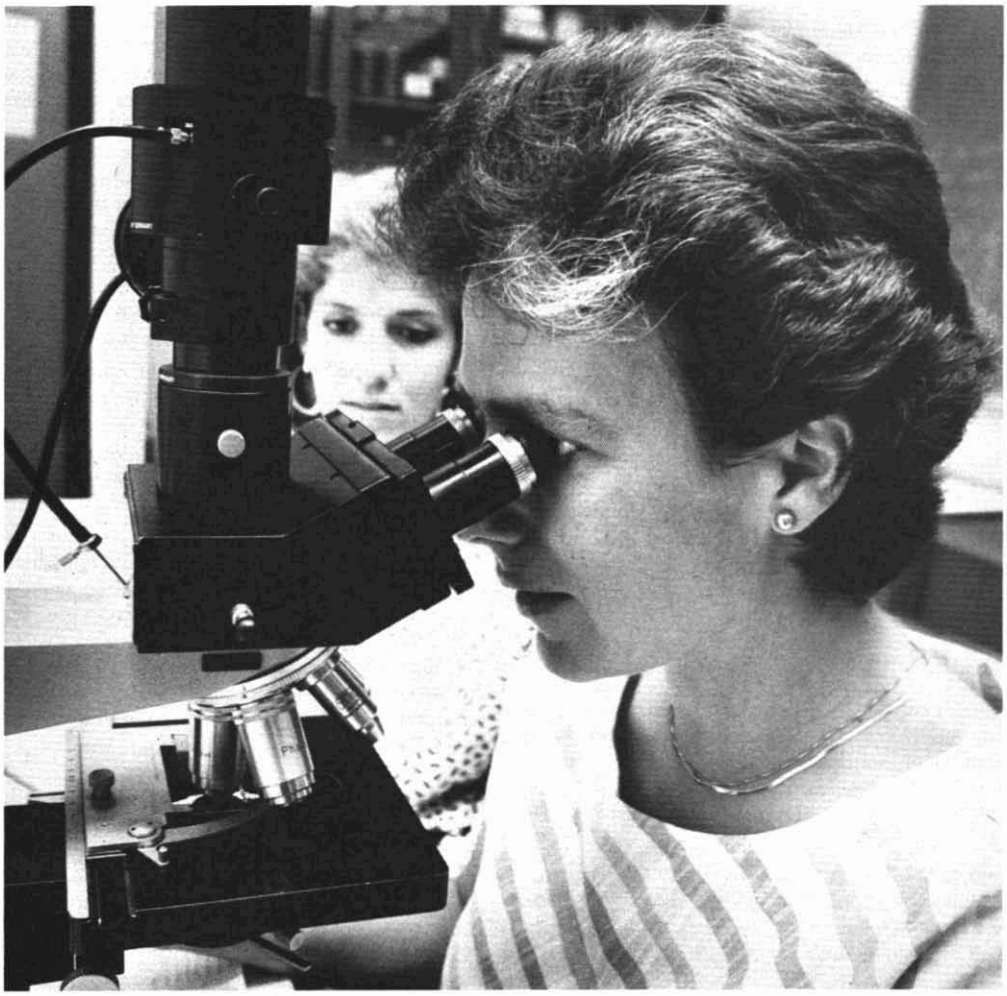
Special Courses: NUR 580, 590, 591, 592, 598, 691. (See pages 43–44.)

HUMAN DEVELOPMENT

HDE 395 Overview of Aging. (3) F
Multidisciplinary introduction to gerontology. Explores the characteristics, experiences, problems and needs of older persons. Cross-listed as SOC 348. *[Satisfies General Studies Requirement: SB]*

586 Origins of Human Behavior. (3) F
Critical examination of theories, issues and research to the developmental period of infancy through adolescence. Prerequisite: course in child development or equivalent.

588 Development in Adulthood and Aging. (3) S
Critical examination of theories and research of adulthood and aging.



College of Public Programs

Purpose

The College of Public Programs offers a wide range of undergraduate and graduate course work, both on and off-campus, to full time students and as part of continuing education. Each academic unit of the college not only assumes responsibilities in preparing its own majors, but, in addition, the units provide a variety of service courses for the rest of the university The college is committed to providing excellence in teaching, research, and public service Consequently, the units work closely with numerous public, quasi public and private agencies at the national, regional, state, and local levels.

Organization

The College of Public Programs is composed of five academic units: the Department of Communication, the Walter Cronkite School of Journalism and Telecommunication, the School of Justice Studies, the Department of Leisure Studies, and the School of Public Affairs. Each academic unit is administered by a chair or director.

The general administration of the college is the responsibility of the dean, who is responsible to the university president through the provost.

Admission

Freshmen. Any incoming freshman (0–24 semester hours) who meets the minimum university admission requirements as detailed on pages 28 34 will be admitted to any chosen undergraduate academic unit of the college as a *premajor* in that respective academic unit

Major Status Admission. Entry to any undergraduate academic unit of the college with status as a major requires the completion of at least 56 semester hours with a minimum cumulative grade point average of 2 50, plus whatever additional requirements the respective school department may impose. When a student has completed course work at Arizona State University, the grade point average is computed on Arizona State University courses only, and must be based on a *minimum* of nine (9) semester hours of courses with grade options of "A," "B," "C," "D" or "E."

Most upper division courses in the college are not open to premajors. Premajors should check the *Catalog* information in their major field to determine any course enrollment restrictions.

Students should refer to the information section of the *Catalog* with reference to their preferred area of study for retention requirements and/or continued enrollment in their major courses.

Transfer Students. Any person applying for admission or transfer to an academic unit of the college will be admitted as a major of that unit if the student has met the specific requirements as listed in the information section for the respective department/school.

Transfer Credit. In most cases, course work successfully completed at a regionally accredited four year institution of higher education will be accepted into the College of Public Programs' respective academic unit.

Course work successfully completed at an accredited two year institution of higher education (community or junior college) will transfer as lower division credit up to a maximum of 64 semester hours.

Successful completion is defined for purpose of transfer as having received a grade comparable to an "A," "B" or "C" at ASU The acceptance of credits will be determined by the director of Admissions and the utilization of credits toward degree requirements will be at the discretion of the individual academic unit.

Advisement

A student who has been admitted to the College of Public Programs will be assigned an academic advisor from the faculty of the academic unit that the student has selected as his/her major area of study. Questions on advisement should be directed to the student's academic advisor or to the Student Services Office of the College of Public Programs.

Course Load. A normal course load per semester is 15–16 semester hours. The maximum number of hours for which a student can register is 18 semester hours unless an overload petition has been filed and approved by the Department/School Standards Committee and the Undergraduate Standards Committee of the College.

Overload petitions are not ordinarily granted to students who have a cumulative grade point average of less than 3.00 and do not state valid reasons for the need to register for the credits. Students who register for semester hours in excess of 18 and do not have an approved overload petition on file will have courses randomly removed through an "administrative drop" action.

Degrees

Baccalaureate Degrees

The College of Public Programs offers academic instruction in four areas. Successful completion of a four-year program of 126 semester hours as specified by the respective academic unit leads to the following bachelor's degrees:

Communication:

Bachelor of Arts (B.A.)
Bachelor of Science (B.S.)

Justice Studies:

Bachelor of Science (B.S.)

Journalism and Telecommunication:

Bachelor of Arts (Journalism) (B.A.)
Bachelor of Arts (Broadcasting) (B.A.)
Bachelor of Science (Journalism) (B.S.)
Bachelor of Science (Broadcasting) (B.S.)

The Bachelor of Science (B.S.) program is under review by the faculty and is not available for students entering under this *Catalog*.

Leisure Studies:

Bachelor of Science (Recreation) (B.S.)

Specific degree requirements are explained in detail under the respective school or department program information section.

Graduate Degrees

Master's degree programs are offered by five academic units of the College of Public Programs. Specific requirements, as listed under the respective school or department section, lead to the following graduate degrees:

Communication:

Master of Arts (M.A.)
Doctor of Philosophy (Ph.D.)

Justice Studies:

Master of Science (M.S.)
Concurrent M.A. Anthropology/M.S. Justice Studies
Doctor of Philosophy (Ph.D.)

Journalism and Telecommunication:

Master of Mass Communication (M.M.C.)

Leisure Studies:

Master of Science (Recreation) (M.S.)

Public Affairs:

Master of Public Administration (M.P.A.)

College of Public Programs:

Doctor of Public Administration (D.P.A.)

The D.P.A. degree program is interdisciplinary in nature and is offered by faculty from various colleges. The program is administered by an executive committee appointed by and responsible to the dean of the Graduate College. The purpose of the program is to prepare skilled professional public administrators for high-level positions in the public sector.

Doctor of Philosophy in Justice Studies

A Ph.D. degree program in Justice Studies reflects a law and society perspective and integrates philosophical, legal, and ethical approaches with social science and policy science methodologies. This program is interdisciplinary in nature and participating faculty are appointed by the dean of the Graduate College to serve as members of the Arizona State University Committee on Law and Social Sciences. Students may develop an individualized area of substantive specialization through consultation with their program committee and/or choose from the areas of concentration identified with the program. The areas of concentration are: criminal and juvenile justice; dispute resolution; law, policy and evaluation; law, justice and minority populations; women, law and justice.

Information on all graduate degree programs in the College of Public Programs is detailed in the *Graduate Catalog*

Degree Requirements

English Proficiency

Students must demonstrate reasonable proficiency in written English by achieving a grade of "C" or better in both ENG 101 and ENG 102, or in ENG 105 or its equivalent Should a student receive a grade lower than 'C" in any of the courses, it must be repeated until specified proficiency is demonstrated. Transfer students from colleges outside Arizona should consult the college Student Services Office in Wilson Hall to assure completion of this requirement.

Writing Competence Requirement

In addition to English 101 and 102, or their equivalent, one of the following courses in written composition is required of all undergraduate majors. ENG 200, 301; GNB 233, or JRN 201 This course may be counted as fulfilling the university literacy and critical inquiry requirement if it is on the university approved list.

Communication Requirement

One of the following courses is required for all undergraduate majors: COM 100, 225, 230, 241, or 259. It may be included within the university General Studies requirements, the College of Public Programs requirements, or department/school degree program where appropriate

Computer Science Requirement

One of the following courses is required for all undergraduate majors: CSC 180, 181, or 183 It may be included within the General Studies distributional requirement or department/school degree program where appropriate.

Foreign Language Requirement

The School of Journalism and Telecommunication is the only academic unit of the college that has a foreign language requirement in order to successfully complete work for the Bachelor of Arts degree in either Journalism or Broadcasting Refer to the degree requirement section of the School of Journalism and Telecommunication for detailed information.

Pass/Fail Option

Students enrolled in the College of Public Programs will not receive credit for any pass/fail courses taken at Arizona State University.

Students who have completed pass/fail courses prior to admission in the college or at another institution must petition their acceptance through the College Standards Committee

The College of Public Programs does not offer any courses for pass fail credit

Limitation on Physical Education Activity Hours

No more than eight hours of physical education activity courses may be counted within the minimum 126 hours required for graduation.

College Course Requirements

In addition to the university General Studies requirements, the College of Public Programs requires the following:

Humanities and Fine Arts. Zero to three (0–3) semester hours minimum for a total of nine (9) semester hours when combined with university General Studies.

Architecture
Architectural Philosophy and History, APH

Art.
Art History, ARS
Studio Art, ART

Communication.
COM 210, 222, 225, 241, 243, 271, 341, 344, 421, 422, 441, 442, 443, 444

Dance
Dance History, DAH
Dance Performance, DAN

English:
ENG (other than First Year Composition).
Reading courses from community colleges *not* included.

Foreign Languages.
FLA, CHI, FRE, GER, GRK, ITA, JPN, LAT, POR, RUS, SPA

Interdisciplinary Humanities
Humanities, HUM
LIA 171, 172

Music:
General Music Electives, MUS
Music History and Literature, MHL
Music Theory and Composition, MTC
Music Performance, MUP

Philosophy: HPS, PHI

Religious Studies REL

Theatre.
History, Literature and Theory, THE
Theatre Performance and Production, THP

Social and Behavioral Sciences. Nine to twelve (9 12) semester hours minimum for a total of eighteen (18) when combined with university General Studies.

Anthropology (Cultural): ASB

Business
Advertising, ADV
Decision and Information Systems, CIS
Economics, ECN
Finance, FIN
General Business, GNB
Management, MGT
Marketing, MKT
Quantitative Business Analysis, QBA
Transportation, TRA

Communication
All communication courses *other* than listed above under humanities and fine arts requirements.

Design DSC

Engineering
Analysis and Systems, ASE
Industrial and Management Systems Engineering, IEE
Society, Values and Technology, STE

Geography (Cultural) GCU

History: HIS

Journalism and Telecommunication
JRN, MCO, TCM

Justice Studies JUS

Leisure Studies REC

Planning PUP

Political Science POS

Psychology
PGS (includes general introductory courses)

Sociology: SOC

To satisfy the above college course requirements, students may choose from the university General Studies list or supplement from courses listed above

Students may not use courses from their major department school to satisfy the above college course requirements.

General Studies Requirements

All undergraduate students in the College of Public Programs are required to complete the university General Studies requirements in order to be eligible for graduation in any of the undergraduate curricula offered by the college.

General Studies courses are regularly reviewed. To determine whether a course meets one or more General Studies course credit requirements, see the listing of courses, pages 54–80. General Studies courses are also identified following course descriptions according to the following key

Key to General Studies Credit Abbreviations

L1	Literacy and Critical Inquiry Core Courses Intermediate level
L2	Literacy and Critical Inquiry Core Courses (Upper division
N1	Numeracy Core Courses Mathematics)
N2	Numeracy Core Courses Statistics and Quantitative Reasoning
N3	Numeracy Core Courses Computer Applications
HU	Humanities and Fine Arts Core Courses
SB	Social and Behavioral Science Core Courses
S1	Natural Science Core Courses Introductory)
S2	Natural Science Core Courses (Additional Courses)
G	Global Awareness Courses
H	Historical Awareness Courses

Department/School Course Requirements

Students should refer to their respective department/school for additional or more specific requirements.

Graduation Requirements

Graduation requirements for the College of Public Programs include:
1. Department/school course requirements,
2. College degree requirements,
3. University General Studies requirements.

Special Credit Options

Undergraduate Credit for Graduate Courses. In order to enable undergraduate students to enrich their academic development, the Graduate College and the individual academic units of the College of Public Programs will allow qualified students to take graduate level courses for undergraduate credit. In order to qualify for admission to a graduate level course, the student must have senior status (87 or more semester hours successfully completed) and a cumulative grade point average of 3.00 or higher. In addition, permission to enroll must be given prior to registration and must be approved by the instructor of

the course the student's advisor, the department chair school director, and the dean of the college in which the course is offered.

Academic Standards and Retention

Good Standing. Any premajor or major student of the respective academic units of the college will be considered in good standing if the student maintains a cumulative grade point average of 2.00 or higher in all courses taken at Arizona State University.

Probation. Any student who does not maintain good standing status as described above may be placed on probation. A student on academic probation is required to observe any limitations or rules the college may impose as a condition for retention.

Disqualification, Reinstatement and Appeals. The terms of disqualification, reinstatement, and appeals are identical with those of the university as set forth on page 49 of this *Catalog*

All academic discipline action is the function of the Student Services Office, Wilson Hall, Room 232, under the direction of the dean of the college. Students who are having academic problems should contact this office for advisement

Special Programs

Honors Program

The College of Public Programs provides an Honors Program for undergraduates of exceptional ability. This program includes special courses taught by outstanding faculty and limited in class size, special advisement, preferential preregistration, and the preparation of a senior honors thesis.

Admission to the Honors Program. Entering freshmen in the top 5% of their high school graduating class and those who have a 27 or higher ACT composite score or a 1250 or higher SAT combined score are eligible to apply for admission to the program. Continuing and transfer students who have completed between 15 and 60 hours with at least a 3.25 GPA also may apply for admission to the program. However, only ASU course work is used to determine the GPA for honors retention and graduation.

Accelerated Degree Programs

Selected academic units within the College of Public Programs provide inter and intradisciplinary programs leading to the completion of the baccalaureate degree and the master's degree within a five year period. These are not new degree programs, but rather than articulation of required course work which will allow the student with exceptional ability to obtain both the undergraduate and graduate degree in a shorter than normal time frame. Completion of the master's degree should require two semesters and intermediate summer course work beyond the baccalaureate degree

Admission Requirements. To be successful in this program, students must have graduated from a recognized high school and achieved one of the following: (1) graduated in the upper 5% of their high school graduating class, (2) attained an ACT composite score of 27 or higher, (3) a combined SAT score of 1250 or higher.

In addition, students are required to maintain a minimum cumulative grade point average of 3.25 in order to continue participation in an accelerated degree program option.

Students wishing to enter this program but not possessing the above requirements may choose to enter the program late during their undergraduate studies. Such students must have achieved and maintained a minimum grade point average of 3.40 at Arizona State University. These students must also recognize that they may require longer than the expected five years to complete both degrees.

Program Options. *Interdisciplinary* accelerated degree program options include but are not limited to.

- Bachelor's degree in Communication Master of Mass Communication
- Bachelor's degree in Communication Master of Public Administration
- Bachelor's degree in Journalism/Telecommunication Master of Arts in Communication
- Bachelor's degree in Journalism/Telecommunication Master of Science in Justice Studies
- Bachelor's degree in Journalism/Telecommunication Master of Public Administration
- Bachelor's degree in Justice Studies Master of Public Administration
- Bachelor's degree in Leisure Studies Master of Public Administration

Accelerated *intradisciplinary* options are also available within the academic units of Communication, Journalism/Telecommunication, Justice Studies, and Leisure Studies.

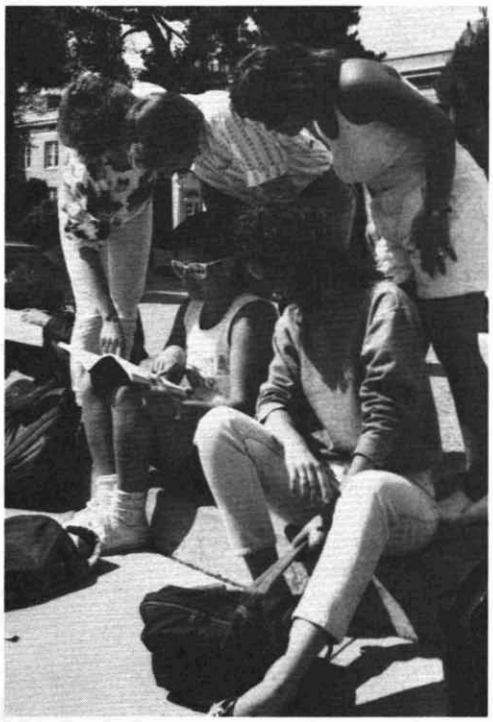
Master's Degree Requirements. Participation in an accelerated degree program option in no way implies a guarantee of admission into any

graduate degree program. The student must make application and meet all requirements for regular admission to the selected master's program as defined in the Arizona State University *Graduate Catalog* for the respective College of Public Programs discipline.

Interested students should consult the Arizona State University *General Catalog* and separate curriculum checksheets for individual department/school accelerated program requirements. For further information, students may call or write the College of Public Programs Student Services Office, Wilson Hall 203.

Graduation Requirements. Besides completing the regular university, college and departmental graduation requirements for the major, honors students must complete at least 60 hours of resident course work at ASU with a 3.40 cumulative GPA; complete at least 18 hours of specially designated honors course work, including six upper-division hours out of the major; and write a senior honors thesis under the supervision of a thesis committee, subject to oral defense and designated approvals.

For further information about the program, students should call or write the College Student Services Office, Wilson Hall 203.



Communication

PROFESSORS:

_____ (STAUF 412), ARNOLD, GOYER, GUDYKUNST, JAIN, KASTENBAUM, PERRILL, K. VALENTINE

ASSOCIATE PROFESSORS:

BANTZ, BULEY, CRAWFORD, DAVEY, HECHT, MAYER, PETRONIO, REINARD, TING-TOOMEY, C. VALENTINE

ASSISTANT PROFESSORS:

ALBERTS, BANKS, CARLSON, COREY, CORMAN, GUNDERSEN (ASU WEST CAMPUS)

LECTURERS:

OLSON (Director of Forensics), WILLIAMS (ASU WEST CAMPUS)

PROFESSORS EMERITI:

DAVIS, RICE, RICHARDS, STITES, WILLSON

Purpose

The Department of Communication exists to advance the understanding of message-related human behavior, for the purpose of improving communicative interactions. Teaching, research and service are directed to the continued development of knowledge and application of principles of communication. Courses of study are designed to provide students with relevant programs adapted to individual academic and professional goals.

General Information

Communication Major Requirements. Undergraduate students may be admitted to major status after meeting all of the following requirements:

1. Completion of at least 56 semester hours with a minimum cumulative grade point average of 2.50. The grade point average is computed on ASU courses only, and must be based on a *minimum* of nine semester hours of courses with grade options of "A," "B," "C," "D" or "E."
2. Completion of university First-Year Composition requirements (see page 81) with a minimum grade of "C" in each.
3. Completion of 12 hours of Department of Communication core course requirements (COM 100, 207, 225, 308) with a minimum grade of "C" in each.

A minimum 2.25 grade point average is required for enrollment in all upper-division courses. A higher grade point average is required

for enrollment in selected courses check with the department for specific requirements)

Degree Requirements

Bachelor of Arts and Bachelor of Science Degree Curricula

Of the minimum required 54 hours (12 hours of departmental core courses, plus the 42 hours noted below , at least 30 hours must be 300 to 400 level courses In addition to university college and department core course requirements, all majors must complete a combination of required and optiona courses consisting of at least 42 hours as follows

1 *18* hours consist ng of three (3) pairs from the following list of f ve (5 pairs of courses.

COM 1)	E ements of I terpersonal Comm ni ication
COM 410	Interpersoi a Con munication Theory and Research
COM 321	Rhet cal he ory and R search
COM 4_1	Rhet) ic f Social Issues
COM ?41	ntroduct on to Oral Interpretati n
COM 443	nterp eter s he itre The ory and Pr ct ce
COM 25	Intr du tion to Organizatic nal Com unicat)
COM 450	heors ar d Research in Organizat onal Communication
COM 63	Eler er ts of Intercultura Comm un cat on
COM 363	I tercultural Comn unication P ocesses

2 A m nimum of *24* additional hours of course credit in interest area courses, at least 12 hours of which must be in the Department of Communication. All courses outside the department must be at the 300 to 400 level A minimum grade of "C" is required in each course, except for a maximum of six hours of "Y" credit availab e to qualified students in COM 281, 382 and or COM 484.

In addit on to the above listed requirements, students seeking the Bachelor of Arts or Bachelor of Science degree must sat sfy the university General Studies requirements as noted on pages 50–80, and Co lege of Public Programs General Studies requirements as noted on page 419 Communicat on courses may *not* count toward General Studies requirements for the intermediate level (L1) of literacy and critical inquiry core courses, nor for the humanities and fine arts core courses, nor for the social and behavioral science core courses

Consult your advisor for current information concerning College of Public Programs and Department of Communication lists of courses applicable to General Studies requirements, and for information concerning differences in requirements for the B A and B.S. degrees.

Bachelor of Arts in Education

The Secondary Education curriculum *major* in communication consists of a minimum of 40 hours in communication including COM 480 and a minimum of 24 hours in a single additional approved academic minor. The student must complete all university, College of Public Programs and Department of Communication core courses, and two of the following three pairs of courses: COM 321 and 421, COM 110 and 410, COM 241 and 443, as well as COM 222, 325, and either COM 230 or 329. At least 18 hours of the major and at least one hour of COM 281 in either Forensics or Oral Interpretation must be completed. Students should consult the College of Education to ascertain the General Studies requirements for this degree.

Secondary Education curriculum *minor* in communication consists of a minimum of 24 semester hours in communication, including COM 100, 110, 222, 225, 241, 480 and either COM 410 or 443. An additional three hours must be in upper division course work.

Communication Internships

Internships consist of supervised field experiences and are available to qualified upper level undergraduate (COM 484) and graduate (COM 584) students Internships must receive prior approval from the departmental coordinator of Internship Programs *before* student registration for the course Internships may be taken once or repeated for credit up to a total of 12 hours, but not more than six hours may be applied toward the major.

Departmental Graduate Programs

In addition to offering a Master of Arts degree program, the Department of Communication also houses the interdisciplinary Doctor of Philosophy degree program in Communication Consult the *Graduate Catalog* for the requirements and areas of concentration in each program

COMMUNICATION

COM 100 Introduction to Human Communication. (3) F, S, SS
A topics-oriented introduction to basic theories, dimensions and concepts of human communicative interaction and behavior. *[Satisfies General Studies Requirement: SB]*

110 Elements of Interpersonal Communication. (3) F, S, SS
Demonstration and practice of communicative techniques in establishing and maintaining interpersonal relationships.

172 Introduction to American Sign Language. (3) F, S
Linguistic principles, expressive/receptive skills, terminology and sign systems of ASL.

200 Systems of Human Communication. (3) N
Human communicative processes and systems, major areas of theory and research and the scientific bases of human communicative behavior.

207 Introduction to Communication Inquiry. (3) F, S, SS
Bases of inquiry into human communication, including introduction to notions of theory, philosophy, problems and approaches to the study of communication. Prerequisite: COM 100. *[Satisfies General Studies Requirement: L1]*

210 Issues in Interpersonal Communication. (3) F, S
Exploration of theoretical, ethical and philosophical approaches to communication in human relationships. Prerequisite: COM 110.

215 Listening. (3) F, S
Study of theory and practice of effective listening behaviors, including intensive skill exercises.

222 Argumentation. (3) A
Philosophical and theoretical foundations of argumentation, including a comparison of models of advocacy and evidence. *[Satisfies General Studies Requirement: L1]*

225 Public Speaking. (3) F, S, SS
Verbal and nonverbal communication in platform speaking. Discussion and practice in vocal and physical delivery and in purposeful organization and development of public communication. *[Satisfies General Studies Requirement: L1]*

230 Small Group Communication. (3) F, S, SS
Principles and processes of small group communication, attitudes and skills for effective participation and leadership in small groups, small group problem solving and decision making. *[Satisfies General Studies Requirement: SB]*

241 Introduction to Oral Interpretation. (3) F, S, SS
The communication of literary materials through the mode of performance. Verbal and nonverbal behavior, interface of interpreter with literature and audience, and rhetorical and dramatic analysis of literary modes. *[Satisfies General Studies Requirement: L1]*

243 Interpreters Theatre Workshop. (3) S
Students will create and practice ensemble interpretation of literature using a variety of media in diverse settings.

250 Introduction to Organizational Communication. (3) F, S
Introduction to the study of communication in organizations, including identification of variables, roles and patterns influencing communication in organizations. Prerequisite: COM 207. *[Satisfies General Studies Requirement: SB]*

251 Interviewing. (3) F, S
Principles and techniques of interviewing, including practice through real and simulated interviews in informational, persuasive and employee-related situations. Not open to freshmen.

259 Communication in Business and the Professions. (3) F, S, SS
Interpersonal, group and public communication in business and professional organizations. Not open to freshmen and not available for credit toward the major.

263 Elements of Intercultural Communication. (3) F, S
Basic concepts, principles and skills for improving communication between persons from different minority, racial, ethnic and cultural backgrounds. *[Satisfies General Studies Requirements: SB, G]*

271 Voice Improvement. (3) F, S
Intensive personal and group experience to improve normal vocal usage, including articulation and pronunciation.

272 Intermediate American Sign Language. (3) F, S
Emphasis on increasing vocabulary and speed; development of greater fluency in ASL, including finger-spelling and nonverbal communication. Survey of deafness. Prerequisite: COM 172.

275 Nonverbal Communication. (3) F, S, SS
The effects of space, time, body movement, environment, objects and voice quality on human communication and interaction. Not open to students with credit in COM 294: Beyond Words.

281 Communication Activities. (1–3) F, S, SS
Nongraded participation in forensics or interpretation cocurricular activities, or for students enrolled in SED 433 (maximum three semester hours each semester). Prerequisite: instructor approval.

294 Special Topics. (3) F, S, SS
Prerequisite: instructor approval.

308 Empirical Research Methods in Communication. (3) F, S, SS
Examination of empirical research methods in communication, including experimental, survey, descriptive and other quantitative approaches. Prerequisite: COM 207. *[Satisfies General Studies Requirement: L2]*

312 Communication, Conflict and Negotiation. (3) F, S
Theories and strategies of communication relevant to the management of conflicts and the conduct of negotiations. Prerequisite: COM 100 or instructor approval.

316 Gender and Communication. (3) A
Introduction to gender-related communication. Verbal, nonverbal and paralinguistic differences and similarities are examined within social, psychological and historic perspectives.

320 Communication and Consumerism. (3) F, S
Critical evaluation of messages designed for public consumption. Perceiving, evaluating and responding to political, social and commercial communication. *[Satisfies General Studies Requirement: SB]*

321 Rhetorical Theory and Research. (3) F, S
Historical development of rhetorical theory and research in communication, from classical antiquity to the present. Prerequisite: COM 207. *[Satisfies General Studies Requirements: L2, HU]*

325 Advanced Public Speaking. (3) F, S
Social and pragmatic aspects of public speaking as a communicative system: strategies of rhetorical theory and the presentation of forms of public communication. Prerequisite: COM 225 or instructor approval.

329 Persuasion. 3 F S
Var ab es wh ch nf uence and mod fy att tudes and behav ors of message rece vers nc ud ng ana ys s of theor es, research and current prob ems Prerequ s te COM 207 or nstructor approva *[Sat sf es Genera Stud es Require ment SB]*

331 Large Group Decision Making. 3) F S
Theory methods and nd v dua commun cat ve behav ors re evant to arge group nteract on systems. Publ c d scus s on and par amentary procedure n various types of pub c and de berat ve assemb es Prerequ s te COM 230 or nstructor approva

341 Interpretation in Social Contexts. 3 N
Adaptat on and performance of terature n s tuations of cr s s and conf ct, notab y in pr sons mental hosp ta s and centers for the aged Prerequ s te COM 241 or nstructor approva

344 Oral Traditions in Literature. 3 N
L terary forms evo v ng from ora myths egends, fo k ta es and fab es Prerequ s te COM 241 or nstructor approva *[Sat sfies Genera Stud es Requirement HU]*

363 Intercultural Commun cation Processes. 3) F S
Processes and problems of commun cat on between people from d fferent rac a ethn c and cultura back grounds n both domest c and nternat ona sett ngs. Pre requ s te COM 263 or nstructor approva *[Satisf es Gen era Stud es Requirement SB]*

371 Language, Culture, and Communication. 3 A
Cu tura nf uences of anguage on commun cat on nc ud ng soc a funct ons of anguage, b ngua sm b cu tura sm and b d a ect sm Prerequ te COM 263 or nstructor approva *[Sat sf es Genera Stud es Requ rement G]*

372 Advanced American Sign Language. 3 F S
ASL and Eng sh concepts and d omat c express ons, emphas s on ASL pr nc p es cu tura aspects and soc o educat onal trends Prerequ s te COM 272.

382 Classroom Apprenticeship. (1 3 F, S SS
Nongraded cred t for students extend g the r experience w th a content area by ass st ng w th c assroom superv s on n other COM courses max mum three semester hours each semester) Prerequ s te nstructor approva

394 Special Topics. 3 F S SS
Prerequ s te nstructor approva

408 Quantitative Methods in Communication Research. 3 N
The use of descr pt ve and inferent a stat st cs n commu n cat on research Prerequ s te COM 308 or nstructor approva *[Satisfies Genera Stud es Requ rement. N2]*

410 Interpersonal Communication Theory and Research. 3 A
Survey and ana ys s of major research top cs, parad gms and theor es dea ng w th message exchanges between and among soc a peers Prerequis tes· COM 110, 207 or nstructor approva *[Sat sfies Genera Studies Require ment. SB]*

411 Communication in the Family. 3 N
A broad overv ew of commun cat on ssues found n mar riage and fam y fe focus ng on current top cs concern ng commun cat on n the fam y Prerequ s te COM 110, 207 or nstructor approva

414 Crisis Communication. 3 N
Ro e of commun cat on n cr s s deve opment and nter vent on Prerequ s te nstructor approval

417 Communication and Aging. (3) N
Critica study of changes n human commun cat ve pat terns through the later adu t years with attent on on inter generat ona re at onships and se f concept funct ons Prerequ s te: nstructor approva .

421 Rhetoric of Social Issues. (3 N
Cr t ca rhetor ca study of s gn ficant speakers and speeches on socia ssues of the past and present. Pre requ s te COM 321 or nstructor approva *[Satisfies Genera Studies Requirement HU]*

422 Advanced Argumentation. (3 N
Advanced study of argumentat on theories and research as app ed to pub c forum, adversary, scho arly and ega sett ngs Prerequ site COM 222 or nstructor approval.

425 Legal Communication. 3) N
The ega sett ng as a commun cat ve event featur ng d s cuss on of jury se ect on ega nterv ewing negot at ons and jury behav or. Prerequ s te: nstructor approval

430 Leadership in Group Communication. (3 N
Theory and process of leadersh p n group commun ca tion emphas zing ph osoph ca foundations contempo rary research and app cat ons to group s tuat ons Pre requ s te COM 230, 331 or instructor approva *[Satisf es Genera Studies Requirement SB]*

441 Interpretation as Literary Criticism. (3) N
Commun cat on of terature through the medium of per formance Prob ems of content structure and sty e n po etry, drama and prose. Prerequ s te COM 241 or nstruc tor approva .

442 Interpretation and the Mass Media. 3) N
The re ationsh p of modern med a rad o TV and f m to oral nterpretat on and terature Prerequ s te· COM 241 or nstructor approval.

443 Interpreters Theatre: Theory and Practice. 3) N
Stud es n v sua percept on aud ence psycho ogy theory and criticism pract ce n d rect ng, analyz ng scr pt ng and stag ng of terature Prerequ s te COM 243 or nstructor approva

444 Interpretation of Shakespeare. (3 N
Ana ys s and so o performance of scenes from Shakespeare Emphas s on current trends in the cr ticism and nterpretive performance of Shakespearean terature Prerequisite COM 241 or nstructor approva .

445 Chamber Theatre. (3 N
Theory and pract ce n ana yzing script ng and stag ng prose fict on as group performance Prerequ s te COM 241 or nstructor approval.

446 Interpretation of Literature Written by Women. 3) N
Students explore, through performance and cnt ca wnt ng, terature written by women Prerequ s te: COM 243 or nstructor approva

450 Theory and Research in Organizational Communication. 3 F, S
Cnt ca rev ew and ana ys s of the dominant theor es of organizationa commun cat on and the r coro ary research strategies Prerequ sites· COM 250, 308 or nstructor approva *[Sat sf es General Studies Requirement· SB]*

451 Employee Participation Processes in Organizations. (3 A
Princ ples concepts and eadersh p for mp ementat on of Qua ity C rc es" and sim ar emp oyee nvo vement proc esses Prerequ s tes COM 230 250; or nstructor ap prova

453 Communication Training and Development. (3) N
Examination of the procedures and types of communication training and development in business, industry and government. Prerequisites: COM 250, 308; or instructor approval.

456 Political Communication. (3) A
Theory and research related to political campaign communication. The persuasive process of political campaigning, the role of the media, the candidate and image creation. Prerequisites: COM 250, 308; or instructor approval. *[Satisfies General Studies Requirement: SB]*

457 Communication and Information Diffusion. (3) N
Role of communication in diffusion of information. Principles and practices for the systematic dissemination of information to implement change in various social systems. Prerequisites: COM 250, 308; or instructor approval. *[Satisfies General Studies Requirement: SB]*

465 Intercultural Communication Workshop. (3) F, S
Experientially based study of communication between members of different cultures designed to help students improve their intercultural communication skills. Prerequisite: instructor approval.

472 Development of Language as Communicative Behavior. (3) N
Development of language and interpersonal communicative behaviors of children through adolescence, including expressive and receptive competencies and interactions with others. Prerequisite: instructor approval. *[Satisfies General Studies Requirement: SB]*

480 Methods of Teaching Communication. (3) N
Analysis, organization and presentation of textual and other classroom materials. Prerequisite: instructor approval.

484 Communication Internship. (1–12) F, S, SS

494 Special Topics. (1–3) F, S, SS
Prerequisite: instructor approval.

501 Research Methods in Communication. (3) A
Critical analysis of systems of inquiry in communication, focusing on the identification of variables and approaches to conducting research in communication. Prerequisite: instructor approval.

504 Theories and Models in Communication. (3) A
Theory construction, metatheoretical concerns, models, construct definition and comparative analysis of current theories in communication. Prerequisite: instructor approval.

508 Quantitative Research Methods in Communication. (3) A
Empirical research designs, measurements and statistical strategies and techniques in analyzing and evaluating experimental and descriptive research in communication. Prerequisite: COM 500 or instructor approval.

509 Qualitative Research Methods in Communication. (3) A
Qualitative research methods, including interviewing, field methods and other nonquantitative techniques for analyzing communication. Prerequisite: COM 500 or instructor approval.

510 Interpersonal Communication Theory and Research. (3) N
Contemporary theories and research in interpersonal communication. Prerequisites: COM 500, 504; or instructor approval.

512 Death, Society and Human Experience. (3) N
Examines dying, death, bereavement, and suicide from both individual and sociocultural perspectives in terms of options for communication and action in death-related situations. Prerequisite: instructor approval.

521 Rhetorical Criticism of Oral Discourse. (3) N
History and significance of rhetorical theory and criticism in the analysis of oral discourse. Prerequisite: COM 500 or instructor approval.

529 Theories of Persuasion. (3) N
Analysis of representative theories and models of persuasive processes and their implications for communicative behavior. Prerequisites: COM 500, 504; or instructor approval.

531 Theories of Small Group Communication. (3) N
Theory and research in small group interaction and decision making, focusing on communicational variables which affect small group output. Prerequisites: COM 500, 504; or instructor approval.

541 Research Perspectives in Interpretation. (3) N
Supervised research in the historical and contemporary relationships between the interpreter, the text and the audience. Prerequisites: COM 500, 504; or instructor approval.

555 Communicative Processes in Organizations. (3) N
Systematic analysis of communicative interactions between organizational structure, information flow and human behaviors in the organizational setting. Prerequisites: COM 500, 504; or instructor approval.

563 Intercultural Communication. (3) N
Analysis of contemporary theory and research concerning the effects of a variety of cultural variables on communication between people. Prerequisites: COM 500, 504; or instructor approval.

575 Language and Message Systems. (3) N
Sign/symbol systems; personal, functional and contextual aspects of message systems; measurement of "meaning." Prerequisites: COM 500, 504; or instructor approval.

584 Communication Internship. (1–12) F, S, SS

600 Research Methods: Multivariate Statistical Analysis of Data in Communication. (3) A
Statistical analysis of communication research data. Multivariate procedures used in communication research and methods of causal analysis. Prerequisite: prior graduate statistics course or instructor approval.

691 Seminar: Theory Construction in Communication. (3) A
Review and analysis of philosophical problems inherent in communicative research, and meta-theories designed to deal with these problems. Prerequisite: COM 504 or instructor approval.

700 Research Methods: Issues of Interdisciplinary Research in Communication. (3) A
Logic of inquiry and problems in the philosophy of interdisciplinary communication research. Design of qualitative and quantitative research, reliability, validity. Prerequisite: COM 500 (or equivalent), 600, or instructor approval.

780 Practicum: Research in Communication. (3) A
Guided practice in the conduct of communication research. Topic identification; procedures, formats and ethics of publishing. Prerequisites: COM 600, 691, 700; instructor approval.

Special Courses: COM 298, 492, 493, 497, 498, 499, 500, 580, 590, 591, 592, 594, 598, 599, 600, 680, 691, 692, 700, 780, 790, 791, 792, 799. (See pages 43–44.)

Walter Cronkite School of Journalism and Telecommunication

PROFESSORS:
ANDERSON (STAUF A231B) BENNETT, CRONK TE, HALVERSON, M LNER
ASSOCIATE PROFESSORS:
CRAFT, ELLIS, GAL CIAN, HOY, LENTZ, MERR LL SILVER, SMITH, SYLVESTER
ASSISTANT PROFESSORS:
BRAMLETT SOLOMON F ELD NG, GODFREY, LE GH
PROFESSORS EMERITI:
BROWN CROWDER RANKIN

Major Requirements

All students enrolling in courses in the Walter Cronkite School of Journalism and Telecommuni cation must complete a minimum of 30 semester hours with at least a 2.25 cumulative grade point average before they will be permitted to enroll in school courses at the 200 level.

All students intending to take school courses beyond the 100 level a so must complete an Eng lish proficiency exam with a passing score. The exam will be administered by the school.

Upper division courses in the school are open to majors or to those students with a minimum cumulative grade point average of 2.50. Certain upper-division courses are open only to majors

To become a major in either Journalism or Broadcasting, a student must complete at least 56 semester hours with a minimum cumulative grade point average of 2.50. The student must become a major (2.50 GPA) by the time 86 semester hours is reached, otherwise the student is disqualified *from taking courses in this school*

To ensure students receive a broad academic background, no more than 36 semester hours in courses in the major may apply to the 126 semes ter hours required for graduation. At least 18 hours of school courses, including one writing course, must be taken at Arizona State University. A student must make a "C" or higher grade in all courses taken in the major and in the required re lated field area Specific areas that may be used to fulfill the related field requirement are listed on the curriculum checksheets for each major avail able in the school. Courses elsewhere in the uni versity which duplicate or are closely related to school subject matter may be restricted by the school.

Bachelor of Arts Degree Requirements

All students are required to complete 16 semester hours of a foreign language, or the equivalent to the intermediate level

Broadcasting. Consists of 42 semester hours of which 30 must be in school courses and 12 in a related field Students must take a required core of courses consisting of MCO 110, 402; TCM 200, 201 and 235. The student also must choose a major professional emphasis area.

These courses are in addition to other degree requirements. (See degree requirements, pages 81 82.)

Journalism. Consists of 42 semester hours of which 30 must be in school courses and 12 in a related field. Students must take a required basic core, consisting of MCO 110, 402; JRN 201, 301, 313, and one of the following. MCO 418, 421 or JRN 412 The student also must choose a major professional emphasis area.

These courses are in addition to other degree requirements. (See degree requirements, pages 81 82.)

Bachelor of Science Degree Requirements

(The Bachelor of Science program is under re view by the faculty and is not available as an op tion for students entering under this *Catalog*.)

Related Field. Each student is required to com plete a 12-semester-hour related field (or minor). This is to complement the courses taken in the major emphasis areas.

See the curriculum checksheets for each major for the full details and suggested related field areas.

Major Teaching Field Requirements

Bachelor of Arts in Education Degree Curriculum

Journalism Consists of 48 semester hours. Courses MCO 110, 402; JRN 201, 301, 313, 351 and 480 are required. An additional 27 hours, including 15 hours in school course offerings, must be taken on approval by the advisor in consultation with the student. The remaining courses may be in closely related fields.

Minor Teaching Field Requirements

Journalism Consists of 24 semester hours Courses MCO 110; JRN 201, 301, 313, 351 and 48) are required The remaining courses are to be selected in consultation with a journalism advisor.

General Studies

The student should carefully check the university requirements on General Studies found on pages 50–80

The School of Journalism and Telecommunication has certain requirements beyond the university General Studies which require the student to accumulate a total of 54 semester hours The student is advised to review carefully the appropriate school curriculum checksheet to be sure courses taken will move the student toward graduation with the least amount of delay and difficulty

In addition to the university General Studies requirement, the School of Journalism and Telecommunication requires the following

Humanities and Fine Arts. Three to six (3–6) semester hours minimum for a total of twelve (12) semester hours when combined with university General Studies.

Social and Behavioral Sciences. Nine to twelve (9 12) semester hours minimum for a total of eighteen (18) when combined with university General Studies

Additional courses may be taken in each of the groups and/or from the electives listed to complete the total of 54 semester hours required by the school.

Within the program there are specific course requirements. Students will be required to take one course in each of the following: political science (either POS 110 or 310), history, economics, communication (Applied Speech), computer science, two natural (physical) science lab courses, English composition (beyond freshman level), English literature, philosophy, psychology, mathematics (numeracy requirement), and statistics.

Graduate Program

Master of Mass Communication Degree. The curriculum for the M.M.C. degree is designed to help students achieve intellectual and professional growth, to prepare students for positions in the mass media, and to provide a background to enable those currently in the media to advance their careers. Information on the Master of Mass Communication program is detailed in the *Graduate Catalog*

MASS COMMUNICATION

MCO 110 Introduction to Communication. 3 F S SS
Organization function and responsibilities of the media and adjunct services Primary emphasis on newspapers radio television and magazines Not open to students with credit for MCO 120 Prerequisites completed first Freshman English course with C grade major

120 Media and Society 3 F S
Role of newspapers magazines radio, television and motion pictures in American society Not open to students with credit for MCO 110 Designed for nonmajor *[Satisfies General Studies Requirement SB]*

402 Communications Law. 3 F S SS
Legal aspects of the rights, privileges and obligations of the press radio and television

418 History of Communications. 3 F S
American journalism from its English and colonial origins to the present day Development and influence of newspapers magazines radio television and news gathering agencies *[Satisfies General Studies Requirements SB H]*

421 News Problems. 3 S
Trends and problems of the news media emphasizing editorial decisions in the process of news Prerequisite nine hours of mass communication journalism telecommunication courses or instructor approval

430 International Communication. 3 F S
Comparative study of communication and media systems. Information gathering and dissemination under different political and cultural systems *[Satisfies General Studies Requirement G]*

450 Visual Communication. 3 F S
Theory and tradition of communication through the visual media with emphasis on the continuity of traditions common to modern visual media *[Satisfies General Studies Requirement HU]*

503 Press Freedom Theory. 3 S
Examination of philosophical and legal aspects of press freedom Emphasis on First Amendment theory evolution from 1791 to present

510 Research Methodology in Mass Communication. (3 F
Identification of research problems in mass communication. Overview of questionnaire construction. Attention to survey historical content analysis experimental, legal research methods

520 Mass Communication Theories and Process. 3 F
Analysis of various theoretical models of mass communication with emphasis on the application of these theories to various professional communication needs

522 Mass Media and Society. 3 S
Mass media as social institutions partiularly interaction with government and public Emphasis on critical, normative statements

530 Media Ethics. 3 S
Ethical conventions and practices of print and electronic media as they relate to the government and private sectors of the society

Special Courses: MCO 394, 484 492 493 494, 497 500, 580 584 590, 591 592 593 598 See pages 43–44)

JOURNALISM

JRN 201 Journalism News Writing. (3) F, S SS
Writing news for the print media. Prerequisites: MCO 110 or 120 successful completion of English proficiency requirement demonstrated typing ability of 30 words per minute *[Satisfies General Studies Requirement L1]*

301 Reporting. 3) F S
Fundamentals of news gathering, interviewing and in depth reporting. Prerequisites JRN 201 major *[Satisfies General Studies Requirement. L2]*

313 Introduction to Editing. 3 F S
Copyediting and headline writing. Electronic editing on video display terminals Prerequisites. JRN 301 major.

340 Magazine Writing. (3) F S
Writing and marketing magazine articles for publication. Prerequisite JRN 301 or instructor approval

351 Photojournalism I. 3 F S
Taking developing and printing pictures for newspapers and magazine production on a media deadline basis Students should have their own cameras Prerequisite JRN 201 or instructor approval

401 Public Relations Techniques. 3) F S
Theory and practice of public relations and related techniques and procedures Prerequisites JRN 301 or TCM 315; major

412 Editorial Interpretation. (3 N
The press as an influence on public opinion. The role of the editor in analyzing and interpreting current events Prerequisite JRN 301

413 Advanced Editing. (3) F, S
Theory and practice of newspaper editing, layout and design, picture and story selection Prerequisite. JRN 313

414 Business and Industrial Publications. (3 F, S
Theory and practice of layout typography and design for magazines, brochures and industrial publications Prerequisite JRN 401

415 Writing for Public Relations. (3 F, S
Development of specific writing techniques for the practitioner in public relations agencies and divisions of major organizations. Prerequisite JRN 401

420 Reporting Public Affairs. (3 F, S
Instruction and assignments in reporting the courts, schools, government city hall, social problems and other areas involving public issues Prerequisite: JRN 301.

422 Business Reporting. 3 N
Analyzing and reporting economic and consumer affairs Prerequisites three hours of economics JRN 301

451 Photojournalism II. (3 F S
Theory and practice of photojournalism with emphasis on shooting lighting and layout for the media Prerequisite JRN 351

452 Photojournalism III. 3 F, S
Advanced theory and practice of photojournalism with emphasis on the photo essay and illustrations in black and white and color. 2 lectures, 2 hour lab Prerequisite JRN 451

460 Print Media Management. 3 F, S
Problems and functions involved in the management and marketing of a newspaper or magazine. Interaction of management with the organization and community Prerequisite: JRN 201 or instructor approval

480 Methods of Teaching Journalism. (3) F
Methods of instruction organization and presentation of appropriate content in journalism Prerequisite: six hours of journalism at 300 level and above or instructor approval

Special Courses: JRN 484 494, 499 584 (See pages 43–44

TELECOMMUNICATION

TCM 200 Fundamentals of Radio-Television. 3 F S, SS
Structure of telecommunications in the U S history regulation, organization, with emphasis on broadcasting Relationship to advertising research and government agencies. Prerequisite MCO 110 or 120

201 Radio-Television Writing. 3 F S SS
Writing for electronic media, news and continuity Prerequisites MCO 110 or 120 successful completion of English proficiency requirement; demonstrated typing ability of 30 words per minute *[Satisfies General Studies Requirement L1]*

235 Production Techniques. 3 F S
Introduction to basic concepts of audio and video production Operation of portable cameras recorders microphones, lights editing, and postproduction equipment will be introduced Prerequisite TCM 200

300 Advanced Broadcast Newswriting. 3 F S
Technique and practice in newswriting for broadcast and cable applications Prerequisite TCM 201

315 Broadcast News Reporting. 3 F S
News and information practices of networks stations and industry Practice in writing reporting and editing with emphasis on audio Prerequisites TCM 201 235 *[Satisfies General Studies Requirement L2]*

330 Advanced Broadcast Reporting. 3 F, S
News and information practices of networks stations and industry Advanced practice in writing reporting, and editing with emphasis on video Prereq site TCM 315

332 Broadcast Programming. 3 F, S SS
Programming theory and evaluation regulation, ethics and responsibilities and basics of audience psychographics and effects Prerequisite TCM 200

336 TV Studio Production. 3 F, S
Introduction of multi camera production in the studio Teamwork and group production are emphasized through lab assignments covering a variety of program types. Prerequisites TCM 235 major

343 Broadcast Announcing. 3 F S
Techniques of radio and television announcing Prerequisites TCM 201 235

431 Advanced Radio-TV Writing. (3 F S
Technique and practice in non news writing for radio and television, emphasizing creative and commercial approaches to copywriting and copy presentations Prerequisite TCM 201

433 Broadcast Sales and Promotion. 3 F S
Basics of electronic media marketing practices, including commercial time sales techniques and radio/TV promotion fundamentals Prerequisite TCM 200

435 Cable TV and Emerging Telecommunication Systems. 3) F S
Structures and utilization of cable industrial and instructional television satellite and videocassettes. Prerequisite. TCM 200

437 Advanced TV Production. (3) F S
Emphasis on individual production projects of the student's own conception and design utilizing studio field and postproduction techniques Prerequisite TCM 336

472 Broadcast Station Management. (3) F, S
Management principles and practices, including organization, procedures, policies, personnel problems and financial aspects of station management. Prerequisite: TCM 332.

480 Television News Practicum. (3) F, S
Writing, reporting, and production of the television newscast. Prerequisite: TCM 330.

Special Courses: TCM 484, 499, 584. (See pages 43–44.)

School of Justice Studies

John R. Hepburn, Ph.D., Director

REGENTS' PROFESSOR:
PALUMBO
PROFESSORS:
HEPBURN (WILSON 323), ALTHEIDE, HAYNES, JOHNSON, KELLY, KENNEDY, LAUDERDALE, MUSHENO
ASSOCIATE PROFESSORS:
BORTNER, BRUNS, CAVENDER, HERNANDEZ, JURIK, SCHADE (ASU WEST CAMPUS), SHUMAN, ZATZ
ASSISTANT PROFESSORS:
FERRARO, LUJAN, MELICHAR

Purpose and Philosophy

The school provides an interdisciplinary setting for studying justice from a social science perspective: the just distribution among people of benefits and burdens, including rights, desserts and needs. The curriculum focuses on criminal, juvenile, civil, and administrative regulations; and the individual and group behavior that these regulations are designed to influence. The study of justice includes diverse conceptions such as social justice, economic justice and the growing concern with victimology as well as the exploration of liberty and responsibility.

Degrees

Bachelor of Science

The curriculum for the Bachelor of Science degree in Justice Studies provides interdisciplinary, social science courses relevant to law and justice for students working in the justice field, those anticipating justice-related careers (including the legal profession), and interested nonmajors.

Master of Science

The faculty in the School of Justice Studies offer a program leading to the Master of Science degree with a major in Justice Studies. The study of justice is an interdisciplinary problem-oriented field of scholarship, research and teaching, embracing those aspects of social and behavioral sciences relevant to an understanding of law, justice, crime and social deviance, and entailing a critical examination of the systems which have evolved for handling attendant problems. The Master of Science degree has been designed to prepare students for professional positions in justice-related agencies, for teaching in community colleges and for further study and research in the justice field. Information on the Master of Science with a major in Justice Studies is detailed in the *Graduate Catalog*.

Concurrent M.A. Anthropology/ M.S. Justice Studies

Graduate students in the School of Justice Studies and the Department of Anthropology are able to receive a concurrent Master of Science degree in Justice Studies and Master of Arts in Anthropology. The principal purpose of the program is to prepare individuals with combined and complementary knowledge and skills for basic and applied research and administrative and educational activities related to justice studies and anthropology.

Students will have to be admitted separately to each program, following the guidelines set forth by the Graduate College, Department of Anthropology and School of Justice Studies. Additional information on the M.A. in Anthropology and the M.S. in Justice Studies may be obtained from each department.

Admission to Undergraduate Program

The Bachelor of Science in Justice Studies is an upper-division program. Upon admission to the university, Justice Studies students will be classified as premajors. Major status is required for graduation and premajors are not allowed to take 400-level JUS courses. Justice Studies students may earn major status by:

1. Earning a minimum of 56 semester hours.
2. Earning a minimum cumulative grade point average of 2.50 (calculated on semester hours earned at Arizona State University).
3. Completing, with a grade of "C" or better, the following courses: ENG 101 and 102 (or

ENG 105), JUS 100, 200, 301, 302, 303; and the College of Public Programs writing competence requirement.

Upon completion of these requirements, the School of Justice Studies will administratively assign the premajor to major status.

Academic Advisement. Justice Studies students admitted as premajors are advised by the school's academic advisor. All students are encouraged to seek advisement in order to formulate an appropriate educational plan. Justice Studies majors may also be advised by the school's faculty.

A comprehensive discussion of degree requirements for the Bachelor of Science in Justice Studies is contained in the school's *Undergraduate Advisement Guide*, available in Wilson 342 and via requests by mail or phone (602/965 7727). Every Justice Studies undergraduate receives the *Advisement Guide* as well as an evaluation of transfer work, if any, by the school's advisement staff upon admission or readmission to the university.

Degree Requirements

The School of Justice Studies awards a Bachelor of Science upon the successful completion of a curriculum consisting of a minimum of 126 semester hours including university General Studies requirements, College of Public Programs requirements, justice studies courses and electives. Additionally, the student must fulfill the following:

1. Earn major status.
2. Earn a minimum of 50 semester hours of upper division courses.
3. Complete a minimum of 30 semester hours, including 24 in justice studies courses, at Arizona State University.
4. Earn a grade of "C" or better in all justice studies courses taken at Arizona State University that apply to the justice studies component of the curriculum (i.e., nonelectives).
5. Meet the university's residency and scholarship requirements.

A comprehensive discussion of degree requirements for the B.S. in Justice Studies is contained in the school's *Undergraduate Advisement Guide*. (See Academic Advisement.)

General Studies Program. To assure breadth and depth of their education, all Justice Studies undergraduates must complete the university General Studies requirements and additional fundamental requirements prescribed by the College of Public Programs and the School of Justice Studies. For descriptive information on these requirements, refer to:

University General Studies, pages 50–80, this *Catalog*

College requirements, pages 418–419, this *Catalog*

School requirements, *Undergraduate Advisement Guide* (see Academic Advisement)

Justice Studies Program. The required justice studies component consists of 54 semester hours, of which 15 must be taken in a related field approved by the school. JUS 100, 200, 301, 302 and 303 are required for all degree candidates. Through advisement, a group of justice studies courses may be recommended to ensure a comprehensive exposure appropriate to the student's interests. For specific information in this area, refer to the *Undergraduate Advisement Guide*. (See Academic Advisement.)

Electives. Students are encouraged to utilize the unique opportunities afforded by the university to pursue personal educational interests, whether in the form of a broad sampling of other disciplines, or the deeper probing of a single field. Any course offered by the university may be utilized as an elective.

Transfer of Community College Credits. Credits transferred from accredited community colleges will be accepted as lower division credits up to a maximum of 64 semester hours. The acceptance of credits will be determined by the director of Admissions, and the applicability of credits toward degree requirements will be determined by the School of Justice Studies.

Special Program Option. Justice Studies participates in the accelerated degree program of the College of Public Programs, by which eligible students may complete the bachelor's and master's degrees on an accelerated schedule. See the description provided by the College of Public Programs (page 420).

JUSTICE STUDIES

JUS 100 The Justice System. 3 F, S SS
Overview of the justice system. Roles of law enforcement personnel, the courts and correctional agencies. Philosophical and theoretical views in historical perspective. *[Satisfies General Studies Requirement: SB]*

200 Concepts and Issues of Justice. 3 F S SS
Issues relating to justice policies, perspectives, techniques, roles, institutional arrangements, management, uses of research and innovative patterns. *[Satisfies General Studies Requirement: SB]*

301 Research in Justice Studies. (3) F S, SS
Focus s on develop ng and eva uat ng research des gns, data co ect on and the relat onsh p between va d ty and re abi ty Methods for conduct ng research s also stressed Prerequ s tes. JUS 100 or 200; or nstructor approva , open to Just ce Stud es students on y.

302 Basic Statistical Analysis in Justice Studies. (3 F, S, SS
Introduct on to the fundamenta s and app cat on of de scr ptive and nferent al statist cs, w th emphas s n the jus t ce area Prerequ s tes JUS 100 or 200· or nstructor approval the un versity mathemat cs requ rement, open to Just ce Stud es students on y *[Satisf es General Stud es Requ'rement· N2]*

303 Justice Theory. 3) F S SS
An examinat on of class c and contemporary phi osoph es and theories of just ce includ ng ega , soc'a and cr m na just ce Prerequ s tes JUS 100 or 200 or nstructor ap proval open to Just ce Stud es students on y

306 The Police Function. 3) F S SS
A ternat ve object ves, strateg'es programs 'nst tut ona arrangements, roles perspect ves and nteragency re a t'onsh ps of the po ce. Prerequ s te. JUS 100 or 200 or nstructor approva

308 The Adjudication Function. (3) F S SS
H story and deve opment of Courts, tr a by jury and other d spute reso ut on mechan sms, se ection and removal of judges and jur es organ zat on structure and jur sd ct on of Courts; tria and nontr a processes of the jud c ary Prerequ s te: JUS 100 or 200 or 'nstructor approva

310 The Correctional Function. 3 F, S SS
A ternat ve correct ona object ves, strateg es, programs, nst tut ona arrangements, ro es, perspect ves and nter agency relat onships Prerequ s te JUS 100 or 200, or nstructor approva

311 Prevention of Delinquent and Criminal Behavior. (3) F, S SS
Theories of prevent on, nd v dua group and community approaches: ntervent on at appropriate stages contem porary aw enforcement and correct ons pract ces. Pre requis te. JUS 100 or 200 or nstructor approva

320 Community Relations in the Justice System. 3) F, S, SS
Focus on deve op ng an informed p an and po cy for n corporating research findings about the surrounding com mun ty w thin var ous just ce serv ces and agencies Top ics nc ude soc a strat f cat on, m nor ty groups and v ct mo ogy Prerequ s te JUS 100 or 200; or nstructor ap proval.

329 Domestic Violence. 3) F, S, SS
Legal aspects of domestic v o ence n context of h stor ca , theoretical and treatment aspects of domestic vio ence, nc ud ng chi d abuse women batter ng ncest, marita rape and elder y abuse Prerequ site JUS 100 or 200 or instructor approva

335 Organized Crime. (3 F S
The nature of organ zed cr me and ts egal act v t es theor es of conta nment and efforts by just ce agenc es to counter ts dominance n society. Prerequ site JUS 100 or 200, or nstructor approval.

340 Juvenile Justice. 3 F S SS
A cr t ca examinat on of the h story and development of the juven le court and the juveni e justice system Pre requisite JUS 100 or 200 or nstructor approva

360 Law and Social Control. 3 F, S SS
Resolut on of soc a ssues through the appl cat on of aw as an agent of soc a contro Nature, sanct ons and m ts of aw Categor es of aw and schoo s of jur sprudence Prerequ s te JUS 100 or 200, or nstructor approva *[Sat sf es General Stud es Requ rement· SB]*

394 Special Topics. 1 3 F S, SS
Top cs chosen from var ous f e ds of just ce stud es Pre requ s te JUS 100 or 200 or nstructor approva

404 Imperatives of Proof in the Justice System. 3 F, S, SS
Prob ems and means of estab sh ng dent ty and fact n relat on to arrest detent on, ad ud cat on, sentenc ng and correct ona case management Prerequ s tes JUS 100 or 200, or n tructor approva , Just ce Stud es students must have ma or status

422 Women and Crime. 3 F S SS
Theoret ca , emp r ca and egal ana yses of women as of fenders and v ct ms of cr me Part cu ar attent on to the nature of soc a contro w th respect to women Prerequ sites JUS 100 or 200 or nstructor approva Just ce Stud es students must have ma or status.

435 White Collar Crime. 3 F, S SS
Overv ew of major ssues n bus ness, profess ona and of f cia ru e v o ations nc udes consumer fraud secur t es v o ations uneth ca profess ona sm po t ca corrupt on Prerequ sites JUS 100 or 200, or nstructor approva Jus t ce Stud es students must have major status

440 Organization and Administration of the Justice System. 3 F, S, SS
Introduct on to bas c research theories and the r appl ca t on to cr m na just ce management Emphas s on super v sory and middle management theory and po cy deve op ment Prerequ s tes· JUS 100 or 200 or nstructor ap prova Just ce Stud es students must have major status

461 Substantive Criminal Law. 3 F, S SS
Cr m na ab ty Cr mes aga nst persons, property and soc ety Governmenta sanct ons of nd v dua conduct as formu ated by eg s atures and the courts Prerequ s tes JUS 100 or 200, or nstructor approva Just ce Stud es students must have major status

462 Procedural Criminal Law. 3 F, S SS
The cr m na process. Const tut ona and ega problems assoc ated w th arrest, search and se zure and due proc ess of aw Prerequ s tes· JUS 100 or 200 or 'nstructor approval, Just ce Stud es students must have major status

463 Discretionary Justice. 3 F S, SS
Use and abuse of d scret on n a phases of the just ce system and soc ety Key ssues and man festat ons of dis cret on Theoret ca and emp r ca nkages between d s cret on and d scr minat on. Prerequ s tes JUS 100 or 200 or instructor approva ; Just ce Stud es students must have major status *[Sat sfies General Stud es Requirements L2, SB]*

469 Political Deviance and the Law. 3 F S SS
An exam nat on of the controvers es created by po t cal and dev ant behav or nc ud ng a cr t ca v'ew of aw as an agent of soc a contro Prerequ sites JUS 100 or 200 or nstructor approva , Just ce Stud es students must have major status *[Satisf es General Stud es Requirement SB]*

474 Legislation of Morality. 3 F S, SS
Understand ng bas c quest ons and contemporary ssues re ated to aw and mora ty Process of creat ng and en

forc ng mora ty statutes (e g , prost tut on) Prerequ s tes JUS 100 or 200 or nstructor approval; Just ce Stud es students must have major status

484 Internship. (3 or 6 F S, SS
Ass gnments n a just ce agency des gned to further the student s ntegrat on of theory and pract ce Placements are arranged through consultat on w th students and agenc es May be taken for a tota of up to 12 hours credit of which a max mum of 6 sha l be app ed to the major Students must consu t w th the schoo to arrange ntern sh ps Prerequ s tes: JUS 100 or 200, Just ce Studies stu dents must have major status

494 Special Topics. 1 3) F S, SS
Top cs chosen from various f elds of justice studies Pre requis tes: JUS 100 or 200 or nstructor approva Just ce Studies students must have ma or status

498 Pro-Seminar. 1 3 F S SS
Smal group study and research for advanced students May be repeated for cred t up to a max mum of nine hours, no more than three applied to the major. Prerequ - s tes JUS 100 or 200 m n mum cumu at ve GPA of 3 00, nstructor approva ; Just ce Stud es students must have major status

499 Independent Study. 1 3) F, S, SS
Onginal study or nvest gat on in the advanced student's f e d of nterest under the superv s on of a faculty member. May be repeated for cred t up to a max mum of s x hours, a app cab e to the major Prerequ sites JUS 100 or 200 sen or stand ng minimum cumu at ve GPA of 3 00, m n mum GPA in JUS courses of 3 00 nstructor approval; Just ce Stud es students must have major status.

500 Justice Research Methods. (3 F, S SS
Theor es and methods of research with emphas s on de ve opment of designs most re evant to just ce data and prob ems

501 Justice System, Theory and Issues. (3 F, S
Analys s of the just ce structure and process w th n various theoret ca frameworks Issues such as discret on, d ver sion and p ea negot at ons

502 Primary Management in Justice Agencies. (3) S
Concepts of modern management and the r app cation to justice re ated agency superv s on and management

503 Crime and Social Causation. (3 S
Theor es of dev ance and crime as they re ate to socia po c es and spec f c response of the just ce comp ex

509 Statistical Problems in Justice Research. 3) F, S
Methodo ogica prob ems of research des gn and stat st cal methods spec f c to just ce stud es

510 Understanding the Offender. (3) F
Survey of learning personality and b olog ca theor es of causat on and the r re evance to understanding crim na and de nquent behav or

514 Justice Policy. 3 F
Assessment of the po t cs of just ce po cy as we as an understand ng of the bas c too s ava lab e to soc a scien tists for ana yz ng the formu at on mp ementat on and evaluation of just ce po cy

520 Qualitative Theory and Data Collection. 3) F
The basic theoret ca rat ona e and perspectives for justice re ated qual tat ve research e g symbo c nteract on sm. Techniques for data co ect on e g. ethnography, depth nterv ew ng

521 Qualitative Data Analysis and Evaluation. (3) S
Ana ys s of a qua tat ve data, e.g f eld notes, depth nter v ew transcr pts, document analys s cod ng and retr eva w th a m crocomputer qua tat ve eva uat on.

530 Justice Education. (3) F
Deve opment and ph osophy of just ce educat on and tra n ng Prob ems of curr culum deve opment and eva u ation Exam nation and evaluat on of teach ng methodo o g es and nstruct ona a ds

540 Justice Administration. 3 S
Adm n strat ve po c es and pract ces used n justice agen- c es and their app cat on to the various facets of the jus tice administrative process

541 Justice Planning: Innovation and Change. 3 S
Normat ve factors n p ann ng for standards and goa s in the just ce system. App cat on of nnovation and change techn ques n an nterdependent system.

550 Survey Research in the Public Sector. 3 S
Des gn and mp ementat on of survey research methods w th an emphas s on pub c sector app cat ons Cross l sted as PAF 550 Prerequisites JUS 500 and 509 or equivalent or PAF 500 and 501 or instructor approva

560 Women and Crime. (3 F
Nature and extent of female crime, causat on theories and the treatment of fema es n the law and just ce system

570 Juvenile Delinquency. (3) F
Study of de nquency, nc ud ng causat on theories. A ter nat ve defin tions of de nquency, off c a statist cs and the cnt que and ana ys s of the nteraction between socia in st tut ons and youth

571 Juvenile Justice System. (3) S
Graduate evel ntroduct on to juven e just ce system, n clud ng h stonca deve opment ph osoph ca or entation organ zat ona structure and contemporary controvers es

579 Political Deviance. 3) F
The sem nar exam nes the po t cs of dev ance by ntegrat ng the study of conf ct with aspects of socia organ za tion, espec a ly state format on

584 Internship. (3 or 6) F S SS
Assignments n a just ce agency des gned to further the student s ntegrat on of theory and pract ce P acements are arranged through consu tation w th students and agencies

591 Seminar. (1 3 F, S SS
Top cs chosen from var ous f e ds of just ce stud es. May be repeated for credit.

610 Law and the Social Sciences. (3) S
Normat ve conceptua izations of law, aw and the adm n s trat ve state; mpacts of aw on soc ety d scretion street eve bureaucrats and the i v ng aw

620 Justice Research and Methods. (3 F
Concept deve opment research design data col ect on strateg es lega research and bu ding computer data bases relevant to the study of just ce.

630 Data Analysis for Justice Research. (3) F
Bivariate and mult var ate techn ques of data analys s and hypothes s test ng for just ce re ated research and use of nformation and stat st ca programs

640 Theoretical Perspectives on Justice. (3) F
Ana ysis of ph osophical perspectives of just ce; inkages between soc a sc ence theory and just ce constructs, ap p cat on of just ce to soc a ssues.

Special Courses: JUS 492 493, 497 584, 590, 591 592 593 594, 598 599, 691, 790 791, 792, 799 (See pages 43–44.

Leisure Studies

PROFESSORS:
HALEY (GHALL 204), CHEATHAM
ASSOCIATE PROFESSORS:
ALL SON, KNOPF (ASU WEST CAMPUS), YOSHIOKA
ASSISTANT PROFESSORS:
DIFFENDERFER, TEYE, VIRDEN
PROFESSOR EMERITUS:
GREEY

Departmental Major Requirements

Freshmen enrolling in the Department of Leisure Studies and students transferring from other departments within the university must complete a minimum of 56 semester hours with a minimum of 2.50 cumulative grade point average before being officially admitted to the Bachelor of Science program in Recreation with major status. As part of this minimum requirement, the students must successfully complete REC 160 and ENG 101 102 or ENG 105 (or the English Proficiency Examination) with a grade of "C" or better.

Transfer students who have completed 56 semester hours or more at another institution must remove any of the above course or scholastic deficiencies prior to being admitted with major status to the Bachelor of Science program in Recreation.

The student must maintain a minimum 2.50 cumulative GPA to continue to enroll in professional core courses in the department.

The student must complete the university General Studies requirements and the College of Public Programs' course requirements in addition to major requirements. General Studies courses may not be used concurrently toward the General Studies requirement and related requirements within the major core.

Bachelor of Science Degree Curriculum

This program consists of 69–74 semester hours of course work including related studies. The following courses are core major courses required of all undergraduate majors:

			Semester Hours
REC	120	Social Psychology of Play	3
REC	160	Leisure and Society	3
REC	210	Leisure Delivery Systems	3
REC	330	Theory and Principles of Recreation Programming	3
REC	364	Recreation for Special Populations	3
REC	462	Administration of Leisure Services	3
REC	463	Senior Internship	12
		Total	30

REC 160, 210, 330, 462 and 463 must be taken in sequence and may not be taken concurrently.

The remaining courses will be reflective of the professional emphasis area selected by the student in consultation with his/her assigned departmental advisor. The five (5) professional emphasis areas in the department follow:

Outdoor Recreation. This area of emphasis prepares students for the planning and management responsibilities in agencies which have as their primary mission the provision of outdoor recreation opportunities. Students are provided a basic understanding of human behavior, environmental concerns and policy issues which impact outdoor recreation systems. Students are prepared for employment in various regional, county and state park agencies. In addition, federal agencies such as the U.S. Forest Service, the Bureau of Land Management, the National Park Service, and private outdoor recreation organizations offer potential employment for outdoor recreation students.

Therapeutic Recreation. This area of emphasis is designed to prepare students for work with groups exhibiting special societal needs. These special populations include youth and adult criminal offenders, substance abusers, the mentally retarded, mentally ill, physically handicapped or physically disabled groups. Career placements in this area typically include the following: school settings, urban park and recreation departments, correctional facilities, rehabilitation programs, and gerontological and adult development centers.

Tourism and Commercial Recreation. This emphasis provides a broad based academic approach to the tourism and commercial recreation field that features economic, social, environmental, and policy issues at the state, regional, national, and international levels. By focusing on both conceptual and practical aspects in the tourism/commercial recreation industry, this emphasis endeavors to familiarize the student with cur

rent professional problems and opportunities National and international career placements and settings include state and national offices of tour ism, visitors and convention bureaus, airlines, ho tels and resorts, commercial recreation agencies, transportation services, and tourism consulting es tablishments.

Urban Recreation. This area of emphasis is de signed to provide the student with the competen cies necessary to function in leadership, supervi sory, and administrative positions within a variety of community, leisure, and human service agen cies. Agency settings include park and recreation departments, public human service agencies, community service departments, regional and county park and recreation departments, and quasi public service agencies.

Youth Agency Administration American Humanics. This concentration prepares students to serve with professionals in the field of voluntary youth and human service agency management. This includes agencies such as Boy Scouts of America, Girl Scouts of the USA, Big Brothers/ Big Sisters, 4 H, Camp Fire, Boys Clubs of America, Girls Clubs of America, United Way, YMCA, YWCA, Junior Achievement, American Red Cross, and numerous other youth and human service agencies. Academic course work in the areas of fund raising, volunteerism, agency management, and administration is supplemented with a cocurricular program. This program is aug mented by current agency professionals who offer workshops, seminars, field trips, and cooperative education experiences This emphasis is one of 14 nationally select youth agency administration programs affiliated with American Humanics, Inc., the nation's largest not for profit educational organization committed to the training and job placement of students within this career field. The Arizona State University American Human ics Program is annually ranked among the top fourteen programs in the United States. Successful completion of the program results in national certification for qualified students.

Additional Department Requirements. 200 hours of recreation leadership experience are re quired prior to doing Senior Internship (REC 463). Students are not permitted to take additional course work during the Senior Internship place ment period.

A student must attain a grade of "C" or better in all courses within the major including the re lated area. Specific courses which may be used to fulfill the related requirements are listed in a bro chure available in the department.

LEISURE STUDIES

REC 120 Social Psychology of Play. 3 F, S
An ntroduct on to the psycho og ca socia and cu tural foundat ons of p ay and e sure behav'or *[Satisfies Gen eral Studies Requ rement SB]*

150 Outdoor Pursuits. (3 F, S
Theories and practica app cat ons re ated to outdoor rec reat on pursu ts Interd sc p nary approach to w derness issues and ph osoph es, cu m nat ng n an outdoor experi ence F e d trip requ red

160 Leisure and Society. 3) F S
Ana ys s of the human re ationsh p to e sure H stonca survey of ph osoph ca psycho og ca and soc oeconom c bases for deve opment of systems that prov de e sure programs *[Satisfies General Studies Requirement· SB]*

210 Leisure Delivery Systems. (3) F S
Systematic study of de very of e sure serv ces n pub c, commerc al and ndependent sectors· part cular emphasis p aced on the urban sett ng Prerequ s tes REC 160, Rec reation major or premajor

300 Fund Raising. 3 F
Methods techn ques and d'rected exper ence in fund rais ing for voluntary youth and human serv ces agenc es Budget contro and accountab ty

305 Introduction to Travel and Tourism. (3 F S, SS
An exam nat on of the components of the trave and tour sm ndustry at the state, nat onal and g obal eve s

310 Volunteerism. 3 F
Adm n strat on of vo unteer serv ce programs. Study and ana ys s of the vo unteer personnel process

320 Youth and Human Service Workshop. (1 F, S
Forum for exchange between students and profess onal agency personnel Var ab e top cs, guest speakers. Pre requ s te: nstructor approva

330 Theory and Principles of Recreation Programming. (3 F S
Foundations for effect ve program p ann ng Theory and princip es re ated to var ed sett ngs and types of act v ty Formal p ann ng process Prerequ s tes REC 210 Rec reation major

340 Outdoor Survival. (3) F S
Interd'sc p nary approach to outdoor surv va , nc ud ng at t tudes, psycho og ca stress phys o og ca stress prepa rat on hypothermia, nav gat on, flora and w ld fe Fie d tr ps required.

360 Recreation Resource Management and Policy. (3) S
Management and dec s on mak ng n recreat on resource agencies Po cy ana ys s and use confl cts Prerequ site Recreat on major

364 Recreation for Special Populations. 3) F, S
Concepts methods, sett'ngs nvo v ng recreat ona serv ices as app ed to spec a groups n American soc ety; e.g , youthful and adu t offenders, a coho cs drug add cts menta y retarded menta y and phys ca y hand capped May nc ude fie d exper ence

370 Outdoor Recreation Systems. 3) F
Introduct on to outdoor recreat on resource de very sys- tems h story of w derness and outdoor recreation re sources; the ro e of outdoor recreation in society outdoor recreat on agenc es, re ated env ronmental ssues Pre- requ s te. junior stand ng or nstructor approval

372 Tourism Destination Development. (3) F
Appl cat on of economic and reg ona deve opment con cepts/theories to destination product deve opment Pre requisite. Recreat on major

380 Outdoor Education. 3 F, S
Ut zat on of the outdoors to fac tate earn ng and enjoy ment of the natura env ronment Techn ques of organ z ng outdoor educat on programs Off campus weekend re qu red.

400 Therapeutic Recreation. 3 S
Pr nc p es pract ces of program development, eva u at ons profess ona ro es and support serv ces related to therapeut c recreat on serv ce Off campus abs. Prerequ s tes REC 364 Recreat on major

420 American Humanics Institute. (1 F S
M n ntens ve nat ona management inst tute for voluntary youth and human serv ce agency personne Out of state conference requ red Prerequis te. nstructor approval.

430 Youth Agency Administration. 3 S
Analys s of adm n strat ve structure dec s on mak ng and program de very w th n vo untary youth and human serv ce agenc es.

440 Areas and Facilities. 3 S
Pub c pnvate and commerc a recreat on areas and fac t es Survey of design funct on aesthet cs and relat on sh ps.

450 Recreation and Aging. 3) F
Organ zed recreation serv ces and fac t es for the aged Soc oeconom c cons derat ons affect ng de very of com prehens ve e sure serv ces to the e der y. Off campus aboratory Prerequ s te nstructor approval.

458 International Tourism. (3 F S
A g oba exam nat on of nternat ona tour sm and ts s g n f cance as a veh c e for soc a and econom c deve opment. *[Satisf es General Studies Requirement G]*

460 Issues in Therapeutic Recreation. (3) S
Contemporary prob ems ssues confront ng the therapeu t c recreat on fie d profess ona deve opment, programs and serv ces eg s at on ph' osoph ca and research s sues Off campus aborator es. Prerequ s tes REC 364, Recreat on major

462 Administration of Leisure Services. (3) F S
Bas c princ p es of adm n strat on and the r appl cat on to successfu adm n strat on pract ces *Analys s of adm n s* trat ve function structure and po c es Prerequ s tes REC 330, Recreat o major

463 Senior Internship. 6 or 12 F, S, SS
Superv sed gu ded experience in se ected agenc es. Pre requ s tes REC 462; sen or stand ng; Recreat on major.

500 Research Methods. 3 S
ntroduct on to recreat on research methods with empha s s on methodo og ca quest ons, research ssues and techn ques re evant to contemporary soc al research.

540 Recreation Services for the Aged. 3) S
An app ied or entat on to the soc a psycholog ca theories of recreat on and the aged

552 Philosophical and Current Issues in Leisure. (3 F
An ana ysis of fundamenta phi osoph ca concepts and contemporary ssues and prob ems confront ng the leisure serv ces profess on

555 Social and Psychological Aspects of Leisure Behavior. (3 F
An emp rica and theoret ca ana ys s of soc a , cu tura and psycho og ca foundat ons of leisure behav or.

558 Integrative Seminar. 3 F S
Advanced exp oration and assessment of current trends w th n the e sure stud es' f eld. Th s course has var ab e top cs nc ud ng but not im ted to cross cu tural ana ys s of leisure, urban recreat on p anning and resources, so ciocu tura d mens ons of tour sm deve opment w derness management Prerequ s te REC 552.

569 Commercial Recreation and Tourism. 3 F
Procedures n determ n ng pub c needs, n tiat ng enter prises promot ng act v ty and eva uat ng the tota project n terms of both propr etor and the pub c

570 Outdoor Recreation Planning. 3 S
P ann ng for admin strat ve duties n var ed recreation set t ngs. Prerequ s te REC 370 or equ va ent

Special Courses: REC 294 298, 484, 492 493 494, 497, 498, 499 500 580 584, 590 591, 592 593 598, 599, 691 See pages 43–44

School of Public Affairs

PROFESSORS:
CAYER (WILSON 211) BECKER, DANEKE
HALL, MONT EL, MUSHENO, MUSHKATEL
PERRY, WESCHLER, WIGAND

ASSOCIATE PROFESSORS:
BROWN, MANK N McCLAIN, NIGG
PIJAWKA, WILSON

ASSISTANT PROFESSOR:
HERZIK

LECTURER:
DeBOLSKE

PROFESSOR EMERITUS:
SACKTON

The faculty in the School of Public Affairs offer a graduate program leading to the professional degree, *Master of Public Administration* (M.P.A.) The M P.A. program has been recognized to be in conformity with standards developed by the National Association of Schools of Public Affairs and Administration. The faculty also participate in the interdisciplinary degree program leading to the Doctor of Public Administration. Consult the *Graduate Catalog* for information about these programs. The basic aims of the school are:

1. To offer professional education programs leading to graduate degrees in Public Admini stration and to encourage mid-career education for public administrators by offering eve ning course work at the Arizona State Uni versity main campus, the ASU Downtown Center and the state government complex.
2. To maintain a research program designed to identify problems, disseminate information, and propose solutions to major public prob lems.
3. To provide a high level of public service in meeting needs in Arizona and the nation.

Center for Urban Studies

The Center for Urban Studies (CUS) is an inter disciplinary research and service unit of the School of Public Affairs which seeks to promote the analysis and understanding of urban systems. Center studies are directed at improving the effec tiveness, efficiency, responsiveness, and equity of urban decision making. To meet its goals, the center undertakes research, conducts workshops, and provides technical assistance both for local governments and citizens. The center is a commu nity resource.

The center is organized to conduct high quality interdisciplinary research that is useful for public problem solving. The divisions and major foci of the center are the Advanced Public Executive Program (APEP), Division of Field Research, and the Division of Policy Analysis and Evaluation.

The demand for CUS services from state, local, and community groups has been substantial Past studies have included those on the evaluation of social service delivery; housing investment pat terns; crime and police services; problems and programs of the elderly, community sentiment about governance; assessment of governmentally provided health systems; and evaluation of the impact of shifts in national domestic policy on lo cal governments, nonprofit organizations and citi zens.

Advanced Public Executive Program (APEP). APEP is designed to provide the public sector ex ecutive with analytical approaches and skills that will help mobilize ideas, people, and resources in support of public programs. To meet these objec tives, APEP uses interdisciplinary faculty teams to provide a series of short courses, seminars, and other training devices to help public managers become more effective and efficient.

Division of Field Research. This division has the capability of applying techniques of field re search to local public policy and organization is sues.

Division of Policy Analysis and Evaluation. This unit focuses on the analysis of significant public policy problems and issues, with an em phasis on providing public-sector decision makers with high quality decision-relevant information

Morrison Institute for Public Policy

Created by a grant from Marvin and June Morri son in 1981, the institute acts as a liaison among government officials, university faculty, and the private sector to identify and provide analysis of timely public-policy issues. In fulfilling this role, Morrison Institute conducts descriptive and origi nal research, conferences, consultations, and pro duces publications on a wide range of topics in cluding urban growth, natural resources, educa tion, government systems, health care, social services, the quality of life, and economic devel opment. The institute also sponsors a Legislator's Institute annually and is active in providing re search for city and state Town Hall projects.

Office of Hazards Studies

This unit conducts hazards research in the social and policy sciences. Its goal is to encourage interdisciplinary research in the hazards field in the social, biological, physical, and engineering sciences.

Activities include working with public agen cies to identify needs in hazards management and provide technical assistance. The unit has also established a working paper and technical report series to be made available to researchers and public sector users.

Publications Division

The division is a resource unit created to encour age faculty research on current topics of public interest through its publications program. Its pur pose is the dissemination of research on public policy and public administration to academics, public managers, officials, and concerned citi zens, with a focus on issues of special importance to Arizona.

The program publishes policy, research, and management papers, and a semiannual newsletter on the activities of the School of Public Affairs. The division also supports the other research units of the school by publishing their work or provid ing technical assistance.

PUBLIC AFFAIRS

PAF 500 Research Methods I. (3) F S
Presentat on of mu t var ate statist cs, computer app ica tions and ntroduct on to major research des gn ssues Prerequ s te an approved course 'n stat st cs

500 Research Methods II. (3 F S
Advanced treatment of des gn and measurement ssues w th emphas s on app ied research projects by students. Prerequ s te· PAF 500

501 Statistics in Administration. (3) F S
App cation of stat st ca methods to prob ems in f nance, personne survey and p ann ng

502 Computers in Administration. (3) N
Exper ence n use of computer techno ogy for pub c ad m nistrat on prob em so v ng

503 Organization Theory. 3 N
Organ zat on theor es and current research emphas s w th appl cat on to pub c adm n strat ve organ zat ons

504 Comparative Administration. (3) N
L terature on comparat ve pub ic adm n strat on theory. Bureaucrac es and the r mpact on the po t ca deve op ment process Se ected nat ons w be studied

505 Intergovernmental Relations. (3 N
Evo ut on growth present status and characterist cs of the U S. federa system of government Federa -state rela t ons, state oca re at ons reg ona sm *counc s of gov* ernment nterstate cooperat on grants in a d and revenue shar ng

506 Regional Cooperation, Programs and Associations. 3 N
nter and ntrastate reg ona po t cal and admin strat ve cooperat ve dev ces and bod es

507 Bureaucracy and Public Affairs I. (3) F, S
Ana yses of the conceptua and contextua elements of pub c adm n strat on and po cy

508 Bureaucracy and Public Affairs II. (3 F S
Ana yses of pub c adm n stration concepts app ied to management situat ons nclud ng personne , f nance, budget ng dec s on making and mp ementat on

509 Organization Change and Development. (3) N
Explor ng the nature and management of change and de velopment as a too to ach eve organ zat ona goals; ef fect ng p anned change

510 Governmental Budgeting. (3) F S
Legal, soc a economi c and po t ca nature of governmen tal budgets and the budgetary process Theories and so c a *consequences of budget decision mak ng and prac* t ces of budget contro

511 Governmental Finance Management. (3) A
Sources of fund ng management of funds and debts and genera pattern of expend tures n states counties cit es and d str cts Prerequ s te PAF 510

512 Public Affairs Economics. (3 A
Ro e of econom cs in pub c affairs w th examp es from transportat on, urban form R o Sa ado project housing and use f ood control, growth and aspects of energy eco nom cs.

520 Public Management. (3 A
The management process n government and pub c agenc es, w th emphas s on the execut ve eaders ı p w th n the pub c sector

521 Public Personnel Management. (3) A
H story of the c v l serv ce recru tment, se ect on, posit on and wage c ass fication, mot vat onal ana ys s, product v ty pub c un on sm and ethics in the pub c serv ce

522 Public Labor Relations. 3) A
R se of publ c union sm, managena po cy toward un on sm conf ct reso ution mpact of un on sm on budgets, personne po c es and pub c po icy

523 Public Information Systems. (3) N
Systems ana ys s concepts and theory as appl ed to ad m nistrat on. A ternative modes of nformat on organ zat on and the r mpact on pub c dec s on mak ng

524 Community Conflict Resolution. (3) N
Interd sc plinary appro ch to understand ng the dynam cs of community conf ct Strateg c cons derations n po cy des gn and advocacy, potentia react on to conf ct Re e vant models and research f nd ngs generated by both case stud es and comparative methods

525 Public Program Management. 3) A
Governmenta serv ce programm ng: formulat ng, financ- ng operat ng, eva uat ng and report ng Ana ys s of nter *agency relat onsh ps and the ro e and conduct of research* n the programm ng process

526 Public Sector Human Resource Development. 3 A
Concepts and techn ques of organ zat ona deve opment n the publ c sector nc uding staff ng, supervisor tra n ng, execut ve deve opment, resource p ann ng and employee tra n ng.

530 Management of Urban Government. 3 A
Adm n strat ve pract ces and behav or w th n the urban po t ca adm n strat ve env ronment. Funct ona areas such as c t zen partic pat on, urban p anning urban transporta t on and the conf cts between urban pol tics and adm nis trative efficiency.

531 Comparative Urban Administration. (3) N
Deve opment of urban governments w th n d fferent cul tura socia and pol t ca m lieu C t es w th n deve op ng countr es as we as n the deve oped countr es of Europe and North Amer ca

532 Urban Planning Administration. (3 A
H stor ca and present day uses of urban p anning and procedures for its mp ementat on Bas c princip es and pract ces.

533 Politics of Urban Planning. 3) A
Urban p ann ng policy ssues frequently faced by oca state and federa government Cons derat on of the rela t onsh ps between the po t ca leader, the professiona p anner and the c tizen

535 The City and County Manager. (3) A
The manager s ro e and resources n the d ffer ng forms of administrat ve, leg slat ve and commun ty sectors

540 Public Policy Analysis. (3 A
Theor es which attempt to exp a n pub c pol cy formu a- t on App cat on of socia sc ence to po cy ssues

541 Topics in Public Policy Analysis. (3 A
May be repeated for cred t Top cs may be offered from the fo ow ng:
a Ag ng
(b Art
c) Educat on Po cy
(d Env ronmental Pub c Po icy
e Hea th
f Nat onal Pub c Pol cy
g *Pub ic Safety*
h Recreat on
) Transportat on
(j) We fare

542 Science, Technology and Public Affairs. (3) N
The nfluence of sc ence and technology on governmenta po cy making sc ent sts as adm n strators and advisors, *governmenta po cy mak ng for science and techno ogy,* government as a sponsor of research and deve opment

543 Public Management of Land. (3) N
Descr pt on and ana ysis of urbanizat on processes An emphas s s p aced on the app cat on of urban theories to deve op ng urban centers, with a focus on Mar copa County

544 Preparation of Reports in Public Administration. (3) N
Intens ve pract ce n wr tten and oral presentation of re ports to conferences covered with problems n pub c ad- m n stration. V sua aid techn ques.

545 Research Data Management. (3) N
Techniques and problems associated with data management in a research environment. Data base management systems, security and integrity, accessibility and cost.

546 Data Base Management Systems in Public Administration. (3) N
Concept and use of modern data base management systems in an administrative organization. Advantages and disadvantages of this approach.

547 Program Evaluation. (3) N
Various methodologies available for the evaluation of public policies and programs.

548 Women, Politics, and Public Policy. (3) N
Explores how political philosophy, politics and public policy affect and are affected by women.

550 Survey Research in the Public Sector. (3) N
Design and implementation of survey research methods with an emphasis on public sector applications. Cross-listed as JUS 550. Prerequisites: PAF 500 and 501; or JUS 500 and 509, or equivalent; or instructor approval.

551 Urban Planning Evaluation. (3) N
Concepts, principles and methods employed by public planners in the analysis of urban problems involving multiple criteria decisions. Prerequisite: formal graduate level course work in statistics and planning.

552 Urban Housing Policy. (3) N
Comprehensive consideration of the revitalization of American cities with major emphasis upon the housing process and related institutions and services.

553 Social Impacts of Planning. (3) N
Analyzes the planning needs of various social groups in urban settings and the appropriate mechanisms of public sector planning for multiple publics.

554 Urban Growth Administration. (3) N
Examines the process of urban growth and change. Partnership roles played by public and private sectors in management is emphasized.

555 Environmental Policy and Management. (3) N
Analysis of environmental policy and planning issues and principles related to the analysis and management of natural and urban/regional resources.

556 Urban Policy Making. (3) N
Analysis of the opportunities and costs of influencing public policy and the roles of officials and bureaucracies in decision making.

560 Information Management. (3) N
Concepts and theory of information and information technology in public sector organizations.

570 Advanced Public Policy Analysis. (3) A
Course emphasizes the structure of policy problems, forecasting policy alternatives, optimizing resources and reducing uncertainty in policy making. Prerequisite: PAF 540.

591 Seminar. (1–12) F, S
Topics may be selected from the following:
(a) General Public Administration
(b) Public Finance Administration
(c) Public Management
(d) Urban Affairs and Urban Planning
(e) Public Policy Analysis
(f) Information Management
(g) Business and Government
(h) Emergency Management

593 Planning Workshop. (3) N
Practical team research and field experience. Emphasis on the synthesis of public sector planning methodologies, concepts and techniques applied to a local planning problem.

600 Research Design and Methods. (3) F
Advanced methods of research design and analysis. Prerequisites: formal graduate level course work in statistics and in research methods.

601 Seminar: Policy Analysis and Program Evaluation. (3) S
Normative and conceptual issues of policy formulation, implementation and evaluation; empirical approaches and methods of program evaluation and policy analysis.

602 Seminar: Foundation of Public Administration. (3) F
Ethical, social, legal and philosophical foundations of public administration.

603 Seminar: Organization and Behavior in the Public Sector. (3) S
Structure, organization, conduct and performance of public sector institutions in the administration of public policy. Prerequisite: PAF 602.

Special Courses: PAF 580, 584, 590, 592, 594, 598, 599, 691, 780, 783, 784, 790, 791, 792, 799. (See pages 43–44.)



School of Social Work

Jesse F. McClure, Ph. D.
Dean

Purpose

The purpose of the School of Social Work at Arizona State University is to prepare professional social work practitioners who are committed to understanding and serving those most in need of help, who are willing to devote their careers to finding the most effective methods of intervention, who place the highest values on excellence, and who take pride in their practice.

The mission of the School of Social Work is the preparation of professional social workers for clinical, administrative, and community practice focused on those populations who are most oppressed and most in need of the services social workers have to offer. A special emphasis is placed on working with ethnic minorities of the Southwest.

The school is totally committed to the university's mission to be competitive with the best public research universities in the country. Faculty members have active research agendas underway which venture into a wide variety of topics, including work with children, with drug and alcohol abusers, with the developmentally disabled, in human services planning, and many other areas of interest.

Organization

The School of Social Work has no separate departments or units. Generally speaking, curriculum planning, faculty teaching areas, and student advising tend to cluster around four programmatic areas: the Bachelor of Social Work (B.S.W.) program, the Master of Social Work—direct practice (M.S.W.—DP) concentration, the Master of Social Work—planning, administration and community practice (M.S.W.—PAC) concentration, and the Doctor of Social Work (D.S.W.) program. Some faculty teach in more than one of these programmatic areas.

Admission

Bachelor of Social Work

The Bachelor of Social Work degree program at Arizona State University is divided into the Pre-Social Work major and the Social Work major.

Pre-Social Work major consists of freshman and sophomore students who have been admitted to the university and have declared Social Work as their major, as well as students transferring to the School of Social Work from other colleges within the university and other universities or junior colleges who have not successfully completed the admission process to the program. Students transferring from other universities or community colleges as premajors should follow the procedure outlined on pages 28 and 32 of this *Catalog*. Students transferring from another college within the university must obtain a Change of College form from the School of Social Work Student Services Office, Room 137, West Hall.

Admission Procedure for Social Work Majors. (Students having 54 semester hours or more and SWU 271, 291, 310, and 301 or 331.) Students wishing to enter the Social Work major are required to apply for admission to the program in addition to obtaining an official Certificate of Admission to the university. A student is eligible to apply for admission to the Social Work major during the last semester of his/her sophomore year. It is expected that applicants will have completed 54 semester hours and the required social work courses by the end of the semester in which they are applying. Students are admitted to the major at the beginning of the term following the semester during which they applied.

Students may obtain Social Work major application packets at the School of Social Work Student Services Office in West Hall 137 or request

that they be mailed to their home address by call ing 602/965–6081.

Applicants are reviewed for admission for the fall and spring semester. Students applying must have a Certificate of Admission to the university in their files by November 1 for spring admission and February 1 for fall admission. Students should allow at least four additional weeks to process their ASU application to receive their ac ceptance All other application material (i e , ap plication form, additional statement and two let ters of reference) must be returned to the School of Social Work Student Services Office, Arizona State University, Tempe, AZ 85287 1802 by November 1 for spring admission or February 1 for fall admission. Failure to meet these deadlines may result in the applicant having to wait for the next admissions process. Applicants will be noti fied by mail of the committee's decision within five weeks following the application deadline. Those applicants who have been denied admis sion may request a conference to discuss the deci sion and obtain guidance in the development of future plans.

Criteria for Admission. Admissions are based on the following criteria:

1. Overall GPA (Grade Point Average) A minimum 2.00 cumulative grade point aver age is required.
2. A 2.75 cumulative GPA in core social work courses (SWU 271, 291, 310, and 301 or 331
3. Applicant's educational and career goals compatibility with the educational objectives of the school.
4. Prior to admission to the major it is recom mended that students have had social work experience for a minimum of 240 hours in social work related settings. Personal life experience may be substituted.
5. Two references are required for each appli cant These references should be from two persons who have known the applicant in a professional capacity.

Leave of Absence. Occasionally, for health or personal reasons, B.S W. majors find it neces sary to interrupt their studies Students consider ing such requests meet with the advisor to look at alternatives and then meet with the director of Admissions to process the request and a feasible educational plan. A student may request a leave of absence from the Social Work program for a period of one year (This applies only to the So cial Work program and not to the university. There are no leaves of absence granted from the university.) Requests for a leave of absence must be made in writing. Except when recommended by the Committee on Academic and Professional Standards, the student must be in good standing in the program at the time the request is made. Students should be aware that nonattendance at the university for one or more semesters requires reapplication to the university. Failure to request a leave of absence by B S W. majors will result in removal from the program.

Readmission. Undergraduate students (pre major and major) who have previously attended ASU but have not been enrolled at this institution for one semester or more are required to apply for readmission following university procedures as outlined in page 81. Students who were previ ously B.S W majors may, in addition, be required to reapply for major status.

Transfer Credit. Credits transferred from any accredited junior or community college will be accepted up to a maximum of 64 semester hours Community college students planning to transfer at the end of their first or second year should plan their community college courses to meet the re quirements of the Arizona State University cur riculum selected Students attending Arizona community colleges will be permitted to follow the degree requirements specified in the Arizona State University *Catalog* in effect at the time they began their community college work, providing their college attendance has been continuous.

Courses transferred from community colleges will not be accepted as upper division credits earned at Arizona State University Arizona stu dents are urged to refer to the *Arizona Higher Education Course Equivalency Guide* for trans-ferability of specific courses from Arizona com munity colleges. Copies of the guide are avail able in the Student Services Office, West Hall 137. In choosing courses at a community college, students should be aware that a minimum of 50 hours of work taken at the university must be up per division credits. While attending a commu nity college, it is suggested that students elect General Studies and lower-division courses in the major field

Direct transfer of courses from other accredited institutions to the School of Social Work will be subject to the existence of parallel and equal courses in the school's curriculum. Transfer credit is not given for courses in which the lowest passing grade ("D") or a failure grade ("F") was received. Credit for "life experience" is not given

in lieu of course requirements. A minimum of 30 semester hours earned in resident credit courses at Arizona State University is required.

Master of Social Work

Applications to the M.S.W. program are accepted from November 1 to April 1 preceding the fall semester to which the applicant is seeking admission. All applicants are reviewed for admission for the fall semester only.

Regular Admission. Applicants must be acceptable to both the Graduate College and the School of Social Work. Among other considerations for acceptance by the Graduate College, the applicant must have a grade point average of 3.00 (4.00 = A) in the last two years of work leading to the bachelor's degree. The applicant's score on the aptitude examination, the Graduate Record Examination or Miller Analogies Test, may also be considered in making decisions regarding admission.

Provisional Admission. Applicants may be granted provisional admission to the Graduate College if the Graduate College or the School of Social Work requires additional evidence of their qualifications for admission to regular status. No student may maintain provisional status indefinitely. Normally, final determination of status will be made by the time the student has completed 12 hours of approved graduate study. This classification usually applies only to the first semester. A decision is made prior to the end of the first semester regarding the student's progress. Provisional students do not enter the field until the provisional status has been removed. Otherwise, they carry the same academic load as regularly admitted students and are expected to meet the same standards for continuation in the program.

Application Procedure. The following should be submitted to the Admissions Office, Graduate College, Arizona State University, Tempe, AZ 85287-1003: the application for admissions to the Graduate College, two transcripts from each institution where the applicant has attended previously, test scores from either the Graduate Record Examination or the Miller Analogies Test.

The following should be submitted to the Admissions Committee, Graduate Program, School of Social Work, Arizona State University, Tempe, AZ 85287-1802: (1) application to the Graduate Social Work Program, (2) statement of educational and career goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the School of Social Work, and (3) three letters of reference. The reference letter forms provided by the School of Social Work must be used.

Transfer Credit. Upon recommendation of the Admissions Committee, the first year of graduate study (up to 30 graduate semester hours) earned at another CSWE accredited school of social work may be transferred toward the M.S.W. degree. A full report from the school at which the credit was obtained is required.

A maximum of nine graduate semester hours earned as an unclassified student in the ASU School of Social Work may be transferred. Up to six semester hours of prior graduate work in another ASU program or another university may transfer as elective credit if approved by the program director. A combination of credit earned as an unclassified student in other programs or universities may not exceed nine semester hours.

Consideration for acceptance of prior graduate credits must be applied for at the time of admission. The grades for all transfer credit must be a "B" or better.

Work offered toward a master's degree must be completed within six consecutive years. The six years begin with the first course included on a student's approved program of study.

Waiver Exams. The number of hours required to complete the M.S.W. degree ranges from 40 to 60 semester hours, with 60 hours representing the standard program. Admitted students may acquire credits toward the degree by: (a) transferring in credit (see policy on transfer credit) or (b) waiving up to 20 hours of foundation course work as a result of successfully passing examinations offered in April and August of the year of the student's initial entry in the graduate program. Waiver examinations are available for all foundation level courses.

With the exception of students transferring in the first year of graduate study from an accredited graduate program in social work, no student may be exempted from more than 20 hours of course work by either examination or a combination of transfer credit and examination. In the event that the student passes examinations in more than 20 hours of course work, the student will replace waived required courses with elective course work to complete the requisite 40 hours.

Part-Time Program. A limited number of students are admitted each year to a planned part-time program. Students interested in this option must specifically apply to the part-time program.

This program is completed in accordance with the plan developed. At least one academic year must be taken on a full-time basis. A maximum of one year of field education can be done by special arrangement in the agency where the student is employed

Doctor of Social Work

In general, an applicant to the program should hold a Master of Social Work degree from an accredited school of social work and have demonstrated professional growth in the practice of social work. Exceptions to this general requirement may be made for applicants with an advanced degree in a related field and exceptional practice or research experience in social work.

Admission to the D.S.W. program requires completion of all admission requirements and procedures set forth by the Graduate College and test scores from the Graduate Record Examination (verbal and quantitative). Applications are accepted up to March 1 preceding the fall semester to which the applicant is seeking admission. Students are admitted only in the fall semester

Application Procedure. The following should be submitted to the Admissions Office, Graduate College, Arizona State University, Tempe, AZ 85287 1003. the application for admissions to the Graduate College, two transcripts from each institution where the applicant has attended previously, test scores from the Graduate Record Examination.

The following should be submitted to the Admissions Committee, Graduate Program, School of Social Work, Arizona State University, Tempe, AZ 85287 1802: 1) application to the Doctor of Social Work Program, (2) statement of educational and career goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the School of Social Work, (3) examples of written work or published materials, and (4) three letters of reference. The reference letter forms provided by the School of Social Work must be used

Advisement

Bachelor of Social Work

Students are responsible for meeting the degree requirements and seeking advisement regarding their program status and progress. Upon entrance to the School of Social Work each student is assigned an advisor The advisor assists students with program planning, registration, preparation of needed petitions, verification of graduation requirements, referrals to university and or community resources, and assistance with career planning. Advisor signatures are required on university registration forms

Master of Social Work

A faculty advisor is assigned to each enrolled student at the beginning of his/her first semester of graduate work Faculty advisors are available to help students prepare a program of study to advise on academic and career decisions, and to refer to university and/or community resources to meet special needs. It is the student's responsibility to keep the faculty advisor informed on all issues which may require advisor involvement In the absence of an advisor, questions should be directed to the Student Services Office of the School of Social Work

Doctor of Social Work

At the time of matriculation, each student is assigned an advising team of two 2 faculty members. These members will be members of the Doctoral Advisory Committee and will be appointed by the dean of the School of Social Work.

The advising team has the following duties:

1. Educational planning. In light of the student's objectives, the advising team will assist in the development of the general educational plan.
2. Referral to other faculty members. The advising team will discuss research interests with the student and will refer the student to those faculty members who seem best qualified in the substantive field in which the student has an interest. Students are expected to use their own initative in developing relationships with faculty at the School of Social Work and the university at large who share their theoretical and research interests.

Degrees

Bachelor of Social Work

The school's undergraduate curriculum leads to a Bachelor of Social Work (B.S.W.) The undergraduate curriculum is designed to prepare students for beginning level social work practice and to provide preparation for graduate training in social work. It also offers social welfare content in General Studies courses for liberal arts and sciences students. During the freshman and sophomore years, students concentrate on obtaining a strong background in liberal arts and sciences and are classified as premajors until they are officially

admitted to the major Entrance into the Social Work major from the premajor is not automatic (see section on admissions).

Junior and senior Social Work majors focus on social work courses in social policy and services, human behavior in the social environment, socia work direct practice, social work research, and field instruction in community agencies In addi tion, majors take elective courses in related areas

The B.S W. level practitioner is seen as a gen eralist with certain areas of special expertise. The curriculum focuses on such roles as advocacy, re ferral, casework, and problem solving functions.

Master of Social Work

The Master of Social Work program prepares professional social workers for advanced direct practice, administrative, and community practice positions. The program puts major emphasis on preparing social workers capable of responding effectively to the needs of the special populations in the Southwest the ethnic minority groups of the region, the aged, urban and rural poor, de pendent and neglected children, the disabled, and women who are victims of poverty, discrimina tion and violence in its curriculum and its prac ticum assignments.

The M.S W program is a two year, 60 hour program which includes a foundation year and a concentration year. In the foundation year, all students complete the same course work and field education requirements In the concentration year, students select either direct practice (DP) or planning, administration and community practice (PAC)

Doctor of Social Work

The doctoral program of the School of Social Work prepares students to contribute to the field of social welfare and the profession of social work through research, teaching, and other schol arly activities.

The program seeks to broaden the student's knowledge of the field of social work and the supporting social/behavioral sciences, to deepen the student's understanding of his/her area of spe cialization, and to enable him/her to make a con tribution to that area through scholarship and re search.

Most students specialize in theory and research in social development, social treatment, or some combination of both Social development in cludes social administration, social planning, so cial policy, and community development. Social treatment includes direct practice with individuals, families or small groups.

Students may construct programs which com bine social development and social treatment, and may develop specializations in various specialization areas, e.g., child welfare, aging, mental health, medical care.

Degree Requirements

All candidates for graduation in the Bachelor of Social Work curriculum are required to present at least 126 semester hours, of which at least 50 hours must consist of upper division courses. A cumulative grade point index of 2 00 is required for graduation.

Course Load. A normal course load per semester is 15 16 semester hours The maximum number of hours for which a student can register is 18 semester hours unless an overload petition has been filed and approved by the director of the Undergraduate Program.

Overload petitions are not ordinarily granted to students who have a cumulative grade point aver age of less than 3 00 and do not state valid reasons for the need to register for the credits. Stu dents who register for semester hours in excess of 18 and do not have an approved overload petition on file will have courses randomly removed through an "administrative drop" action.

English Proficiency. Students must demon strate reasonable proficiency in written English by achieving a grade of "C" or better in both ENG 101 and ENG 102, or in ENG 105 or its equivalent. Should a student receive a grade lower than "C" in any of the courses, it must be repeated until specified proficiency is demon strated Transfer students from co leges outside Arizona should consult the Student Services Of fice in the School of Social Work, West Hall, Room 137, to assure completion of this require ment.

Undergraduate Student Enrollment in Graduate Classes. Undergraduate students at Arizona State University in their senior year n ay enroll in a maximum of six graduate credits in the School of Social Work, providing they have an overall GPA of 3.00 or higher at the time of enrollment and have secured the required sig natures for approval. If the course is not used to meet an undergraduate graduation requirement, it may be eligible for use in a future graduate pro gram on the same basis as work taken by a nonde gree graduate student

Field Instruction. Field instruction for the B.S.W program is offered concurrently with classroom study. Students are assigned to a social service agency and work under the supervision of an experienced professional. The vital interaction reinforces the student's learning. It permits testing theory in practice and gives experience base to class discussions. Qualified agencies in several Arizona communities are utilized for field instruction increasing the range and variety of settings available. The field instructor is generally a professional staff member of the agency who is interested in social work education and is willing to devote time to the educational program.

B.S.W. students do a full year in one placement. In assigning the placement, the school takes into account the student's educational needs and career goals. Professional social workers need to be familiar with the methods of working with individuals, families and groups as well as in organizations and communities and with all ages and ethnic groups. The faculty are committed to establishing the capabilities necessary for high quality social work practice.

B.S.W. field instruction agencies are located primarily in the Phoenix metropolitan area. Specially arranged, more distant placements may require up to a two hour drive. Although car pools are possible, personal transportation is strongly recommended while attending school.

Bachelor of Social Work

Requirements for the Bachelor of Social Work degree:

	Semester Hours
Communication Requirement	6
General Studies Requirement	47
Social Work Core Requirement	45
Related Social Work Requirement	16
Electives	12
Total	126

Communication Requirement

ENG 101 3 semester hours
ENG 102 3 semester hours
or
ENG 105* 3 semester hours (See statement on English proficiency, page 39.)

* Those students taking ENG 105 must complete three additional hours in any subject to total 126 semester hours for graduation

Social Work Core Requirement

			Semester Hours
	SWU 271	Introduction to Social Work	3
	SWU 291	Community Resources	3
	SWU 301	Human Behavior in the Social Environment I	3
	SWU 310	Social Work Practice I	3
	SWU 331	Social Policy and Services I	3
	SWU 402	Human Behavior in the Social Environment II	3
*	SWU 410	Social Work Practice II	3
*	SWU 411	Social Work Practice III	3
	SWU 412	Field Instruction	5
*	SWU 413	Field Instruction Seminar I	1
*	SWU 414	Field Instruction II	5
*	SWU 415	Field Instruction Seminar II	1
	SWU 420	Practice Oriented Research	3
	SWU 432	Social Policy and Services II	3
	SWU 474	Ethnic Cultural Variables in Social Work	3
	Total		45

SWU 412 and 414 each require 16 hours weekly per semester in the field. Students must have an application for field work before registration for the courses

* Majors only.

No credit will be granted toward fulfilling major core requirements in any course in the student's major unless the grade in that course is at least a "C."

Related Areas ..... 16 semester hours

Although the practice model of the program is a social work generalist, related areas and electives offer students opportunity to pursue their interests in special areas of service. Students are urged to consult their advisors for specific course suggestions.

Electives ..... 12 semester hours

In order to fulfill the university requirement of 126 semester hours for graduation, the student may take the 12 semester hours of electives at the School of Social Work or other departments within the university. Students are encouraged, in consultation with their advisor to use these elective courses to supplement their particular area of concentration suggested under related areas. Economics, education, psychology, and sociology are only a few of the academic units offering a specialized knowledge of value to the professional social work practitioner.

General Studies Requirements

To meet university General Studies requirements and to assure breadth and depth to the student's education, all Social Work students must complete a total of 47 semester hours of General Studies courses with the designated minimum semester hours in each of the following General Studies core areas. Students may choose the requirements for the *Catalog* under which they entered the university or the following:

	Semester Hours
* *Literacy and Critical Inquiry*	6
* *Numeracy*	6
Required: A course in statistical analysis.	
* *Humanities and Fine Arts*	6
* *Social and Behavioral Sciences*	21
Required:	
SOC 101 Introductory Sociology	3
or SOC 301 Principles of Sociology (3)	
SOC 341 Modern Social Problems	3
POS 110 Government and Politics	3
or POS 310 American National Government (3)	
ECN 111 Macroeconomic Principles	3
or ECN 112 Microeconomic Principles (3) or FAS 354 Consumer Economics (3)	
PGS 100 Introduction to Psychology	3
HIS (topical, indigenous series) (e.g., 362, 364, 367, 368, 369, 370, 371, 380, 422, 424, 425, 426, 428, 430)	3
FAS 331 Family Relationships	3
* *Natural Sciences*	8
Total	47

* For requirements in this area see pages 50–53, General Studies Requirement.

General Studies courses are regularly reviewed. To determine whether a course meets one or more General Studies course credit requirements, see the listing of courses, pages 54–80. General Studies courses are also identified following course descriptions according to the following key.

Global/Historical Awareness. A minimum of one course must be taken for each awareness area. Course may concurrently satisfy a requirement in the General Studies core area. For a complete listing of courses which satisfy this area, contact Student Services, West Hall, Room 137.

Key to General Studies Credit Abbreviations

L1	Literacy and Critical Inquiry Core Courses (Intermediate level)
L2	Literacy and Critical Inquiry Core Courses (Upper division)
N1	Numeracy Core Courses (Mathematics)
N2	Numeracy Core Courses (Statistics and Quantitative Reasoning)
N3	Numeracy Core Courses (Computer Applications)
HU	Humanities and Fine Arts Core Courses
SB	Social and Behavioral Science Core Courses
S1	Natural Science Core Courses (Introductory)
S2	Natural Science Core Courses (Additional Courses)
G	Global Awareness Courses
H	Historical Awareness Courses

Master of Social Work

The standard program consists of 60 hours including both classroom instruction and field practicum. It is divided into a foundation year (core curriculum) and a concentration year. During both years, students spend two days a week in a practicum setting. The foundation curriculum is the same for all students and must be completed prior to entering the concentration year. The following are the required foundation courses:

	Semester Hours
SWG 501, 502 Human Behavior in the Social Environment I, II	6
SWG 510, 511 Direct Practice I, II	6
SWG 520 Practice-Oriented Research	3
SWG 531 Social Policy and Services I	3
SWG 533 Ethnic Minorities and Social Work	3
SWG 541, 542 Field Practicum I, II	6
SWG 580 Community and Organizational Change	3
Total	30

In the second year students concentrate in either direct practice or planning, administration and community practice. Six to nine hours of electives are available for students either to take additional hours in their concentration or to increase knowledge and skill in such areas as health, mental health, family and child welfare, or aging.

The following are required concentration courses.

Direct Practice

		Semester Hours
SWG 606	Psychopathology	3
Two of the following three courses		6
SWG 610	Social Work with Individuals	3
SWG 611	Social Work with Families	3
SWG 612	Social Work with Groups	3
SWG 620	Research Methods in Social Work	3
SWG 621	Integrative Seminar	3
SWG 632	Social Policy and Services II	3
SWG 641, 642	Advanced Practicum/Direct Practice I, II	6
Electives		6
	Total	30

Planning, Administration and Community Practice

		Semester Hours
SWG 622	Community Research in Social Work	3
SWG 623	Agency Research in Social Work	3
SWG 632	Social Policy and Services II	3
SWG 643, 644	Advanced Practicum Planning/ Administration and Community Practice I, II	6
SWG 680	Program Planning in Social Services	3
SWG 681	Social Work Administration or SWG 682 Community Practice	3
Electives		9
	Total	30

Electives may be selected from offerings at the School of Social Work or courses offered through other departments with the approval of student's advisor. The total semester hours for each concentration equals 30.

Field Education. Every student is assigned to a field education placement in both the foundation and concentration years. Field education requirements include sixteen hours per week for a total of 240 per semester under the supervision of an experienced and certified social work professional. Field experiences are designed to be consistent with course work at the foundation and concentration levels.

Field education placements are made in what is considered to be the best educational interests of the student and may require a considerable amount of travel. For this reason, it is necessary that M.S.W. students have a car available for use for their field placement.

Doctor of Social Work

Completion of the program will require at least 39 semester hours of course work beyond the master's degree and a minimum of 15 semester hours for the dissertation. Each student will complete all core requirements, statistics (six hours), research methods (six hours), social work seminars (12 hours), directed electives (15 hours), comprehensive examinations, and dissertation (15 hours). In addition, based on an educational assessment by the Doctoral Advisory Committee a number of "leveling" courses may be required to bring the student to an acceptable level of specific knowledge.

The following are the core requirements:

		Semester Hours
SWG 720	Research Issues in Social Work Practice	3
SWG 721	Empirical Social Work Practice	3
SWG 722	Integrative Research Seminar	3
SWG 740	Philosophy of Science Issues in Social Work	3
Research Methods		6
Statistics		6
	Total	24

The remaining 15 semester hours will be negotiated by the student and his/her advisory committee and will reflect the student's short and long term career interests. It is expected that in most instances these courses will be taken in other schools or departments within the university.

Graduation Requirements

Social Work majors must file an undergraduate program of study for graduation within the semester they earn their 87th credit. A minimum of 126 semester hours, a minimum of 50 semester hours in upper division courses, a minimum of 480 hours in field education, and a minimum grade point average of 2.00 are required for graduation with a Bachelor of Social Work degree. To be acceptable as graduation credit, all course field work in the major must show an earned grade of "C" (2.00) or higher.

In order to qualify for graduation from the M.S.W. or D.S.W. program, a student must have an overall grade point average of 3.00, with no grade below a "C" in any required course.

Comprehensive Examinations. Arizona State University requires a comprehensive exam

nation for graduation in all professional master's programs that do not have a thesis requirement. All Social Work students must pass a comprehensive examination, administered by the School of Social Work, prior to graduation.

Academic Standards

In order to remain in good academic standing, the student must maintain an overall GPA of 2.00 (B.S.W.) and 3.00 (M.S.W.) at the end of each semester. Most courses in the program are sequential; successful completion of the prior course in the sequence is required to enroll in the following course. Students may not enroll in any second-year required courses until all foundation courses have been successfully completed.

Retention and Disqualification

The following policies govern retention and disqualification:

1. A student must maintain a cumulative grade point average of 2.00 (B.S.W.) and 3.00 (M.S.W.) overall. A student is placed on probationary status automatically when:
   a. the GPA is less than the minimum at the end of any semester;
   b. a grade is "D" or "E" in any major core requirement, regardless of GPA.

   Students may also be put on probation for *reasons other than grades.*

   Probationary status shall require completion of a plan—written and signed by student and advisor—with copies for student, advisor, program director, field director, and file which indicates when and how deficiencies will be made up. This plan must contain a provision to bring the GPA up to minimum standards by the end of the succeeding semester, or at completion of 12 hours of letter-graded course work, whichever comes last. *Probationary students may be denied registration* in the absence of such a plan.

   Once a Social Work student is on academic probation, he/she remains in that status until the grade point index reaches the retention level (2.00 [B.S.W.] and 3.00 [M.S.W.] overall) or until he/she is disqualified from the university.
2. A student shall be terminated from the program under any one of the following circumstances:
   a. failure to carry out the plan developed during a probationary semester;
   b. an "E" grade (failure) in field practicum;
   c. lack of acceptance of/acceptance by three or more field agencies if, in the judgment of faculty and field staff, the placements can provide appropriate field experiences without undue inconvenience to the student;
   d. lack of adherence to professional expectations and standards (see University Code of Conduct, NASW Code of Ethics, and CSWE Curriculum Policy Statement);
   e. a student who appears to lack the degree of physical and/or mental health necessary to function successfully as a social worker may be required to take a medical examination and make the results available to the Committee on Academic and Professional Standards of the School of Social Work. The responsibility for reviewing and determining the qualification of students whose behavior and/or performance are in question is vested in the Standards Committee. The committee's decision may require the dismissal or disqualification of a student from the program.
3. A disqualified student who desires to be reinstated may submit an application for reinstatement. A disqualified student normally will not be reinstated until at least one semester has elapsed from the date of disqualification. The burden of establishing fitness is on the disqualified student, who may be required to take aptitude tests and submit to other examinations before being readmitted.
4. While students are subject to the general retention policy, they are evaluated in the school on broader criteria than mere academic average. Students are reviewed for evidence of competency for social work and are continuously evaluated as they progress in the program. Prospective Social Work candidates who do not meet the established criteria are guided toward a program that is compatible with their interests and abilities.

Appeal Procedures

Students who feel they have been unjustly treated in academic or other matters relating to their career as students may appeal by following the guidelines set forth in the *Policy and Procedures Manual* for the School of Social Work, available in the Student Services Office, West Hall 137.

Student Responsibilities

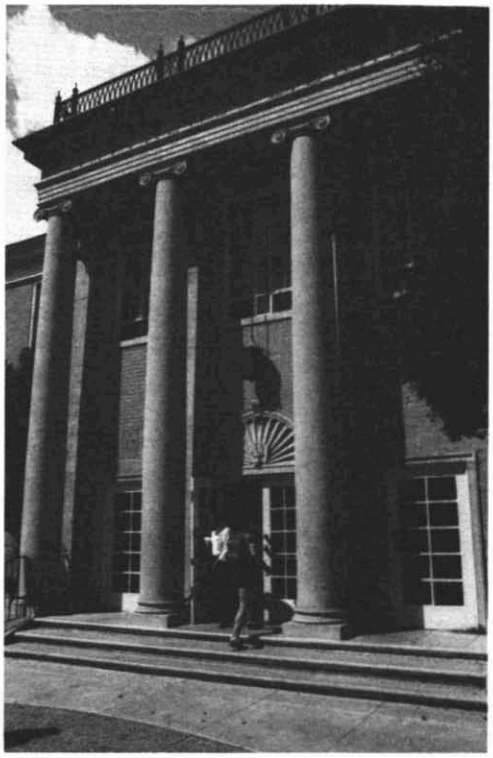
Students are expected to support and maintain the highest professional standards as spelled out in the Arizona State University *Code of Conduct* and the *National Association of Social Workers Code of Ethics*.

Regular attendance is expected in all classes and in field education and is a critical factor in evaluation of performance.

Students' rights are protected through appeal to the Committee on Academic and Professional Standards or through consultation with the departmental ombudsperson.

Special Programs

Tucson Component. The School of Social Work offers the full foundation year (30 hours) and some concentration year courses in Tucson. Students are required to commute to Tempe during both semesters of their concentration year. Every effort is made to schedule courses so that only one day per week is required for travel, but it is possible that two days of travel may be required to meet specialized student requests or needs.



Social Work

PROFESSORS:
McCLURE (WEST HALL), COUDROGLOU, DALEY, HUDSON, KETTNER, LEWIS, MacEACHRON, MORONEY, WONG

ASSOCIATE PROFESSORS:
BROWN, ENGELHARDT, FAUSEL, LeCROY, LEYBA, MAGEL, MONTERO, NICHOLS, WOODMAN

ASSISTANT PROFESSORS:
ANGULO, APPLEWHITE, ASHFORD, LIE, McMURTRY, NETTING, NICHOL S-CASEBOLT, SCHILIT, WILSON

PROFESSORS EMERITI:
ALDRIDGE, BRAND, CRANMER, HARWARD, HILL, LUNDBERG, POLENZ

SOCIAL WORK (SWU)

SWU 271 Introduction to Social Work. (3) F, S
Analysis of contemporary social welfare services and professional social work. Designed for freshmen/sophomores considering this major. Prerequisites: PGS 100; SOC 101.

291 Community Resources. (3) F, S
Purpose, structure and delivery system of community welfare agencies. Includes 40 hours observational experience in local agencies. Pre- or corequisite: SWU 271.

301 Human Behavior in the Social Environment I. (3) F, S
Introduction to interrelation of bio-psycho-sociocultural systems and their effect on behavior focused on Southwestern ethnic and cultural groups. Prerequisites: PGS 100; SOC 101. *[Satisfies General Studies Requirement: SB]*

310 Social Work Practice I. (3) F, S
Introduction to social work methods, emphasizing communicative skills: role-playing, video training, cross-cultural interviewing, communication patterns and recording. Prerequisites: SWU 291, 301.

331 Social Policy and Services I. (3) F, S
History, philosophy and values of social welfare; function and role of social welfare in society; development of the social work profession and practice. Prerequisites: junior standing; SWU 291. *[Satisfies General Studies Requirement: H]*

402 Human Behavior in the Social Environment II. (3) F, S
Sequel completing study of life span development and behavior which forms base for social work practice. Prerequisites: senior standing; SWU 301. *[Satisfies General Studies Requirement: SB]*

410 Social Work Practice II. (3) F, S
Introduction to social work methods; major areas of knowledge values and skills basic to the Social Work helping process focused on individuals, small groups and community. Prerequisites: Social Work major; SWU 310. Corequisites: SWU 412, 413.

411 Social Work Practice III. (3) F, S
Applications of theoretical frameworks to social work practice at individual, family, group and community levels. Prerequisites: Social Work major; SWU 410. Corequisites: SWU 414, 415.

412 Field Instruction I. (5) F, S
Sixteen hours a week of supervised practice in an approved placement and 1½ hours a week field seminar. Prerequisites: Social Work major; SWU 310. Corequisites: SWU 410, 413.

413 Field Instruction Seminar I. (1) F, S
Field-focused seminar, 1½ hours a week. Corequisites: SWU 410, 412.

414 Field Instruction II. (5) F, S
Sixteen hours a week of supervised practice in an approved placement and 1½ hours a week field seminar. Prerequisites: Social Work major; SWU 410, 412, 413. Corequisites: SWU 411, 415.

415 Field Instruction Seminar II. (1) F, S
Field-focused seminar, 1½ hours a week. Corequisites: SWU 411, 414.

420 Practice-Oriented Research. (3) F, S
Application of scientific principles to field practice, problem formulation, intervention procedures and impact assessment. Prerequisite: an approved course in data analysis techniques or equivalent. Corequisite: SWU 412, 414 or instructor approval.

432 Social Policy and Services II. (3) F, S
Contemporary social, political, and economic issues. Special emphasis on poverty and inequality in the Southwest. Analysis and development of social welfare policies and programs. Prerequisites: senior standing; SWU 331.

474 Ethnic/Cultural Variables in Social Work. (3) F, S
A basic conceptual approach to understanding ethnic/cultural variables of Southwestern ethnic minorities and how these factors intervene in social work practice. Prerequisite: SWU 331 or instructor approval.

Special Courses: SWU 484, 494, 498, 499, 590. (See pages 43–44.)

SOCIAL WORK (SWG)

SWG 501 Human Behavior in the Social Environment I. (3) F
Examines human development through the life span and the behavior of individuals and families in transactions with their environments.

502 Human Behavior in the Social Environment II. (3) S
A study of the major theoretical approaches to the understanding of individual development within a diverse sociocultural environment. Prerequisite: SWG 501.

510 Direct Practice I. (3) F
Basic social work methods with an emphasis on the problem-solving process as it pertains to individuals, families and small groups.

511 Direct Practice II. (3) S
Continuation of interventive techniques with individuals, families and small groups. Prerequisite: SWG 510.

520 Practice-Oriented Research. (3) S
Accelerated course in application of scientific principles to field practice, problem formulation, intervention procedures and impact assessment. Prerequisites: Social Work major; an approved course in statistics.

531 Social Policy and Services I. (3) F
Conceptual, analytical and historical perspectives on the social welfare institution. Emphasis on poverty and inequality. Principles of policy analysis.

533 Ethnic Minorities and Social Work. (3) S
Explores ethnic/cultural variables significant to Southwestern ethnic minority populations and ways in which these factors affect social work practice.

541 Field Practicum I. (3) F, S
With SWG 542, two consecutive semesters (480 hours) of supervised social work practice in an approved placement. Pre- or corequisite: SWG 510.

542 Field Practicum II. (3) F, S
See SWG 541. Pre- or corequisite: SWG 511.

580 Community and Organizational Change. (3) F
Examines communities and human service organizations as social systems. Introduces strategies for initiating planned change.

591 Seminar. (1–3) F, S
Courses offered in specialized areas.

605 Substance Abuse. (3) N
Psychological and sociocultural determinants of substance abuse. Overview of social policies and treatment approaches. Prerequisite: SWG 502 or instructor approval.

606 Psychopathology. (3) N
Theories and concepts of mental health and illness. Attention to the development of environmental, interpersonal, psycho-social, stress factors in human behavioral dynamics. Prerequisite: SWG 501 or instructor approval.

608 Cross Cultural Aspects of Aging. (3) N
Aging in context of culture and ethnicity, comparative analysis selected modern and traditional populations. Implications for practice with minority aged. Prerequisite: SWG 502 or instructor approval.

610 Social Work with Individuals. (3) F, S
Advanced theory and practice applications of knowledge and skill to social work with individuals. Prerequisite: SWG 511.

611 Social Work with Families. (3) F, S
Advanced theory and practice applications of major family system approaches to changing or preventing family dysfunction. Prerequisite: SWG 511.

612 Social Work with Groups. (3) S
Advanced theory and practice applications of knowledge and skill to social work with groups. Prerequisite: SWG 511.

614 Social Work With Reconstituted Families. (3) N
Analyzes the psycho-social dynamics of families disrupted by divorce, separation, or death of a parent. Offers differential social work interventions. Prerequisite: SWG 511 or instructor approval.

620 Research Methods in Social Work. (3) F
Conceptual foundations and methods of nomothetic research in social work. Includes problem identification, hypothesis formulation, measurement, sampling and experimental design. Prerequisite: SWG 520.

621 Integrative Seminar. (3) S
Explores the fit between theoretical frameworks and practice with clients. Requires presentation of empirical studies with clients. Prerequisite: SWG 620. Corequisite: SWG 641 or 642.

622 Commun ty Research in Social Work. 3 F
App cat on of research des gn techn ques to assess ng need and measur ng eff c ency and effect veness of com mun ty w de programs Prerequ s te SWG 520 Corequ s te SWG 680

623 Agency Research in Social Work. 3 S
App cat on f research des gn techn ques to data co ec t on n human serv ce agenc es nc ud ng use of stat st ca ana ys s for program eva uat on Prerequ s te SWG 622

624 Program Evaluation in the Human Services. 3 N
Deve opment of understand g and sk n the conduct of program and project eva uat on Prerequ s te SWG 620 or nstructor approval

632 Social Policy and Services II. 3 S
Deve opment of advanced know edge and sk s n soc a we fare po cy ana ys s po cy formu at on and advocacy and ntervent on for po cy change Prerequ s te SWG 531

634 Child Welfare Law. 3 N
Prov des soc a workers w th know edge of bas c ega pr nc p es and procedures w th empha s on fam y re ated ssues and ch dren s r ghts Prerequ s te SWG 531 or n structor approva

635 Community Mental Health. 3 N
The em na exam nes theory deve opment n commun ty menta hea th pract ce w th nd v dua s groups and com mun t e as we as the nkages among these e ements. Prerequ s te SWG 531 or nstructor approva

641 Advanced Practicum: Direct Practice I. 3 F S
W th SWG 642 two consecut ve semesters 480 ho rs of superv sed soc a work pract ce n an approved p acement re ated to the student s career goa Prerequ s tes SWG 541, 542 Pre or corequ s te SWG 610 611 or 612

642 Advanced Practicum: Direct Practice II. 3 F S
See SWG 641 Prerequ s tes SWG 541 542 Pre or corequ s te SWG 610 611 or 612

643 Advanced Pract cum: Planning, Soc al Work Administration and Community Practice I. 3 F S
W th SWG 644 two consecut ve semesters 480 hours n soc a work pract ce n an approved p acement re ated to the student s career goa Pre or orequ s tes SWG 541 542 680.

644 Advanced Practicum: Planning, Social Work Administration and Community Practice II. 3 F S
See SWG 643 Pre or corequ s te SWG 681 or 682

680 Program Planning in Social Services. 3 F
The soc a serv ces p ann ng process nc udes needs as sessment goa s and object ves program des gn budget ng management nformat on systems and program eva u at on Prerequ s te SWG 580

681 Social Work Administration. 3 S
Adm n strat ve sk bu d ng and theory app cat on w th n human serv ce nonprof t soc a work sett ngs Prerequ s te SWG 680

682 Community Practice. 3 S
Commun ty pract ce enta s spec f c sk areas nc ud ng program eva uat on task or ented group techno ogy c t zen consumer part c pat on and barga n ng negot at ng Prerequ s te SWG 680

683 Grantsmanship Proposal Development. (3) N
Student groups deve op proposa s n co aborat on with human serv ce agenc es or commun ty groups dent f ca t on of potent a fund ng sources, technical and nterpersona po t ca aspects of proposa deve opment Prerequ s te SWG 580 or nstructor approva

684 Contract Administration in Social Work. (3 N
Fundamenta s of contract ng from in tia conceptual zat on of the serv ce need through deve opment negot at on, adm n strat on and mon tor ng of contracts.

720 Research Methods in Social Work Practice. 3 F
Cr t ca exam nat on of the theoret ca and emp r ca base of soc a work ntervent ve mode s w th an emphas s on the def c enc es and know edge gaps n such mode s.

721 Empirical Social Work Practice. (3) S
App cat on of sc ent f c princ p es to prob em formulat on, assessment, and ntervention procedures w th an empha s s on the d rect use of sc ent f c too s n the conduct and eva uat on of pract ce at al leve s.

722 Integrative Research Seminar. 3 F
App cat on of research concepts and methods to spec f c nterests of students ntegrat on of theory, research meth ods, and stat st cs as appl ed to soc a work top cs

730 Social Policy Issues in Social Welfare. 3 F
H stor ca backgrounds of current po cy ssues aw as ex press on of soc a po cy, eg s at ve execut ve and jud c al ro es n formu at ng po cy

731 Social Welfare Policy Analysis and Development. 3 F
Methods of po cy ana ys s cr t que of socia we fare po c es aga nst proposed mode s, case stud es of po cy de ve opment emphas z ng southwestern popu at ons. Pre requ s te. SWG 730

732 Social Welfare Policy: Economic and Political Analyses. (3 S
Econom c and po tica factors nf uenc ng nat ona soc a we fare po c es taxes f nanc a resources and c v rights as affecting socia welfare programs Prerequ s te SWG 731

740 Philosophy of Science Issues in Social Work. (3) F
Ph osoph ca assumpt ons of soc a sc ence, soc a work pract ce, and po cy are exam ned n conjunction w th pre suppos t ons under y ng var ous frames of reference n the behav ora and soc a sc ences

741 Social Work Administration in a Systems Context. 3 S
Case stud es of soc a work adm n stration from n t a con ceptua zat on of po cy through mp ementat on at na tiona state and loca eve s Prerequ s te SWG 740

742 System Redesign for Social Change. (3) F
Redes gn ng mprov ng administrative structures, re ation of adm n strat ve organ zat on to serv ce de very organi zat on change procedures case studies emphas z ng mi nor t es and women Prerequ s te SWG 741.

Special Courses: SWG 690 700 780, 783 784 790, 791 792 799 See pages 43–44

Arizona State University West Campus

Vernon E. Lattin, Ph.D.
Provost and Vice President

Charles W. Connell, Ph.D.
Interim Vice Provost and Dean of the Faculty

Applied Sciences, Engineering and Technology

Academic Director

PROFESSOR: SMITH
ASSOCIATE PROFESSOR: WILSON

Arts and Sciences

Janet H. Shirreffs, Ph.D.
Academic Director (Acting)

PROFESSORS: ALARCON SHIRREFFS
ASSOCIATE PROFESSOR: PYNE
ASSISTANT PROFESSORS: BURT WAY, CARDENAS, GUNDERSEN, HATTENHAUER, METZ, MILLER, MUELLER, NANEZ, NOVAK VAUGHAN
LECTURER: WILLIAMS

Business

Otis W. Baskin, Ph.D.
Academic Director

PROFESSORS: BASK N, FR TZMEYER
ASSOCIATE PROFESSORS: BELL ZZI, HUTT
ASSISTANT PROFESSORS: CAREY GALLINGER GRAEF, MALEKZADEH, M ZZI, NAHAVANDI

Education and Human Services

George G. Garver, Ed.D.
Academic Director (Acting)

PROFESSOR: SVOBODA
ASSOCIATE PROFESSORS: HALADYNA KNOPF, SCHADE
ASSISTANT PROFESSORS: DICKERSON, ELAWAR, HAAS NOLEN

Purpose

Arizona State University West Campus is the Phoenix based branch campus of Arizona State University. It was established in 1984 by the Arizona Legislature to serve the educational needs of residents in western Maricopa County. The West Campus provides upper level and graduate courses leading to baccalaureate and master's degrees Programs and services are designed to respond to the needs of working adults and community college transfer students who are pursuing a degree, seeking career growth or furthering their knowledge.

ASU West Campus, as part of the Arizona State University system, shares the common goal of quality academic programs. Admission and degree requirements are the same at both campuses. Arizona State University is accredited by the North Central Association of Colleges and Secondary Schools. Professional programs in the various academic units are also accredited by national boards, commissions and councils.

As a key element in fulfilling Arizona State University's urban mission, West Campus will develop and maintain strong partnerships with the community and the Maricopa County Community College District to meet the needs of the people of western Maricopa County.

Organization

Management of the West Campus is the responsibility of the provost and vice president for ASU West Campus. The division of Academic Affairs is administered by the vice provost and dean of the faculty. It is comprised of four multidisciplinary units administered by academic directors for.

Applied Sciences, Engineering and Technology
Arts and Sciences
Business
Education and Human Services

Degree Programs

Presently, the following degree and certification programs are authorized by the Board of Regents.

Applied Sciences, Engineering and Technology

B.S.E.: Special Studies
B.S.: Industrial Technology

For specific information for degree requirements, refer to the College of Engineering and Applied Sciences section in this *Catalog*

Arts and Sciences

B.A : English
B.A.: History
B.A.: Political Science
B.S.: Political Science
B A.: Sociology
B S.: Sociology
B.A.: Spanish
B.A.: Communication
B S Communication
B.A.: Art
B.F.A.: Art
B.A.: Music
M.M.: Choral Music

For specific information for degree requirements, refer to the College of Liberal Arts and Sciences, College of Fine Arts, and College of Public Programs sections in this *Catalog.*

Business

B.S.: Management
M B A.: Master of Business Administration

For specific information for degree requirements, refer to the College of Business section in this *Catalog*

Education and Human Services

B.S.: Nursing
M.S.: Nursing
B.S.: Justice Studies
B.S.: Recreation
B.S.: Bachelor of Social Work
Certificate of Gerontology
B.A.Ed.: Elementary Education
M.Ed.: Elementary Education
B A.Ed.: Secondary Education
M.Ed.: Secondary Education
B.A.Ed : Special Education
M.Ed.: Special Education
M.Ed : Educational Administration and Supervision

For specific information for degree requirements, refer to the College of Education, College of Nursing, College of Public Programs and the School of Social Work sections in this *Catalog.*

Faculty

ASU West Campus is committed to excellence in scholarship, instruction and student performance. The faculty and administrators have been chosen for their outstanding achievements and backgrounds. They are highly qualified to understand and meet the needs of West Campus students through administration, instruction, research and advisement.

Faculty and academic unit offices are located at the new campus. To contact officers or faculty, call, write or visit:

ASU West Campus
P O Box 37100
4701 West Thunderbird Road
Phoenix, AZ 85069 7100

Applied Sciences, Engineering and Technology 602/543–6100

Arts and Sciences 602/543–6000

Business 602/543–6200

Education and Human Services 602/543–6300

For a complete list of ASU West Campus resident faculty and professional staff, see pages 546–548.

Facilities

Construction of the permanent campus began in 1986 on a 300 acre site bounded by Thunderbird and Sweetwater Roads and 43rd and 51st Avenues in Phoenix. The first phase of the campus is projected for completion in the 1990's with the capacity to serve 10,000 students. The Fletcher Library, dedicated in March, 1988, is now open, and the first classroom building was opened for use spring 1989. While the other buildings are under construction, classes and services are offered at:

ASU West Campus Alhambra
4510 North 37th Avenue
Phoenix, AZ 85019
602 279 5775

ASU West Campus Montebello
2636 West Montebello Avenue
Phoenix, AZ 85017
602/246–6060

ASU West Campus at
The American Graduate School of
International Management
59th Avenue and Greenway
Glendale, AZ 85306
602 978 7760

Student Services

Student Services programs augment and support the academic programs offered at West Campus. The focus of Student Services is on the quality of nonresidential campus life for all students and, in particular, special needs groups such as working adults, community college transfer students, minorities, commuters, re entry students and the disabled. The offices of Student Services are located at the new campus site and currently offer programs for:

Re entry
Admission and orientation
Academic advisement
Registration
Financial aid
Minority student services
Student employment
Career services
Counseling
Disabled student resources

Additional services will be added as the West Campus develops.

For assistance in determining eligibility, or for assistance in admission and registration, as well as advisement and other services, call, write or visit:

Student Services
ASU West Campus
P.O. Box 37100
4701 West Thunderbird Road
Phoenix, AZ 85069 7100
602/279 5484

Library

The Fletcher Library provides an on site collection of books and journals selected to complement course offerings and degree programs. Electronic access to information and to the resources of other libraries is also provided Highly skilled librarians are available for assistance in obtaining specialized research materials. A feature of the library is the daily delivery of materials from other ASU libraries and west valley libraries. The West Campus library collection will contain about 330,000 volumes when complete.

For more library information, call, write or visit:

ASU West Campus Library
P.O. Box 37100
4701 West Thunderbird Road
Phoenix, AZ 85069 7100
602/543 8501

Graduate College

Brian L. Foster, Ph.D.
Dean

The Graduate College at Arizona State University provides students with opportunities to study beyond the bachelor's degree in a wide variety of academic disciplines and professions. ASU offers more than 40 doctoral and nearly 90 master's degree programs. The Graduate College fosters an atmosphere of academic excellence and a spirit of scholarship, research, and artistic accomplishment. Its objectives are to educate future leaders in the arts, in the creation of new knowledge, and in the application of our accumulated knowledge to human affairs

Graduate Degrees and Majors

The Graduate College enrolls students in programs leading to both professional and research oriented advanced degrees The Master of Arts, Master of Science and Doctor of Philosophy degrees are awarded to students completing programs that culminate in research. The Doctor of Philosophy degree is the highest university award, conferred on candidates who have proven their ability as scholars and original researchers.

Professional graduate programs emphasize training that leads to professional practice. In these degree programs, students develop a high order mastery of a comprehensive body of knowledge and the ability to organize and carry out significant investigations in their professional field. Professional degrees usually are named Master of (Professional Field and Doctor of (Professional Field). The professional doctoral degree is the highest university award to candidates completing academic preparation for professional practice Professional degrees offered through ASU's Graduate College include

Master of Accountancy
Master of Architecture
Master of Business Administration
Master of Computer Science
Master of Counseling
Master of Education
Master of Environmental Planning
Master of Fine Arts
Master of Health Services Administration
Master of Laws
Master of Mass Communication
Master of Music
Master of Natural Science
Master of Public Administration
Master of Science in Engineering
Master of Social Work
Master of Taxation
Master of Technology
Education Specialist
Doctor of Education
Doctor of Musical Arts
Doctor of Public Administration
Doctor of Social Work

Faculty members offering a specific graduate degree program may be members of a single academic unit (such as a department, school or college), or they may form an interdisciplinary committee consisting of faculty from various academic units. The Graduate College awards degrees upon the recommendation of the faculty of fering the graduate degree programs.

Interdisciplinary Study

Although most graduate programs are administered by academic units, a diverse group of interdisciplinary programs falls directly under the supervision of the Graduate College. Many majors are in fields that are still emerging as recognized academic disciplines and, therefore, do not customarily form the academic basis for departments. Other fields of study are inherently interdisciplinary and do not fit well with conventional disciplines around which departments are formed. Curricula must reflect intrinsically broad discipli

nary affinities, and faculty must be drawn from more than one department.

Currently, the Graduate College oversees eight interdisciplinary programs; several others are planned. Existing ones include:

Adult Development and Aging Program
(Certificate in Gerontology)
Creative Writing (M.F.A.)
Humanities (M.A.)
Communication (Ph.D.)
Exercise Science (Ph.D.)
Justice Studies (Ph.D.)
Public Administration (D.P.A.)
Science and Engineering of Materials (Ph.D.)

Each of these programs utilizes resources and faculty from several disciplines. They promote cooperative research and instruction among faculty who share common interests but are housed in different academic units. They allow students to pursue degrees that are intellectually coherent but that bring together diverse strengths of the university.

Admission to the Graduate College

Eligibility

Anyone who holds a bachelor's (or equivalent) or graduate degree from a college/university of recognized standing is eligible to apply for admission to the Graduate College. Undergraduate deficiencies may be assigned if the undergraduate degree is based on credits not accepted by Arizona State University, such as life experience or noncredit workshops and seminars.

Graduate College Requirements

Generally, an applicant must have a grade point average of 3.00 (4.00 = A scale), or the equivalent, in the last two years of work leading to the bachelor's degree. A student who enters a graduate degree program is expected to have undergraduate educational experiences, including general education studies, that are similar to those required for the baccalaureate degree at Arizona State University.

Requirements of the Academic Unit

Academic units, departments or colleges, may have admission requirements in addition to those of the Graduate College. For example, many graduate programs require scores from an academic aptitude test such as the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT), or the Miller Analogies Test (MAT). Some programs require the submission of a portfolio, letters of recommendation, and/or a statement of goals. Applicants should contact the academic unit regarding specific admission and application requirements.

Submission of an Application

All applicants must submit a completed Application for Admission form. Applicants to a degree program must submit two official transcripts of all postsecondary academic work completed or in progress. Although courses from one school may appear on the transcript of another school, the Graduate Admissions Office requires separate transcripts from each school attended. Applicants should allow sufficient time in asking the schools concerned to process and mail the transcripts directly to the Graduate Admissions Office, Arizona State University, Tempe, AZ 85287–1003 (602/965–6113). The process of providing the Graduate College with the necessary records may take up to two months.

The submission of aptitude test scores is strongly recommended for all degree applicants and is required for admission to some graduate programs. The scores, as well as the Application for Admission and the transcripts, should be sent directly to the Graduate Admissions Office. It should be noted that it could take up to eight weeks for test scores to be announced. Portfolios, letters of recommendation and statements of goals should be sent directly to the academic unit.

Application Fee

Each application for entry to ASU's graduate programs must be accompanied by a nonrefundable application fee. The fee is $25.00 to apply for admission to a degree program and $10.00 to apply for nondegree studies.

For details concerning re-entry, multiple applications, and other matters relating to the application fee, see the *Graduate Catalog*.

International Applicants

Applicants, who will attend the university while holding F-1 or J-1 visas, must meet the regulations of the Immigration and Naturalization Services in addition to the requirements of the Graduate College and the academic units to which they apply.

Applicants from outside the U.S. are also required to submit additional materials and should follow the procedures described in the Graduate College brochure, *Admission Information for New International Students*. International applicants should read this brochure carefully in order to become familiar with all the requirements they must

meet. Applicants should also consult ASU's list ings in *Peterson's Graduate Education Directory* and in the *Directory of Graduate Programs* (pub lished by the Educational Testing Service)

Among the additional materials required of in ternational students are scores from English lan guage examinations All applicants whose native language is not English must submit a score from the Test of English as a Foreign Language (TOEFL). All international applicants who do not speak English as a primary language, and who wish to apply for teaching assistantships, must pass an examination which certifies their skill in speaking English—either the Test of Spoken Eng lish (TSE), which may be taken in the student's home country, or the SPEAK test, which is ad ministered at ASU Some degree programs also require TSE or SPEAK scores of all applicants whose native language is not English. For spe cific information about TSE requirements, contact directly the head of the academic unit

International applicants must also verify that they have the financial resources to cover their expenses during graduate study at ASU, as re quired by the U S. Immigration and Naturaliza tion Service. The Graduate Admissions Office provides the Financial Guarantee form to interna tional applicants, who then must see that the form with a verification from a bank or sponsoring or-ganization is completed, and returned to Graduate Admissions. The I 20 or the IAP66 (documents needed to obtain a student visa are issued only after the completed, properly verified Financial Guarantee form has arrived. International stu dents may enroll at ASU only if they have been admitted to a degree program and therefore may not pursue nondegree studies. They must meet all appropriate immigration standards and require ments

The Graduate College encourages international applicants to submit the Preliminary Application form distributed by the Graduate Admissions Of fice, or similar forms available from the interna tional offices of the United States Information Agency, the Institute of International Education, the Foundation for Scholarly Exchange, the Fulbright Commission, and the U.S. Educational Foundation.

To apply formally, international applicants should submit all materials before January 31 in order to begin study the following fall semester, and before September 30 in order to begin study the following spring semester. An application fee of $25 (in U.S funds) must accompany the for mal application, which otherwise will not be evaluated. (For details concerning multiple appli cations and other matters relating to the appli cation fee, see the *Graduate Catalog*.) A 1 F 1 or J 1 visa students must have insurance coverage against illness and accident before being per mitted to register. Insurance must be maintained throughout the student's enrollment in the univer-sity and may be obtained at the time of registra tion.

Upon arrival on campus, students must report to the International Student Advisor in the Stu-dent Life Office.

Application Deadlines

The Graduate Admissions Office should receive the Application for Admission, the transcripts, and the applicable test scores at least two months before the applicant intends to enroll Many aca demic units have specific and earlier deadlines; applicants are urged to contact them regarding deadlines.

Application Procedures

When the Graduate Admissions Office has a complete file for an applicant, one copy is for-warded to the academic unit. A second copy is kept in the Graduate College. Academic units re view the file and the supporting materials such as academic test scores, portfolios, and letters of rec ommendation) and, following admission policies established by the Graduate College and the fac ulty of the academic unit, make a recommenda tion (regular admission, regular admission with deficiencies, provisional admission, or denial to the Graduate College. All recommendations are reviewed and approved by admissions officers in the Graduate College.

If there are questions about the likelihood of a student succeeding in the designated program, the Graduate College admissions officers will com municate with the academic unit, perhaps sug gesting a provisional admission or arranging for the student in question to have a special faculty advisor or an advanced graduate student assigned as a mentor. Other times they may suggest that the student take some preliminary courses as a nondegree student.

Academic units, which must indicate their will ingness to admit applicants, frequently set higher standards than those established by the Graduate College. Denial decisions may be based on the limitations of departmental resources as well as on the relative qualifications of those competing for admission in a particular semester.

Notice of Admission Decisions

Only the dean of the Graduate College can make formal offers of admission The Graduate College notifies all applicants in writing of the admission decision.

All documents received by the university in connection with an application for admission become the property of Arizona State University. If the applicant does not enroll in the university within one year, the admission documents may be destroyed.

The date (month/day/year) on the graduate dean's letter of admission is the actual date of admission. If the student is enrolled in courses on the admission date, those courses if applicable may be considered part of a program of study. Courses taken the semester before this date are nondegree hours.

Admission Classifications

Regular Admission. Applicants who fulfill all requirements for admission and are acceptable to both the academic unit and the Graduate College are granted regular admission.

Regular Admission with Deficiencies. A student whose grades and test scores are at an acceptable level but who does not have the undergraduate background expected by the academic unit and the university may be assigned deficiency courses. The letter of admission will specify the deficiencies which must be completed before the student will be awarded a graduate degree. Deficiency courses are taken in addition to those normally required for a degree.

Provisional Admission. A student who does not meet minimum academic standards but has counterbalancing evidence to suggest the potential for success may be admitted on a provisional basis. Provisional admission provides an academic unit with more evidence on which to base its decision. Normally, the academic unit will review the student's status following completion of 12 semester hours of approved graduate study. At that time, the academic unit will recommend to the Graduate College a change in status to either regular admission or withdrawal from the program. When students have completed their provisional requirements, they should check with their advisors to make sure that the change of status has been recommended. A provisional student may also be assigned deficiencies.

Nondegree Admission. *A student not interested in earning a degree or not yet ready to apply to a particular degree program may enroll as a* nondegree student. The application process is streamlined, does not require submission of transcripts or test scores, and can be completed during a single visit to the Graduate Admissions Office This process may also be completed by mail A maximum of nine hours taken while in this category may be applied toward a graduate degree if appropriate for the student's program of study

Recognition of a Degree

Recognition of a degree is acknowledgment that the program leading to the degree is equivalent to a program offered by Arizona State University or is an acceptable program for the proposed graduate major at Arizona State University. A student who enters a graduate degree program at Arizona State University is expected to have undergraduate educational experiences, including general education studies, that are appropriate for the program

Definition of a Unit of Credit

The Arizona Board of Regents has defined May 26, 1979) a unit of credit for the institutions under its jurisdiction A minimum of 45 hours of work by each student is required for each unit of credit. An hour of work is the equivalent of 50 minutes of class time (often called a "contact hour") or 60 minutes of independent study work. For lecture discussion courses, this requirement equates to at least 15 contact hours and a minimum of 30 hours of work outside of the classroom for each unit of credit. Even though the values of 15 and 30 may vary for different modes of instruction, the minimum total of 45 hours of work for each unit of credit is a constant Since the unit of credit as defined by the Arizona Board of Regents is the cornerstone of academic degree programs at Arizona State University, degrees that are recognized should be based on a similar unit of credit.

Graduate College Procedures

Change in Graduate Degree Program

A change from one graduate degree program to another requires a new application to the Graduate College. The usual admission procedures are followed. For details on matters relating to the application fee, see the *Graduate Catalog*.

Re-Entry to the Graduate College

Any former graduate student who has not been in attendance at the university for one or more semesters must submit an application for re entry to

the Graduate Admissions Office. The application should be submitted at least one month prior to the beginning of the semester in which the student plans to re enter For details on re entry and other matters relating to the application fee, see the *Graduate Catalog*.

Determination of Catalog Requirements

The *Graduate Catalog* is published annually. Requirements for an academic unit or college, or the university as a whole, may change and are often upgraded.

In determining graduation requirements, a student may use only one Catalog

A student will graduate under the curriculum, course requirements, and regulations for graduation in effect at the time of admission to a degree program at the university. A student may choose to graduate under any subsequent *Catalog* issued.

All other university policies and procedures not related to curriculum or graduation requirements which are currently in effect, or which may subsequently change, are applicable to all students regardless of the *Catalog* under which the student elects to be graduated. These policies and procedures may appear in the *Catalog* or in other university publications.

Registration

Graduate students, like all university students, register during the intervals indicated in the *Schedule of Classes* issued by the Office of the Registrar. Details regarding registration and course drop add procedures are also provided in the *Schedule of Classes*. Day and evening graduate classes, offered on or off campus, during the two regular semesters and the summer sessions, are considered part of the regular program.

Audit Enrollment

Graduate students may register as auditors in one or more courses with the approval of the supervisory committee chair and the consent of the instructor involved. The student must be registered properly and pay the fees for the course. An audited course is counted in the student's maximum course load It does not count for students who must take a minimum number of credits, e.g., teaching assistants or students receiving financial assistance. The mark of "X" will be recorded for completion of an audited course, unless the instructor determines that the student's participation or attendance has been inadequate, in which case a "W" may be recorded.

Enrollment Verification

General guidelines on page 41 of this *Catalog* are used only to verify enrollment for the purpose of loan deferments and eligibility. The registrar is responsible for such verifications.

Course Withdrawal

During the first four weeks of a semester, a student may withdraw with a mark of "W." From the fifth week to the end of the tenth week of a semester, a student may withdraw with a mark of "W" only from courses in which the instructor certifies the student is passing at the time of withdrawal.

Failure to withdraw officially from a course will result in a grade of "E," which is used in the computation of the grade point average. The *Schedule of Classes* lists the procedures for withdrawal

An instructor may withdraw a student from a class with a mark of "W" or a grade of "E" for disruptive classroom behavior. A student may appeal an instructor initiated withdrawal to the Standards Committee of the college in which the course is offered. The decision of the committee is final.

Course Load

The course load is determined by the supervisory committee but is not to exceed 15 semester hours of credit during each of the two semesters, six semester hours during each five-week summer session, or nine semester hours of credit during an eight week summer session. An audited course is counted in the student's maximum load.

All graduate assistants and associates must enroll for a minimum of six semester hours during each semester of their appointment The six hours cannot include audit enrollment. A half-time (50%) graduate assistant or associate working 20 clock hours per week may not register for more than 12 hours of course work each semester, a third time (33%) assistant or associate for more than 13 hours; and a quarter time (25%) assistant or associate for more than 15 hours.

During the summer sessions, graduate assistants employed 25% time may enroll for a maximum of six semester hours during a five week session or nine hours during the eight week session; those employed 50% time may enroll for a maximum of five hours during a five week session or seven hours during the eight week session; and those employed 100% time may enroll for a maximum of three hours during a five week

session or four hours during the eight-week session.

All graduate students doing research, working on theses or dissertations, taking comprehensive or final examinations, or who are using university facilities or faculty time, must be registered for a minimum of one hour of credit, not audit, that appears on the program of study or is an appropriate graduate-level course.

Graduate College Degree Requirements

Graduate Advisement

Advising is much more than technical support; it is an integral part of graduate education. Students' programs of study are generally tailored to meet individual needs, and students should seek advice from faculty or advisors as they plan their course work, examinations, and other degree requirements.

Graduate College Advising Office. The Graduate College provides advising service to prospective and enrolled students. Information is provided concerning Graduate College admissions, nondegree status, programs of study, and policies and procedures. Academic and professional advisement is available to nondegree students. Advisors assist nondegree or prospective students in contacting appropriate faculty and advisors. Students may call for an appointment (602/965–6007) or stop by Wilson Hall.

Grading

A - Excellent (4.00)
B - Good (3.00)
C - Passing (2.00)
D - No Graduate Credit (1.00)**
E - Failure (0.00)**
W - Withdrawal*
I - Incomplete
X - Audit
Y - Satisfactory
Z - Course in Progress***

* This grade is given whenever a student officially withdraws from a class.

** This grade cannot be applied toward a graduate degree but is included in the calculation of a grade point average.

*** This grade is usually given pending completion of courses such as thesis, dissertation, and practicum. It may also be given in lieu of an "I" for other graduate courses where the incomplete work may take in excess of one year to complete.

A grade of "P" (pass) in a 400-level course may not appear on a program of study. Grades of "D" and "E" cannot be used to meet the requirements for a graduate degree, although they are used to compute the grade point averages. A student receiving a grade of "D" or "E" must repeat the course in a regularly scheduled (not an independent study) class if it is to be included in the program of study. However, both the "D" or "E" and the new grade are used to compute the grade point averages. Grades on transfer work will not be included in computing grade point averages.

Graduate course work reported as an "I" (incomplete) must be completed within one calendar year. At the time the "I" grade is given, the student must complete a form, the Graduate Course Record of Incomplete and Authorization for Change-of-Grade. The form first serves as a record of the "I" grade and the work required to complete it. When the student has completed the work, the form then serves as a change-of-grade authorization.

If the work specified on the form is not completed within one calendar year, the "I" grade becomes part of the student's permanent transcript. The student will not be allowed to complete the course work as specified on the "Incomplete" form. The student may, however, repeat the course after the "I" has become permanent, reregistering, paying fees, and fulfilling all course requirements. The grade for the repeated course will appear on the transcript but will not replace the permanent "I."

Scholarship

To be eligible for a degree in the Graduate College, a student must achieve two grade point averages of "B" (3.00) or better. The first grade point average is based on all courses numbered 500 or higher which appear on the transcript. (Courses noted as deficiencies in the original letter of admission are not included.) The second grade point average is based on all courses that appear on the program of study.

Academic excellence is expected of students doing graduate work. Upon recommendation from the head of the academic unit, the dean of the Graduate College can withdraw a student who is not progressing satisfactorily.

A master's or doctoral degree student who does not enroll for three calendar years is considered withdrawn and must reapply for admission to a degree program.

Graduate Credit Courses

Courses at the 500, 600, and 700 levels are graduate credit courses. Courses at the 400 level will apply to graduate degree requirements when appearing on an approved program of study. How-

ever, 400 level courses are not graduate courses by definition and cannot be certified as such for purposes of employment or transferring to other institutions.

Reserving of Course Credit by Undergraduates. Seniors at Arizona State University within 12 semester hours of graduation may enroll in a 400 level or graduate course and reserve the credit for possible use in a future graduate program. The course cannot be used to meet a baccalaureate graduation requirement. Prior to registration in the course, the student must submit a Graduate College Petition form requesting credit reservation, the form must be signed by the student's advisor, head of the academic unit, and the dean of the Graduate College.

Permission to reserve a course does not guarantee admission to a graduate degree program or that the course may be used toward graduate degree requirements. A maximum of nine hours of credit may be reserved, and only courses with an "A" or "B" grade are applicable. Reserved credit earned prior to admission to a graduate degree program is classified as nondegree credit. The maximum course load for a student enrolled in a reserved course is 15 semester hours during a regular semester and six hours during a summer session.

Transfer Credit. Transfer of credit is the acceptance of credit from another institution for inclusion in a program of study leading to a degree awarded by Arizona State University. The number of hours transferred from other institutions may not exceed 20 percent of the total minimum semester hours required for a master's degree unless stated otherwise for a specific degree program.

Transfer credit taken prior to admission to a graduate degree program at Arizona State University is nondegree credit. Nondegree credit taken at Arizona State University combined with nondegree credit taken at another institution may not exceed nine hours on the master's program of study. The date (month/day/year) on the graduate dean's letter of admission is the actual date of admission. If the student is enrolled in courses on the admission date, those courses if applicable may be considered part of a program of study. Courses taken the semester before this date are nondegree hours. The nine hour limit does not apply to the doctoral programs.

Transfer credits must be acceptable toward graduate degrees at the institution where the courses were completed. Certain types of graduate credits cannot be transferred to Arizona State University, including (1) credits awarded by postsecondary institutions in the United States that lack candidate status or accreditation by a regional accrediting association, (2) credits awarded by postsecondary institutions for life experience; (3) credits awarded by postsecondary institutions for courses taken at noncollegiate institutions (e.g., government agencies, corporations, and industrial firms); (4) credits awarded by postsecondary institutions for noncredit courses, workshops, and seminars offered by other postsecondary institutions as part of continuing education programs; and 5) credits given for extension courses.

Acceptable academic credits earned at other institutions that are based on a different unit of credit than the ones prescribed by the Arizona Board of Regents are subject to conversion before being transferred to Arizona State University.

Only resident graduate courses with an "A" or "B" grade may be transferred. A course with the grade of pass, credit, or satisfactory may not be transferred.

Official transcripts of any transfer credit to be used on a program of study must be sent directly to the Graduate Admissions Office from the office of the registrar at the institution where the credit was earned.

Correspondence and Extension Courses. Correspondence and extension courses cannot be used to meet the requirements for a graduate degree.

Graduate Supervisory Committees

Upon the recommendation of the head of the academic unit, the dean of the Graduate College appoints a graduate student's supervisory committee, consisting of a chair and other resident faculty members. The number of members serving on this committee depends on the degree program See the specific degree program for additional information.

In some cases, individuals who are not members of the resident faculty may be appointed to a supervisory committee as a main or extra member. Such appointments must be consistent with quality graduate training, and must be strongly recommended by the head of the academic unit. A vita for this individual should be submitted to the Graduate College with the recommendation.

Foreign Language Requirements

A graduate degree program may require proficiency in a foreign language If a foreign language is required, students must demonstrate at

least a reading knowledge in the area of study required by the supervisory committee and consistent with the requirements for the graduate degree program. Normally, the language is selected from French, German, Russian, or Spanish, although other languages may be recommended when there is adequate justification.

Students must pass a foreign language examination specific to their particular graduate programs. The examinations are administered three times each year by the Department of Foreign Languages, which certifies language competency. Students planning to take the examination must register in the Graduate College at least one month in advance of the examination date. The chair of the student's supervisory committee is responsible for providing the Department of Foreign Languages with materials from which the examination will be prepared. The chair should submit or recommend relevant books and/or journals of approximately 200 pages in length in the desired foreign language.

A student must pass the examination in no more than three attempts.

Theses and Dissertations

Candidates for the Master of Arts and Master of Science degrees must submit a thesis or equivalent which demonstrates an introduction to research. All doctoral degree candidates must submit a dissertation, with the exception of the Doctor of Musical Arts in Solo Performance, which requires three recitals and a research paper. The Doctor of Philosophy dissertation should be a valuable educational experience which demonstrates the candidate's mastery of research methods, theory, and tools of the discipline. It should demonstrate the candidate's ability to address a major intellectual problem and to propose meaningful questions and hypotheses. It should be a contribution to knowledge that is worthy of publication by an established press as a book or monograph, or as one or more articles in a reputable journal.

The Graduate College must review the final copy of the master's thesis and doctoral dissertation for format. Copies of the *Format Manual* are available in the Graduate College. The student should submit a complete copy of the thesis or dissertation for format review ten working days (two weeks if there are no holidays during the time period) before the oral defense.

Graduate students and their supervisory committees are encouraged to select a style manual or journal format representative of the field of study. The Graduate College allows maximum flexibility in the format of the manuscript, but certain Graduate College and library guidelines must be followed.

The student must submit two final copies of a thesis or dissertation to the Arizona State University Bookstore for binding. Bound copies are placed in the University Library and Archives. Doctoral candidates should also submit one copy of the title page and one copy of the abstract (which must not exceed 350 words). The student is responsible for the binding fees; in addition, doctoral students must pay to have their dissertations microfilmed by University Microfilms International (UMI). The fee covers the expense of having the document sent to UMI, where it is microfilmed and catalogued. Information on the dissertation will appear in various publications, such as *Dissertation Abstracts International* and the annual supplement of the *Comprehensive Dissertation Index.*

Graduation

Students should apply for graduation no later than the date specified in the *Graduate Catalog* calendar. All fees are payable at that time. Students applying for graduation after the deadline listed in the *Graduate Catalog* calendar will be required to pay a late fee. At the end of the semester in which they apply for graduation, students will be officially notified of any requirements for their degree which they have not yet completed. Students who do not complete all degree requirements by their anticipated graduation date will be required to pay a refiling fee.

Withdrawal from the University

Students who find it necessary to withdraw from the university should obtain and complete an official withdrawal form from the Student Life Office. Until officially withdrawn, the student is registered in all courses and will at the end of the semester receive grades appropriate for the performance in each course. A student who officially withdraws from the university during the first four weeks of a semester receives the mark of "W" in all courses registered. A student who officially withdraws from the university later than the fourth week will receive a mark of "W" or "E," depending upon the quality of work at the time of official withdrawal. No student will be permitted to withdraw during or after the last two weeks of the semester (the last week of classes and final examination week).

A master's or doctoral degree student who does not enroll for three calendar years is considered withdrawn and must reapply for admission to a degree program.

Summer Sessions

Work taken during the summer sessions carries the same scholastic recognition as that taken during the regular semester. A complete schedule of offerings is available in the summer bulletins, which may be obtained from the Office of Summer Sessions.

Dates and Deadlines

The university calendar found in the current *Graduate Catalog* lists deadlines for the submission of theses and dissertations to the Graduate College, the last day to apply for graduation, the last day to hold an oral defense of a thesis or dissertation, and the last day to submit theses and dissertations to the Bookstore for binding.

Student Responsibility

It is the responsibility of the graduate student to know and observe all procedures and requirements of the Graduate College as defined in the *Graduate Catalog*, the *Schedule of Classes*, and the *Format Manual*

Students should also be informed about the requirements concerning their degree program and any special requirements within the academic unit. Students are expected, as part of their obligations, to be familiar with the *Code of Conduct*, which is available in the Office of Student Affairs Violations of the *Code of Conduct* or instances of academic dishonesty, specifically cheating in examinations, laboratory work, written work (plagiarism), and forging or altering university records (i.e., attempting to gain credit for work which the student has not actually performed) will be subject to university discipline, whether committed by individuals or groups.

Graduate College Policies and Procedures. For more detailed information on Graduate College policies and procedures of particular interest to students, please refer to the current *Graduate Catalog*.

Policies and Procedures of the Graduate Council Appeals Board

The Appeals Board of the Graduate Council acts as the appeals body for graduate students seeking redress on academic decisions regarding their graduate program. The board is composed of five members of the Graduate Council, excluding ex officio council members who hold administrative positions in the Graduate College The membership and chair of the board are appointed by the dean of the Graduate College

An appeal by a student previously admitted to a graduate degree program may result from an academic decision the student considers adverse. Decisions involving Graduate College policy as stated in the *Graduate Catalog* are within the jurisdiction of the Appeals Board. Decisions involving policies of the academic unit (center, department, school, or college) are not normally heard by the Graduate Council Appeals Board.

A student may seek redress by writing a letter to the dean of the Graduate College or the chair of the Appeals Board of the Graduate Council. Upon receipt of the letter, the dean or chair will inform the student as to whether the appeal concerns a Graduate College policy, and is therefore within the jurisdiction of the board, or is a policy of the academic unit.

A student may request an opportunity to appear before the Appeals Board or waive this right The board may choose to interview faculty members and administrators involved in the case and review the student's complete academic record and all documents pertaining to the case. Such reviews are primarily concerned with the observance of stated procedures and policies, but may consider extenuating circumstances as related to policy.

In the event a member of the Appeals Board has been involved in a case as a member of the student's committee or as a member of the faculty offering the graduate program, that member will be replaced for the duration of the case, and the dean of the Graduate College or chair of the Appeals Board may select an alternate member from the remaining membership of the Graduate Council. A member of the Appeals Board may request to be excused from a case, or may be temporarily replaced, whenever there is a potential for conflict of interest The presence of three members of the board at a meeting is considered a quorum.

Verbatim transcripts of the board's proceedings are not kept. Only summary notes are kept. All written documentation presented in each case is retained in the board's files for a period of one year. Such files are available only to the complainant and respondent in the hearing and do not become part of the student's official university file. The decision of the Appeals Board is reported to members of the Graduate Council for their information. The decision is then communicated to the student in writing by the dean of the

Graduate College, and a copy sent to each member of the Appeals Board.

Interdisciplinary/Intercollegiate Programs

The Graduate College oversees eight interdisciplinary/intercollegiate graduate programs, briefly presented below. For details on these and other graduate degree programs, see the *Graduate Catalog*.

Adult Development and Aging Program

An interdisciplinary, 24-semester hour Certificate in Gerontology may be earned by undergraduate and graduate students who wish to study the psychological, sociological, biological, and policy-related aspects of aging and the health, economic, and social concerns of older people. Students enrolled in the certificate program may simultaneously pursue a major in an academic unit offering an undergraduate or graduate degree or may enter the program as nondegree graduate students. The Certificate in Gerontology provides a broad academic foundation for students who wish to apply the knowledge and skills acquired in their major to a variety of aging-related pursuits. For further details of this program, see the *Graduate Catalog*.

GERONTOLOGY

GRN 494 Undergraduate Special Topics. (3)
498 Undergraduate Pro-Seminar. (3)
499 Undergraduate Independent Study. (3)
580 Graduate Practicum. (3)
590 Graduate Reading and Conference. (3)
591 Graduate Seminar. (3)

Creative Writing (M.F.A.)

The interdisciplinary Master of Fine Arts degree program with a major in Creative Writing is administered by the Committee on Creative Writing. This studio/academic program involves the research, creative activity, and teaching interests of faculty of the Departments of English and Theatre to provide students with the opportunity to tailor a course of study to fit individual needs, talents, and goals. Students work under the direction of faculty who are practicing, published writers. For details of this program, see the *Graduate Catalog*.

Humanities (M.A.)

The interdisciplinary Master of Arts degree program with a major in Humanities is administered by the Graduate Committee on Humanities. It offers the student whose interests transcend disciplinary boundaries the opportunity to integrate graduate courses in two or more departments as a foundation for research leading to a thesis in the humanities. Topics for the thesis require an understanding of cultural history, particularly of times when relationships between cultural values and one or more of the arts have been particularly dynamic in illuminating important questions. For details of this program, see the *Graduate Catalog*.

Communication (Ph.D.)

The interdisciplinary Doctor of Philosophy degree program with a major in Communication is administered by the Committee of Faculty. The program is designed to prepare scholars for research-oriented careers in universities and in the public or private sectors. Students are provided training in communication theory, research methodology, and a specialization in communicative development, intercultural communication, or organizational communication. For details of this program, see the *Graduate Catalog*.

Exercise Science (Ph.D.)

The interdisciplinary Doctor of Philosophy degree program with a major in Exercise Science is administered by the Committee on Exercise Science. The degree is an individualized interdisciplinary degree that integrates graduate courses from a variety of academic units to provide a sound foundation for research leading to a dissertation in biomechanics, exercise physiology, or exercise and sport psychology. For details of this program, see the *Graduate Catalog*.

Justice Studies (Ph.D.)

The interdisciplinary Doctor of Philosophy degree program with a major in Justice Studies is administered by the Committee on Law and Social Sciences. The central focus of the program is the conceptualization and implementation of law and justice in society. The degree program integrates philosophical, legal, and historical approaches with social science training. Areas of interest include criminal and juvenile justice; dispute resolution; law, justice, and minority populations; law, policy, and evaluation; and women, law, and justice. For details of this program, see the *Graduate Catalog*.

Public Administration (D.P.A.)

The interdisciplinary Doctor of Public Administration degree program is administered by the Committee on Public Administration. The pur-

pose of the degree is to prepare skilled professional public administrators for positions in the public sector and for university teaching. Value assessments, theoretical assumptions, ethics, modes of decision-making, problem-solving skills in budgeting, public personnel management, program evaluation, and policy analysis are some of the areas of study available. For details of this program, see the *Graduate Catalog*.

Science and Engineering of Materials (Ph.D.)

The interdisciplinary Doctor of Philosophy degree program with a major in the Science and Engineering of Materials is administered by the Committee on the Science and Engineering of Materials. Emphasis is placed on the applications of chemical thermodynamics, the mechanics of solids, quantum mechanics and transport theory for investigation of the relationships between microstructure and properties of solids, and the dependence of microstructures on processing. For details of this program, see the *Graduate Catalog*.

SCIENCE AND ENGINEERING OF MATERIALS

SEM 556 Electron Microscopy Laboratory. (3) F
Laboratory to support SEM 558. Cross-listed as MSE 556. Pre- or corequisite: SEM 558 or MSE 558.

557 Electron Microscopy Laboratory. (3) S
Laboratory support for SEM 559. Cross-listed as MSE 557. Pre- or corequisite: SEM 559 or MSE 559.

558 Electron Microscopy I. (3) F
Microanalysis of the structure and composition of materials using images, diffraction, and X-ray and energy loss spectroscopy. Knowledge of elementary crystallography, reciprocal lattice, stereographic projections, and complex variables is required. Cross-listed as MSE 558. Prerequisite: instructor approval.

559 Electron Microscopy II. (3) S
Microanalysis of the structure and composition of materials using images, diffraction, and X-ray and energy loss spectroscopy. Knowledge of elementary crystallography, reciprocal lattice, stereographic projections, and complex variables is required. Cross-listed as MSE 559. Prerequisite: instructor approval.

700 Research Methods.

790 Reading and Conference.

791 Seminar.

792 Research.

799 Dissertation Research.



Summer Sessions

Leon W. Kemper, Ph.D.
Director

The summer sessions provide an opportunity for students to pursue academic work on a year round basis. Degree candidates, both graduate and undergraduate, as well as those seeking to enhance or to refresh their subject matter inter ests, will find a broad selection of courses avail able. All campus classes are held in air conditioned classrooms or laboratories. Limited offerings are available in off campus locations during the summer sessions.

The opportunity for international travel and study is also available during the summer. These programs are directed by regular faculty members and permit students to earn graduate or under graduate university credit. All international study programs have been approved by the involved academic department and college.

Terms. There are three summer sessions; one of eight weeks and two of five weeks. The eight-week session and the first five week session run concurrently.

Admission to Summer Sessions. Admission to the university is a requirement for enroll ment in summer sessions. However, transient students those already admitted to other colleges and universities are admitted as unclassi fied undergraduates or nondegree graduates. The submission of transcripts or test scores are not required for this status. However, some courses may require specific prerequisites. (*See appro priate college policies*)

Conditional admission prior to graduation from high school may be granted. (See conditional admission prior to graduation from high school, page 31.)

Summer session courses are equivalent to the regular semester courses in content, credit awarded and expected standard of performance. As a general rule, summer session courses are taught by regular members of the Arizona State University faculty. The *Summer Session Bulletin,* a schedule of courses, is available in February and may be obtained by writing or calling the Of fice of Summer Sessions.

Credit and Residence Requirements. Students are permitted to earn a maximum of six se mester hours of credit each five week session or nine semester hours of credit in the eight week session. Hours of enrollment in any other institu tion or correspondence course is included in the maximum allowable course load during any given session. Students entering the university as fresh men are invited to begin their university work in the summer. They should, however, seek aca demic advisement prior to registering. (See undergraduate admission, pages 28 34.)

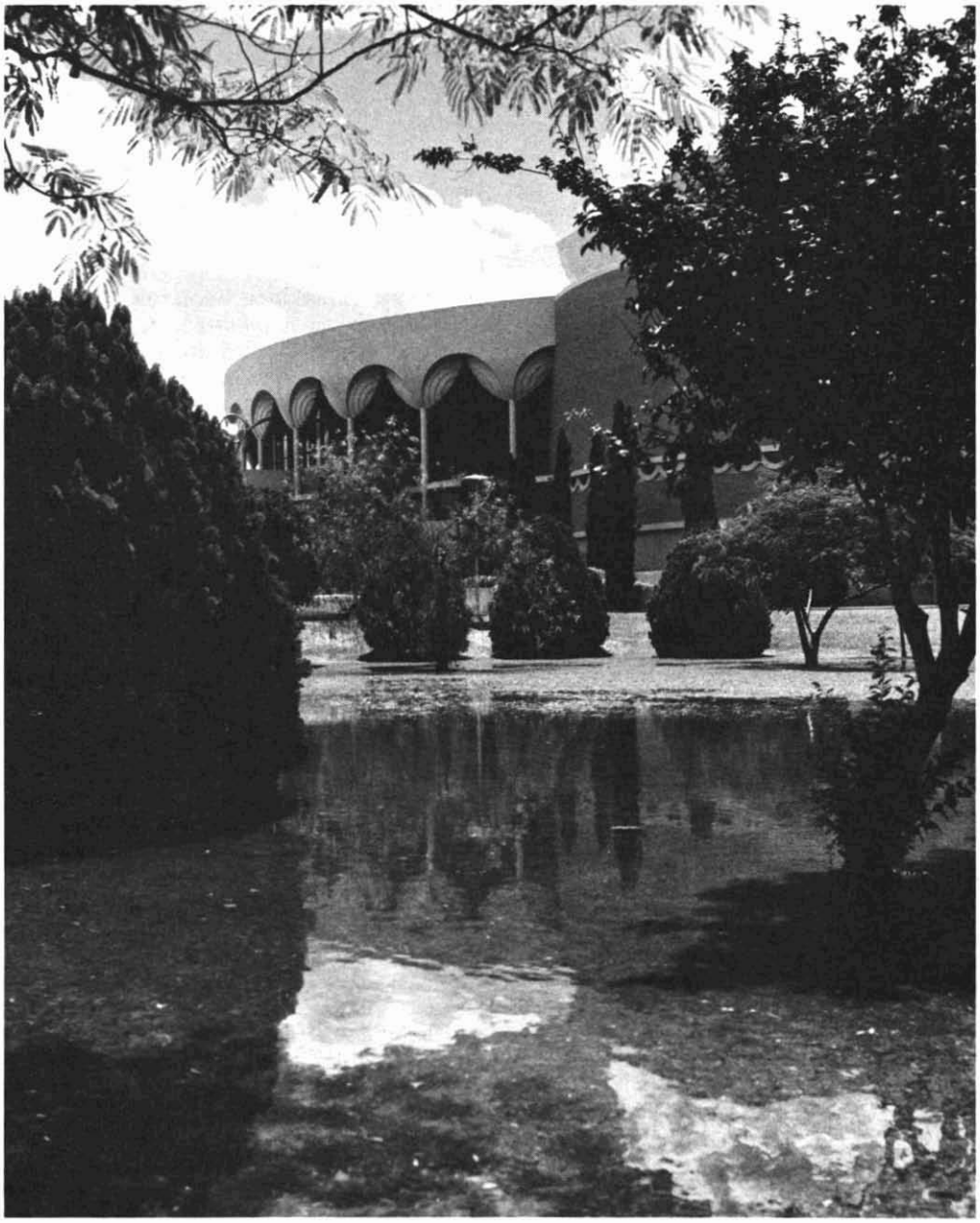
Undergraduate Enrollment. In general, ap plicants for admission are expected to present evi dence of graduation from an approved four year high school, or evidence of good standing in an accredited college. Students, 19 years of age or over, may be admitted as unclassified students without the above qualifications, but with the un derstanding that all university admission require ments must be satisfied before they can be admit ted for a degree program. (See undergraduate ad mission, pages 28 34.)

Graduate Study. Summer Sessions offer an excellent opportunity for baccalaureate degree holders to continue their professional develop ment. Candidates for graduate degrees should pay particular attention to the requirements for gradu ate admission and study. (See admission to the Graduate College, pages 455 457, and the *Graduate Catalog.*)

Fees and Expenses. Summer sessions stu dents pay only for the actual number of hours enrolled. The per semester hour fee is set by the Arizona Board of Regents and is consistent with

the fee assessed unclassified students enrolling for 1–6 semester hours during the academic year. The summer sessions semester hour fee includes the student activity fee. Out-of-state tuition is waived for all students during the summer sessions. See the current *Summer Sessions Bulletin* for fee structure. For summer housing arrangements, contact the Office of Residence Life at Arizona State University.

Information. Requests for the summer sessions *Schedule of Classes* or for other information should be addressed to the Office of Summer Sessions at Arizona State University, Tempe, AZ 85287–3003.



International Programs

Richard S. Olson, Ph.D.
Director

Arizona State University recognizes that in a highly interdependent world, knowledge and appreciation of other nations and cultures are essential. This international commitment is reflected by a variety of activities in teaching, research, and service. Arizona State University is especially active in Europe, Latin America and Asia.

The Office of International Programs

Located within the Office of the Provost, the Office of International Programs is responsible for promoting, facilitating, and in some instances administering university programs with an international emphasis. The activities include establishing university relationships with governments, foundations, and funding agencies; securing research, teaching, and service opportunities for faculty; and facilitating study abroad and exchange possibilities for students. The Office of International Programs also works with community and state organizations to increase international awareness

Area Studies

Special area studies programs are coordinated through the Center for Asian Studies (page 101), the Center for Latin American Studies, and the Russian and East European Studies Consortium (page 102). These groups publish journals, research reports, scholarly monographs, and books *in addition to coordinating educational programs* within the university and abroad

American Language and Culture Program

The American Language and Culture Program (ALCP) features an intensive, non credit course of study designed for adult international students who desire to become proficient in English as a second language for academic, professional, and/or personal reasons Applicants must be 18 years of age and must possess a high school diploma or its equivalent. All conditions of the United States Immigration and Naturalization laws pertaining to full time study in the United States must be met by all applicants. Beginning students are required to take an English placement test prior to the beginning of classes. Certificates of achievement are awarded on completion of the course. Admission to the program does not constitute regular admission to Arizona State University.

Beginning, intermediate, and advanced level courses provide instruction in grammar, pronunciation and speaking, listening comprehension, writing and composition, and reading and vocabulary. Academic advising and orientation to Arizona and the United States are integral parts of the program.

Program-wide social activities each term include a major field trip, a dinner, a picnic, a cultural activity, visits to museums, historical sites, and musical presentations.

Advanced level ALCP students may be permitted to concurrently enroll in up to two ASU credit classes with the approval of the director. Several special classes are offered through the ALCP. Classes in conversation and the Test of English as a Foreign Language (TOEFL) are offered alternate terms. Also, the ALCP offers a credit bearing class in the second cycle of each semester.

The fall and spring semesters are divided into two eight week cycles. Students may enroll for one or more cycles. An eight week summer session of study is also offered. Inquiries concerning admission requirements, enrollment and fee schedules should be sent to the ALCP, Irish Hall, Arizona State University, Tempe, Arizona 85287 3106.

In addition to its intensive English program, the American Language and Culture Program administers the international teaching assistant program and conducts special projects funded by the USIA and other agencies.

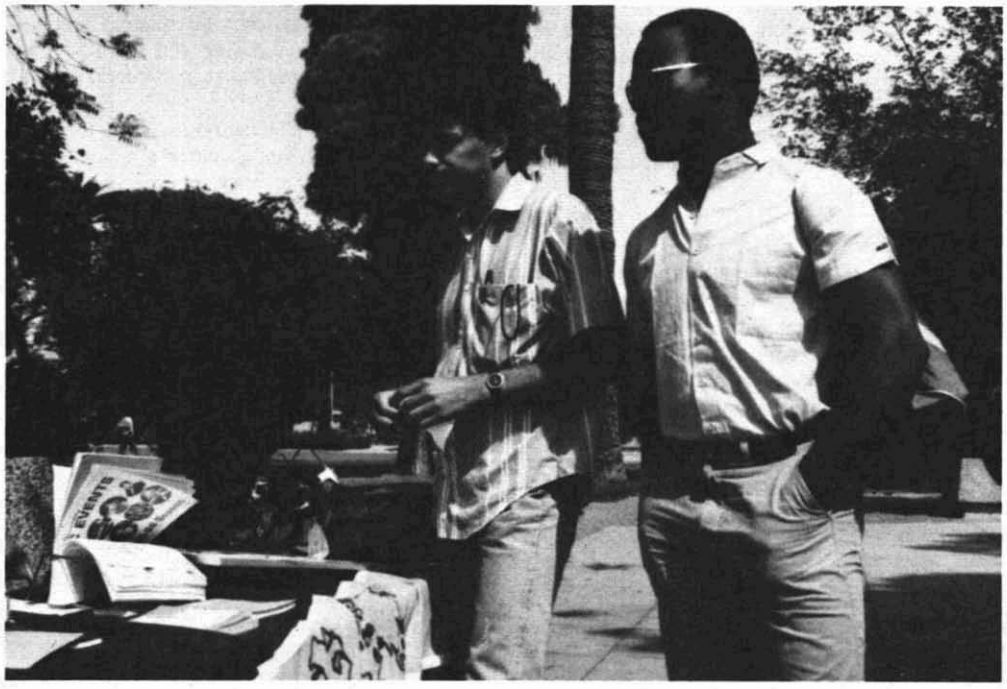
International Academic Programs

ASU Programs. Arizona State University provides extensive opportunities for study abroad and student exchange. Programs are operated by various units within the university and in partnership with other universities and agencies. Currently, semester and/or full-year programs are available in England, Wales, France, Germany, Israel, Italy, Spain, Yugoslavia, Mexico, Bolivia, Canada, China and Japan. In addition, special summer study programs are available each year. Success overseas depends on careful advanced planning. Many programs require the ability to speak a foreign language. Students should consult their academic advisor to determine how courses taken overseas will apply to their program of study. Generally, students who participate in Arizona State University programs may apply their financial aid for overseas study, receive resident credit, and achieve the most cost-effective overseas educational experience. General information about ASU's international academic program offerings is available from the Office of International Programs which will direct students to the appropriate program directors.

Non-ASU Programs. At times, continuing ASU students independently attend or participate in international academic programs sponsored by other universities and unaffiliated agencies. The Office of Undergraduate Admissions and the Office of International Programs work cooperatively to provide students with accurate information concerning overseas study and transfer credit.

The Office of International Admissions identifies the accreditation status of foreign institutions and issues a letter to each student advising him/her as to the accreditation status of the institution the student plans to attend. It is the responsibility of the student to consult with his/her degree program at ASU.

It is very important that students who plan to attend overseas study complete necessary readmission and catalog petition forms prior to leaving ASU. They will need to check with ASU's Registrar's Office to make sure they are following the university's policy in regard to readmission and graduation. If the student wishes to follow the degree requirements of the catalog in effect prior to his/her departure, he/she must file a petition with the college of his/her major.



Off-Campus Academic Services

John L. Edwards, Ed.D.
Executive Director

The Office of Off Campus Academic Services is the academic service arm of the university in providing the opportunity for off campus credit and noncredit courses. The following services and programs are available: off-campus courses for academic credit, correspondence study, noncredit courses, instructional television, Elderhostel Program, ASU Sun Cities and assistance in the development and administration of conferences.

Off-Campus Courses

As a convenience to students, off campus courses are organized and scheduled in locations conducive to enrollment in the metropolitan area and various locations in the eastern half of Maricopa County.

Credits earned off campus will be recorded on a student's permanent record in the same manner as those earned on campus and both will be equivalent in all academic considerations. Admission to and prerequisite requirements for a credit course must be the same whether the course is taught on or off the university campus. Identification of course content, method of instruction and evaluation, and selection and appointment of instructors for off campus courses remain the prerogative of the appropriate academic department with subsequent approval of the dean of the college.

The fee for off campus courses is $67.00 per semester hour. Full time students (students registered for seven or more hours through on-campus registration) may register for *off campus resident credit courses* without the payment of additional fees. Any combination of *on-campus and off-campus resident credit courses* resulting in a combined registration of seven or more semester hours requires that the student pay full time, in state registration fees, or full time out of state registration fees and the appropriate tuition (see page 21). Full time students who have paid registration fees and tuition (seven or more semester hours) *must also pay additional fees* if they enroll in off-campus credit courses that commence after the 21st calendar day of the start of each semester.

Correspondence Study

College credit correspondence courses offered by Arizona State University are specifically designed for the student unable to attend classes in person. They are offered for those who are seeking to fulfill degree objectives as well as for those who wish to increase their occupational, professional and intellectual skills.

Persons desiring to enroll in correspondence study should write to the Correspondence Study Office, Off-Campus Academic Services, for an enrollment form and a brochure listing the courses available. Students who have been admitted to the university and are intending to register for a correspondence study course must first obtain the approval of their advisors and the dean or the Standards Committee chair of the college in which they are enrolled. This approval is required of any continuing student whether he or she is or is not enrolled for courses during the summer sessions or the vacation periods. Student athletes are required to obtain prior approval from the faculty athletics representative in order for correspondence course credit to be used in meeting the NCAA "satisfactory progress" requirement. Unclassified undergraduate or graduate students are not required to obtain this approval. Correspondence study courses may not be utilized for repeating courses in which the student previously received a grade of "D," "E," or "I."

A correspondence course generally consists of eight lesson assignments for each semester hour of credit concluding with a final examination.

Eight to ten hours are normally required to pre pare each assignment.

A student will not be permitted to take the final examination for a course in less than seven days from date of registration for a one unit course, 14 days for a two unit course and 21 days for a three unit course.

Students are limited to one correspondence study course initially, with the expectation of completing that course within a calendar year. However, when one half the lessons are com pleted in the initial enrollment, enrollment in a second course is possible Students are limited to a maximum of two correspondence courses at any one time.

A maximum of 30 semester hours of credit earned in correspondence and/or by comprehen sive examination may be applied toward the bac calaureate degree at Arizona State University Correspondence courses are not applicable as graduate credit toward advanced degrees.

The fee for correspondence courses is $33.00 per semester hour of credit and is payable at the time of registration. This fee is required of all stu dents, including full time students who have paid registration fees and tuition on campus. Tuition waivers do not apply to correspondence study fees.

Admission to Off-Campus and Correspon-dence Course Programs. A student may en roll in an off campus or correspondence course without making formal application for admittance to the university or to degree candidacy. High school seniors may enroll in off campus or corre spondence courses under the provisions as stated for Conditional Admission Prior to Graduation from High School. (See page 31.)

Instructional Television Services

Television is a convenient, effective and efficient educational delivery system. Through television, it is possible to deliver selected educational op portunities to the adult population of Arizona. In structional Television Services uses television as an educational delivery system capable of turning homes, businesses and schools in rural and urban communities into learning environments

Noncredit Continuing Education

Arizona State University recognizes its responsi bility for providing effective continuing education activities. These activities, coordinated through the Office of Off-Campus Academic Services, are educational in nature and in conformance with es tablished university regulations and policies. All noncredit continuing education activities are ap proved by a college, or other approved agency of the university Activities may be co sponsored or conducted in cooperation with outside agencies or groups when there is internal university involve ment and control and the purpose of the activity is educational.

The Office of Off Campus Academic Services provides operating assistance, encourages pro gram development and coordinates all continuing education activities sponsored by university ad ministrative units and departments.

Elderhostel

Elderhostel at Arizona State University is a resi dential Continuing Education Special Program which brings a small group (30–40) of older citi-zens to the university campus for one or more weeks. It is a new earning opportunity for per sons over the age of 60. Courses specially de signed for the participants will be offered on a noncredit basis with no homework or testing. The courses do not pre suppose previous knowl-edge of the subject and because of the concen trated one week format, hostelers are able to move on to other universities within the national network The courses at Arizona State University are taught by regular faculty and outstanding community leaders. Some local elders may par ticipate as commuters, but the program spirit is based on the combined residential and academic experiences A wide variety of extracurricular ac tivities which take advantage of on campus op-portunities will be made available to hostelers and commuters alike

Arizona State University Sun Cities

The ASU Sun Cities educational facility is lo cated at the Bell Plaza Professional Building South, 17220 Boswell Boulevard, Sun City, Ari zona, in the nation's largest retirement commu nity. The courses offered are predominantly non credit and include a curriculum tailored specifi cally to the interests of the retirement community Each year more than 150 courses from approxi mately 30 disciplines are taught A variety of weekly lectures also are available throughout the year.

Occasionally credit classes are offered when the demand is warranted. The credit classes are taught by ASU faculty, some local Sun Cities re tired educators, retired professionals, foreign service officials and currently employed commu-nity educators.

The ASU On Wheels Educational Tours program provides more than 30 single-day trips and six or more multiple-day tours each year. Travels are made throughout the state of Arizona and bordering states with courses in Southwest history, geology, sociology and economy offered en route. Multiple day tours include stays at Lake Powell, Canyon de Chelly, northern Arizona/southern Utah areas, southern Arizona, New Mexico and Durango, Colorado.

ASU Sun Cities has developed a Women's Studies Program designed for mature women in areas such as self-actualization, self-confidence, self-image and self-knowledge. Upon completion of two core courses and six elective courses, a certificate to Women's Studies is awarded.

Some special educational programs are offered including a two-week educational study trip to Cuernavaca, Mexico, where students stay in local residents' homes and study Spanish five hours per day in The Center for Bilingual Multicultural Studies School. This high concentration of Spanish enables the student to absorb the language at a faster pace as they apply Spanish to their daily use.

University Conference Services

The Office of University Conference Services coordinates on-and-off campus conferences, seminars and workshops sponsored by any administrative unit or academic department within the university. Working closely with each of the university's colleges, complete conference services and assistance to any campus group desirous of conducting an educational program or professional meeting are offered. Services include, but are not limited to, general conference planning, budgeting, site selection, promotion and publicity, hotel/motel liaison, and overall logistical support for any and all phases of the conference. The office also aids in the development of guidelines, checklists and general operating procedures which serve to ensure coordination and smooth operation of continuing education activities sponsored by the various campus departments.



Faculty, University Offices and Services

The faculty listed are involved in both graduate and undergraduate instruction. Year following name indicates first appointment. Emeriti are included

Arizona Board of Regents

Ex Officio

Rose Mofford . . . . . *Governor of Arizona*
C. Diane Bishop, B.S., M.Ed., M.S. . . . . *Superintendent of Public Instruction*

Appointed

To January 1990

A. J. Pfister, B.S., LL.B.
Donald G. Shropshire

To January 1992

Edith S. Auslander, B.A., M.A.
Herman Chanen

To January 1994

Esther N. Capin, B.A., M.A.
Donald Pitt, B.S., LL.B.

To January 1996

Andrew D. Hurwitz, J.D.
Douglas J. Wall, J.D.

Student Regent

To June 1989

Patrick McWhorter, B.A.

Jacqueline Schneider, J.D. . . . . *Counsel to the Board*
Molly Corbett Broad, B.A., M.A. . . . . *Executive Director and Chief Executive Officer*

Administration

J. Russell Nelson . . . . . *President of the University to 6/30/89; Professor of Finance*
B.A., Pacific Union College; M.B.A., Ph.D., University of California, Los Angeles

Richard E. Peck . . . . . *Provost, Professor of English*
A.B., Carroll College; M.S., Ph.D., University of Wisconsin, Madison

Betty Turner Asher . . . . . *Vice President for Student Affairs; Associate Professor of Counselor Education*
B.A., Eastern Kentucky University; M.A., Western Kentucky University; Ed.D., University of Cincinnati

Brent W. Brown . . . . . *Vice President for University Relations; Associate Professor of Public Affairs*
B.A., Brigham Young University; M.A., Arizona State University; Ph.D., University of Illinois

Henry C. Reeves . . . . . *Vice President for Research; Professor of Microbiology*
B.S., Franklin and Marshall College; M.A., Ph.D., Vanderbilt University

Victor M. Zafra . . . . . *Vice President for Business Affairs*
B.S., F.S., Georgetown University; M.P.A., Princeton University

Vernon E. Lattin . . . . . *Provost and Vice President for ASU West Campus; Professor of English*
B.A., M.A., University of New Mexico; Ph.D., University of Colorado

Lawrence D. Mankin . . . . . *Assistant to the President for Administration; Associate Professor of Public Affairs*
B.B.A., City College of New York; Ph.D., University of Illinois

Ann E. Bergin . . . . . *Assistant to the President*
B.S., Northwestern University; M.A., Arizona State University

Colleges, Schools and Libraries

John Meunier ... . *Dean College of Architecture and Environmental Design, Professor of Architecture*
B Arch University of Liverpool England, M.Arch Harvard University, M A, University of Cambridge (England

Charles W. Connell ..... *Interim Vice Provost and Dean of the Faculty ASU West Campus*
B A, M A, University of Cincinnati, Ph D, Rutgers, The State University *Associate Professor of History*

John Kraft ..... *Dean College of Business, Professor of Finance*
B.S, St Bonaventure University, M.A., Ph.D, University of Pittsburgh

Gladys Styles Johnston ... *Dean, College of Education Professor of Educational Administration and Supervision*
B S, Cheyney State College; M Ed Temple University, Ph D Cornell University

C. R Haden ..... *Dean College of Engineering and Applied Sciences; Professor of Engineering*
B.S., University of Texas, Arlington M S, California Institute of Technology; Ph D, University of Texas, Austin

Seymour L Rosen ..... *Dean College of Fine Arts, Professor of Music*
B S, The Juilliard School

..... *Dean College of Law*

Samuel A. Kirkpatrick ..... *Dean, College of Liberal Arts and Sciences Professor of Political Science*
B S, Shippensburg State College, M A, Ph D, Pennsylvania State University

Janelle Krueger ..... *Dean, College of Nursing Professor of Nursing*
B S, M S, Ph.D., University of Colorado

..... *Dean, College of Public Programs*

Jesse F. McClure ..... *Dean School of Social Work, Professor of Social Work*
A B M S E, University of Michigan, Ph D, Brandeis University

Brian Foster ..... *Dean Graduate College; Professor of Anthropology*
B.A, Northern Illinois University, A.M, Ph.D, University of Michigan

Donald E. Riggs ..... *Dean University Libraries*
B A, Genevieve State College, M A, West Virginia University, M L S University of Pittsburgh,
Ed D, Virginia Polytechnic Institute and State University

Ted Humphrey ..... *Dean, The University Honors College, Professor of Philosophy*
A B, M A, University of California Riverside Ph D, University of California San Diego

Resident Faculty

Aannestad, Per (1975) ..... *Associate Professor of Physics Astronomy*
B.S., University of Oslo Norway, Ph D, University of California Berkeley

Acevedo, Roberto M 1964) ..... *Assistant Professor Emeritus of Spanish*
B.A, University of California Berkeley, M A, Ph D, University of Arizona

Acharya, Raghunath (1976) ..... *Associate Professor of Physics*
M Sc University of Delhi India, Ph D, University of Rochester

Adams, Karen L (1984 ..... *Assistant Professor of English*
B.A., M A, Ph D, University of Michigan

Adelson, Roger D (1974) ..... *Associate Professor of History*
B A, George Washington University, B Litt, University of Oxford England, M A, Ph D, Washington University

Aguilar, John L. (1976) ..... *Associate Professor of Anthropology*
B A University of California Los Angeles M A, California State University, Los Angeles,
Ph D, University of California, San Diego

Ahern, Maureen V. 1972) ..... *Professor of Spanish*
B A, University of New Hampshire Bachiller, Doctor en Letras Universidad Nacional Mayor de San Marcos Peru

Ahn, Taesik 1988) ..... *Assistant Professor of Accountancy*
B.B A, Seoul National University South Korea, Ph.D., University of Texas, Austin

Ai (1988) ..... *Associate Professor of English*
B A, University of Arizona, M.F A, University of California, Irvine

Aiken, Jane H (1985) ... *Associate Professor of Law*
B A , Hollins Co ege, J D , New York Univers ty, LL M , Georgetown Univer ity

A ken, Leona S 1985) ... *Professor of Psy hology Assc ciate Dean Research, College of Liberal Arts and Sciences*
B S , Virginia Commonwealth University M S Ph D Pu due University

Akers, Lex A. (1980 ... *Professor of Engineering*
B S E E M S E E., Ph D , Texas Tech University

Akins, William H (1975 ... *Professor of Theatre*
B A , Duke Univers ty, M A , Ph D University of Denver

Alberts, Janet K. 1989) ... *Assistant Professor of Communication*
B S Ed Ab le e Christian University, M.A , Ab ene Christian University Ph D University of Texas Austin

Alcock, John (1972 ... *Regents Professor of Zoology*
B A , Amherst College, Ph D , Harvard University

Aldrich, Frank T (1969 ... *Associate Professor of Geography*
B A University of Texas, M S , Ph D , Oregon State U n vers ty

Aldridge, Gordon (1978) ... *Professor Emeritus of Social Work*
B A , M A., M.S W , University of Toronto Ph D., University f Michigan

Alexander, Robert J. (1975 ... *Professor of German*
B.A., Macalester College, M.A , Ph D , University of Wisconsin, Madison

Alisky, Marvin (1957) ... *Professor of Political Science*
B A , M J Ph D., University of Texas

Allen, Theodore Jr. (1959) ... *Professor Emeritus of Engineering*
B S.M.E , M S.M E , Texas A&M University

Allison, Maria T (1984 ... *Associate Professor of Leisure Studies*
B S , M S , University of New Mexico Ph D , University of Illino s

Alquist, Lewis R 1984) ... *Associate Professor of Art*
B F A Fl rida Atlant c University, M F A , Cranbrook Academy of Art

Altheide, David L (1973 ... *Professor of Justice Studies*
B A , Centra Washington State Co lege, M A University of Wash ngton, Ph D , University of Ca ifornia, San Diego

Altman, Michael L (1972 ... *Professor of Law*
A B Bowdoin College; LL B , Boston Col ege LL M. Harvard University

Alvarado, Ronald H (1974 ... *Professor of Zoology*
B A , University of California Riverside M S Ph D , Washington State University

Amel, Eric (1988) ... *Associate Professor of Finance*
B.A , Oberl n Col ege, M.A., Ph.D., Wash ington University

Anderson, John C. 1987) ... *Assistant Professor of Accountancy*
B S , M S , University of Missouri, Kansas City Ph D , University of Tennessee

Anderson, Bruce A (1966 ... *Professor of Mathematics*
B A , M S , Ph D University of Iowa

Anderson, Douglas A. (1979) ... *Professor of Journalism and Telecommunication*
B A Hastings Col ege, M S , Kearney State College; *Director Walter Cronkite School of Journalism and Tele ommunication*
Ph D , Southern Illinois Univers ty

Anderson, Gary 1975 ... *Associate Professor of Reading and Library Science*
B S M Ed , Edinboro State Co lege, Ph D , University of P ttsburgh *Director, Professional Field Experiences*

Anderson, Mary R (1974) ... *Associate Professor of Engineering*
B A , Hope College, M.S , Ph D , University of Iowa

Anderson, Melvin S. (1967) ... *Associate Professor Emeritus of Finance*
B S. M.S Oklahoma State University, Ed D , Univers ty of Arkansas

Andress, Barbara L (1972) ... *Professor of Music*
B A , M A , Arizona State University

Angell C Austen 1989 . . . *...Professor of Chemistry*
B S , M S , Me bourne University (Australia Ph D U n versity of London (Eng and

Angulo, Julio (1981) . . . . . *. . . Assistant Professor of Social Work*
B.A., Univers ty of Houston Texas, M S W , University of California Le s Angeles Ph D Kansas State University

Appleton, Nicholas R (1972 . . . . . *. . . Professor of Educational Policy Studies*
B A , San F an sco State University; *Director Division of Educational Leadership and Policy Studies*
M A California State Un vers ty, North dge, Ed D U n ve sity of Massachusetts, Amherst

Applewhite, Steven (1985 . . . . . *Assistant Professor of Social Work*
B A , University of Texas, Aust n, M S W , Ph D , Un vers ty of Michigan

Aranda, Luis (19 . . . . . *Associate Professor of Finance*
B M , M Ed , n ve s ty of Arizona, J D Arizona State University

Arciniega, G M guel 1979 . . . . . *Associate Professor of Counselor Education.*
B S , M A , New Mex co State Un versity, *Acting Director Center for Bilingual and Bicultural Education*
Ph D., Un vers ty of Ariz na

Armstrong, Robert L (1967 . . . . . *Professor Emeritus f Secondary Education*
B A State Teachers Co lege of Iowa M S University of Iowa Ed D , Univer ity of Arizo a

Arner, Douglas G (1959) . . . . . *Profess r Emeritus of Philosophy*
B S , Creighton University M A , Ph D , University of Michigan

Arnold, William E. 1973) . . . . . *Professor of C ommunic ation*
B S , M A , Northern Il ino s University Ph D Pennsylvan a State Univer ity
Post Doctora Fe ow in Psychology Florida State U n vers ty

Aronson, Jerome M. 1966 . . . *Professor of Botany*
B A , Ph D University of California, Berkeley

Ashcroft, Edward A 1988 . . . . . *...Professor of Computer Science*
B A Cantab E gland , Ph D Imperial College of London England

Ashe, Robert W 1955) . . . . . *. Professor Emeritus of Education*
A B , M A Arizona State Un versity, Ed D , Un versity of Southern Cal fornia

Asher, Betty Turner (1982 . . . . . *Associate Pr fesor of Counsel r Education Vice President for Student Affairs*
B A., Eastern Kentucky U n versity, M A , Western Kentucky University, Ed D , University of C ncinnati

Ashford, Jose 1984 . . . . . *Assistant Profess or of Social Work*
B.A., Lovola Un vers ty, M S.W., Ohi o State University Ph D , Bowling Green State Univers ty

Ashley, Richard (1981 . . . . . *Associate Professor of Political S ience*
B A., U n vers ty of Califom a, Santa Barbara, M A Ph D Massachusetts Institute of Techno ogy

Atsumi, Takayori P (1968 . . . . . *Professor of Music*
B F A , Kun tachi Mus c Col ege (Japan , M M New England Conservatory of Music

Autore, Donald D. 1959 . . . . . *Professor Emeritus of Tec hnology*
B S E , Un versity of Michigan M S E Arizona State University

Avery, James P 1960) . . . . . *Professor Emeritus of Engineering*
B S M E M S M E , University of Michigan Ph D Purdue Un versity

Ax, Leland S 1959) . . . . . *Associate Professor Emeritus of Engineering*
B S.E., B S.R.E., Tri State Col ege: M S Kansas State Co lege

Axelrod, Morris 1972) . . . . . *Professor Emeritus of Sociology*
B A , Ph D U niversity of Michigan *Senior Research Associate, Survey Research Laboratory*

Axford, Roger W 1975) . . . . . *Associate Professor of Education*
B A Nebraska Wesleyan U versity, M A Ph D., University of Ch cago

Backhaus, Ralph A. 1977 . . . . . *Professor of Agribusiness and Environmental Resour es*
B.S , Rutgers, The State Un versity, M S , Ph D , University of Ca ifom a, Dav s

Backus, Charles E 1968 . . . . . *...Professor of Engineering; Assistant Dean,*
B S M E Ohio University, *College of Engineering and Applied Sciences*
M S , Ph D , University of Arizona *Director, Engineering Research Center*

Bacon, Sid P (1988) . . . . . *Associate Professor of Speech and Hearing Science*
B G S M A., University of Kansas; Ph.D , University f M nnesota

Badger, William (1985) . . . . . *Associate Professor of Constru tion; Chair, Department of Construction*
B S M E , Auburn University, M S C E Oklahoma State University Ph D , Iowa State U n versity

Baer, Steven M (1988) . . . *Assistant Pr fessor of Mathematics*
B S , M S , Ph D , University f Illinois, Chicago

Bagwell, Marilyn (1972 . . . . . *Assistant Professor of Nursing*
B S N University of California, Los Angeles, M A., Arizona State University, M.C H , University of Ca ifornia

Bahr, Donald M 1967) . . . . . *Professor of Anthropology*
A B , M A , Ph D , Harvard University

Bailey, James E (1974) . . . . . *Professor of Engineering*
B S I E , M S I E , Ph.D , Wayne State University

Bajaj, Krishnan K 1988 . . . . . *Professor of Electrical and Computer Engineering*
B S , M S University of Delhi (India Ph.D., Purdue University

Baker, Georgianne R (1971) . . . . . *Associate Professor of Family Resources and Human Development*
B S , Marygrove College, M.S , Ohio State U n vers ty, Ph D , Michigan State University

Balanis, Constantine (1983) . . . . . *Professor of Engineering, Director, Telecommunications Research Center*
B.S.E E., Virg n a Polytechnic Institute M S E , University of Virginia; Ph D , Oh o State Un versity

Balasubramanian, Krishnan (1983 . . . . . *Associate Professor of Chemistry*
M Sc , Birla Institute of Technology Sc ence India , M A Ph D Johns Hopkins University

Baldini, Pier Raimondo (1978) . . . . . *Ass iate Professor of Italian*
B A , San Francisco State University, M.A , University of British Columbia Canada ,
Ph D , University of California, Los Angeles

Balling, Robert C. 1987) *Assistant Professor of Geography; Director, Climatology Lab ratory*
A B Wittenberg U nivers ty; M.A Bowling Green State University, Ph D , University of Oklahoma

Banks, Stephan P 1987) . . . . . *Assistant Professor of Communication*
B A , University of Wash ngto · M.A , Ph D , University of Southern California

Bantz, Charles R. 1986) . . . . . *Associate Professor of Communication*
M A , University of Minnesota, Ph D Ohio State University

Bardewyck, Loretta A. 1957 . . . . . *Professor Emeritus of Nursing*
P H N B S , Univers ty of Minnesota, M.S , C rnell University

Bardrick, Richard A 1956) . . . . . *Asso iate Profess r Emeritus of Psychology*
A B , Ph D , University of California, Los Angeles

Barker, David 1983) . . . . . *Assistant Professor of Theatre*
B S E. Duquesne Un versity, M F A , Rutgers, The State University

Barkley, Margaret V. (1963) . . . . . *Professor Emeritus of Family Resources and Human Development*
B.S., Mi likin University, M S , Ed D , University of I linois

Barkson, Joseph A (1958) . . . . . *Professor Emeritus of Engineering*
B S E E , University of Michigan M S Ph D University of I lin is

Barlow, Richard B (1964) . . . . . *Professor of History*
B.A , M A., Ph D., University of Pennsylvania

Barnhill, Robert 1986) . . . . . *Professor of Computer Science Chair, Department of Computer S ience*
B A , University of Kansas, M A Ph D University of Wiscon n, Madis n

Barona, Andres (1986) . . . . . *Associate Professor of Education*
B.S , M Ed , Texa A&M University, Ph D , Un versity of Texas, Austin

Baroody, Wilson G. (1957) . . . . . *Assistant Professor of English*
B A , Grand Canyon College M A , University of Arizona

Barrera, Manuel (1977) . . . . *Ass ciate Professor of Psychology Director Clinical Psychology Center*
B.S , University of Wisconsin, Eau Claire, M A , Ph D. University of Oregon

Barrett, Thomas W (1950) ... *Professor Emeritus of Agribusiness and Environmental Resources*
B S , Brigham Young University M S , Ph D , Cornell University

Barroll Aschaffenburg, Rayna (1980 ... *Associate Professor of Music*
B M , University of Texas, D M A University of Maryland

Bartels, Robert D. (1981) ... *Professor of Law*
B A , University of Michigan; J D , Stanford University

Bartz, Donna R (1968) ... *Associate Professor of Theatre*
B F A M A. University of Colorado

Bassford, Gerald (1969) ... *Associate Professor of Management*
B S , M S , University of Wyoming, D.B A , Indiana University

Bataille, Gretchen M (1988) ... *Professor of English, Chair, Department of English*
B S M A California Polytechnic State University, D A , Drake University

Batalden, Stephen K (1976) ... *Associate Professor of History*
B A Augsburg College, M A , Ph.D , University of Minnesota

Batchelor, Harold W (1943 ... *Professor Emeritus of Library Science*
B A University of Oregon, B S , M S , University of Illinois

Baty, Wayne M (1962) ... *Professor Emeritus of General Business*
B S. Southwest Missouri State College M A , Northwestern University, Ph D , University of Southern California

Baxter, Harry R. (1984) ... *Assistant Professor of Technology*
B A. New York University, M B A , Fairleigh Dickinson University, M Tech , Arizona State University

Beakley, George C. Jr. (1956) ... *Professor of Engineering,*
B.S.M E., Texas Tech University *Associate Dean College of Engineering and Applied Sciences,*
M S M E , University of Texas, *Director School of Engineering*
Ph D , Oklahoma State University P E *Director, Engineering Core and Special and Interdisciplinary Programs*

Beck, Lasca (1984) ... *Instructor of Nursing*
B S N Texas Woman's University, M Ed , East Texas State University

Becker, R James (1965) ... *Professor of Public Affairs*
B S M A., Bradley University, Ph D , University of Illinois

Beckman, James R. 1980) ... *Associate Professor of Engineering*
B S., M.S , University of Wisconsin, Ph D University of Arizona

Bedient, Jack D (1963 ... *Associate Professor of Mathematics*
A B , Albion College, M B S Ed D , University of Colorado

Bedworth, David D. 1963) ... *Professor of Engineering*
B S I E Lamar College of Technology, M S I E , Ph D , Purdue University

Bell, James W (1966) ... *Professor of Secondary Education*
A B., Washburn University, M Ed , Ed.D., University of Kansas

Bell, John E. (1965) ... *Professor of Secondary Education*
B S., University of Nebraska M A , Ed.D., University of Wyoming

Bell, Mary E 1970) ... *Associate Professor Emeritus of Education*
B S., Indiana State Teachers College, M.S , Butler University, Ed D Indiana University

Bell, Shirley (1988 ... *Assistant Professor of Nursing*
B S.N., University of Cincinnati, M S.N., Wayne State University, Ed D , West Virginia University

Bellamy, Lynn (1976) ... *Associate Professor of Engineering*
B S., Texas A&M, M.S , Ph D , Tulane University

Belok, Michael V. (1959) ... *Professor Emeritus of Educational Policy Studies*
B S , Indiana University; M A , Arizona State University Ph D., University of Southern California

Beltramini, Richard F. (1979) ... *Associate Professor of Marketing*
B.S., M.S University of Illinois Ph D , University of Texas, Austin

Benavides, Alfredo H (1988) ... *Associate Professor of Education*
B.A., Texas A&I University, M A , Ph.D., Michigan State University

Bender, Bert A. 1971 ..... *Professor of English*
B A , Unive s ty of Washington, Ph D Un vers ty of California, Irvine

Bender, Gordon L 1953 ..... *Professor Emeritus of Zo logy*
B.S , Iowa State Col ege, M S , University of Wis onsin Ph D , Un versity of Illino s

Bender, Paul 1984) ..... *Profes r of Law*
A B., LL B , Harvard Un versity

Benedict, Joel A. (1946) ..... *Professor Emeritus of Educ ation*
B A , M A , Arizona State University Ed D , Stanford Univers ty

Ben n, David B 1970) ..... *Associate Profess n of Physics*
A B , Cornel Un versity M A , Ph.D , University of Rocheste

Benin, Mary B 1979) ..... *Ass ciate Profess r of S ciology*
B A Vanderbilt Un ver ity, M A Ph D , University f Nebraska, L co n

Bennett, E Dean 1970) ..... *Profesor of Journalism and Telecommunication*
B A Brigham Young Unive ty, M A , Ph D , M chigan State University

Bennett, Peter A 1984 ..... *Assistant Professor of Physics*
B A University of Minnesota, Ph D , Univers ty of Wisconsin

Benzinger, Robert P. 1970) ..... *Associate Professor Emeritus of Design*
B S M E U v rsity of Wiscon n M A E Chrys er Institute of Engineering

Berch, Michael A. (1969 ..... *Profe sor f Law*
B A , D , Columbia L vers ty

Ber iner, David C 1987) ..... *Professor of Elementary Education and Educational Psychology*
B A , University of Ca fornia, L s Ange es, M A Los Angeles State C l ege, Ph D Stanford University

Berman, David R. 1966 ..... *Profess r of Polit al Science*
B.A. Rockford Co lege M A Ph D Am rican University

Berman, Neil S. 1964). ..... *Pr fessor f Engineering*
B.S., U iversity of W sc nsin M S M A , Ph D , University of Texas

Bernal, Martha E 1986) ..... *Pr fess r of Psychology*
B A , University f Texas E Paso M A , Syracuse Univers ty; Ph D , I diana University

Bernhisel Osborn, Kristin 1986 ..... *Assistant Prefess r of Art*
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Bernstein, Bianca L. 1987 ..... *Professor of Counseling Psychology Ass ciate Dean,*
B A Univers ty of Ca ifom a, Berkeley *Graduate Programs and Research College of Educatic n*
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Bertelsen, Wendle R (1964) ..... *Assistant Prefess r of Architecture*
B Arch Univers ty of Michigan M Arch., Univers ty of A zona

Bessom, Richard M (1968 ..... *Associate Professor Emeritus of Marketing*
A B , Cornell University; M B A., Stanf d U versity Ph D., Un versity of Wash ngton

Betz, M Austin (1974 ..... *Associate Prefessor of Education, Program Coordinator*
B S , Lock Have State College· *Measurement, Statisti s, and Meth dological Studies*
M Ed , Pennsy vania State University, M A T., Brown Un versity; M A Ph D University of Illinois

Betz, Mathew J III (1961) ..... *Pr fessor of Engineering Vice Pre vost f r Planning*
B S , M S Ph D Northwestern Universit

Bezanson, Llewellyn W 1983 ..... *Assistant Pr fessor f Eng neering*
B.S , University of Florida M S Clarkson College f Techno ogy, Ph D Clarkson L vers ty

Bickford, Will am B 1966) ..... *Pr fessor of Engineering*
B S., M S , Kansas State University Ph D , Univ rsity of I linois

Bieber, Allan L (1963 ..... *Professor of Chemistry*
B S , M S North Dakota State Univers ty, Ph D , Oregon State Un versity

Bilimoria, Karl D. (1987) ..... *Assistant Professor of Engineering*
B Tech , Kanpur India , M S , Ph D , Virginia Polytech Institute and State University

Bininger, Robert J. (1962) ..... *Professor Emeritus of Spanish*
B A M A , Ph D , Ohio State University

Birge, Edward A (1972)... ..... *Associate Professor of Microbiology*
B A Ph D University of Wisconsin, Madison

Birk, James P (1973)..... *Professor of Chemistry*
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Bitner, Mary J (1987) ..... *Assistant Professor of Marketing*
B.A., M B A , Ph.D , University of Washington

Bitter, Gary G. 1970 ..... *Professor of Educational Media and Computers, Program Coordinator, Media Computer Based Education*
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Bjork, Robert E 1983) ..... *Associate Professor of English*
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Blackburn, Jack B. (1972) ..... *Professor Emeritus of Engineering*
B S C E , Oklahoma University, M S C E, Ph D., Purdue University

Blackham, Garth J 1962) ..... *Professor Emeritus of Counselor Education*
B.S , M S Utah State University, Ph D Cornell University

Blackledge, Vernon O. (1969 ..... *Professor of Computer Science*
B S E E , University of Illinois, M S E E , University of Santa Clara Ph.D., Arizona State University

Blaesser, Willard W (1968)..... *Professor Emeritus of Counselor Education*
B S M A , University of Wisconsin, Madison, Ed D George Washington University

Blakemore, Arthur E (1979 ..... *Associate Professor of Economics*
B S , M A , University of Detroit, Ph D , Southern Illinois University

Blankenship, Robert E. (1985) ..... *Professor of Chemistry*
B.S , Nebraska Wesleyan University, Ph D., University of California, Berkeley

Blanchard, Jay S. (1988) ..... *Associate Professor of Education*
M S T , Drake University, Ph D , University of Georgia

Blasko, Vincent J. 1980 ..... *Associate Professor of Marketing*
B.S , M B A , Arizona State University Ph D , University of Texas, Austin

Blaze, Douglas A 1986) ..... *Associate Professor of Law*
B.S , Dickinson College, J.D., Georgetown University

Blechschmidt, James (1986) ..... *Assistant Professor of Engineering*
B S , M.S , Ph.D , University of Wisconsin, Madison

Bley, Thomas S. (1988)..... *Associate Professor of Design*
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Boatsman, James R. (1986) ..... *Peat Marwick Professor of Accountancy*
B.S., M S , Oklahoma State University, Ph D , University of Texas, Austin

Boetto, Laurel B (1956 ..... *Assistant Professor Emeritus of Education*
B.A., M A , Arizona State University

Bogart, Quentin J. 1970) ..... *Associate Professor of Higher Education*
B A , M S , Fort Hays State College Ph D University of Texas, Austin

Boggs, Lohnie J (1959 65; 1966) ..... *Professor Emeritus of General Business*
B S M A , Ph.D , Ohio State University

Bohlander, George W. (1977) ..... *Professor of Management*
B A , San Francisco State College, M B A , University of Southern California Ph D , University of California, Los Angeles

Bohlman, Herbert M. (1964) ..... *Associate Professor of Finance*
B S , B A Drake University, M.B.A., J D , Indiana University

Boissoneau, Robert (1980) ..... *Professor of Health Administration and Policy*
B.A., Eastern Michigan University, M H A , Medical College of Virginia, Ph D Ohio State University

Bontrager, O R (1962) ..... *Professor Emeritus of Education*
B.S., M A , Ph D State University of Iowa

Booth, James R (1980) ..... *Associate Professor of Finance*
B S , M A , Ph D , University of Alaban a

Borgo, Philip E 1967 ..... *Associate Professor Emeritus of Engineering*
B S C E , University of Cincinnati, M S , Ohio State University

Bortner, M A 1979) ..... *Associate Professor of Justice Studies*
B A , Edinboro State College, M A Ohio University, Ph.D., Washington University

Bose, Anjan 1981) ..... *Professor of Engineering*
B Tech , Indiana Institute of Technology, M S E.E University of California, Ph D E E , Iowa State University

Boswell, Jacquelyn (1982 ..... *Professor of Music*
B M.E., Murray State University, M M E , Louisiana State University, Ed D University of Illinois

Boulin Johnson, Leanor 1988) ..... *Associate Professor of Family Resources and Human Development*
B.S., East Tennessee State University, M S , Ph D , Purdue University

Bowers, Charles O (1948) ..... *Professor Emeritus of Music*
B S., Southeast Missouri State College, M.M , D M A , Eastman School of Music

Bowers, Deloss H. (1984) ..... *Associate Professor of Technology*
B A , Ohio State University M S Purdue University

Bowman, Russell K 1956 ..... *Professor Emeritus of Romance Languages*
A B , A M , Ph D., Columbia University

Boyd, Gertrude A. 1958) ..... *Professor Emeritus of Education*
A B , M S., Florida State University, Ed.D , Colorado State College

Boyd, James H (1976 ..... *Professor of Accountancy*
B.B.A., Texas Christian University, M S Northeastern University Ph D University of Texas, Austin, C P A., Texas

Boyer, Agustín (1988 ..... *Assistant Professor of Foreign Languages*
Licenciado en Bellas Artes, M A , Universidad de Madrid Spain); M A San Francisco State University, Ph D , University of California, Berkeley

Boyer, Don L 1988 ..... *Professor of Mechanical and Aerospace Engineering, Chair Department of Mechanical and Aerospace Engineering*
B S , Rensselaer Polytechnic Institute, Ph D., Johns Hopkins University

Boyer Jay M. 1976) ..... *Associate Professor of English*
B A , St Louis University, M A Ph D., State University of New York, Buffalo

Boyes, William J. 1974) ..... *Professor of Economics; Chair, Department of Economics*
B S , Idaho State University, Ph D , Claremont Graduate School

Boyle, Bernard M. (1969 ..... *Professor of Architecture*
B Arch , University of Sydney (Australia M Arch , M.A., Ph.D , Yale University

Brack, O M Jr. (1973 ..... *Professor of English*
B A , M A., Baylor University, Ph D , University of Texas, Austin

Brada, Josef C. (1978) ..... *Professor of Economics*
B.S , M A , Tufts University, Ph D , University of Minnesota

Brady, Ward W 1973) ..... *Professor of Agribusiness and Environmental Resources*
B S , M S , Ph.D., Colorado State University

Bramlett Solomon, Sharon (1986 ..... *Assistant Professor of Journalism and Telecommunication*
B A , M A , Memphis State University, Ph D , Indiana University

Brand, Mark 1968) ..... *Associate Professor Emeritus of Social Work*
B A , M A , University of Arizona M S W , University of California, Berkeley

Brandt, Elizabeth A. 1974) ..... *Associate Professor of Anthropology*
B A , Florida State University; M A , Ph D Southern Methodist University

Brandt, Beverly K (1987) ..... *Assistant Professor of Design*
B F A , University of Michigan, M A Michigan State University Ph D , Boston University

Branstetter, Ellamae 96 ..... *Professor of Nursing*
B S St ou s Unive s ty; M P H , Un vers ty f Minnes ta, Ph D Univers ty t h c

Braun, J. Jay (1973 ..... *Professor of Psychology*
B A Un versity of Or o M A Ph D , Oh State U vers ty

Braver, Sanford L 1970 ..... *Professor of Psychology*
B A Wayn St t Univ rsity Ph D , n versity f Mich an

Brazel, Anthony J 1974) ..... *Professor of Geography*
B A , M A Rutgers Th State Univ rsity Ph D , Un ver ity of Mich gan

Breckenridge, Jack D (1962) ..... *Professor of Art*
B S U iversit f W sconsin Mi waukee M F A n vers y of wa

Bremner, Andrew 1984 ..... *Professor of Mathematics*
B A., M A Un versity of Oxford England Ph D Un vers ty f Cambr d Eng d

Brenenstuhl, Daniel C 1978 ..... *Associate Professor of Management*
B S , M B A Ohi Un versity, M S , St B rivent re n vers ty D.B A , Ind ana Un ver ity

Bresina, Bertha M 1960 ..... *Professor Emeritus of Family Resources and Human Development*
B S M S St t St te Un versity, Ph D I wa State Un ver ity

Brink Daniel T 1976 ..... *Associate Professor of English*
B A aw ence U vers , M.A., Ph D Unive sity of W sco sin, Mad s n

Brink, Jeanie R 1974 ..... *Professor of English Director, Arizona Center for Medieval and Renaissance Studies*
B A , Northwestern U vers t , M A , Harvard Un versity
Ph.D , U ver ity of Wi c nsi , Madis n

Britten, Dennis (1987 ..... *Assistant Professor of Theater*
B.A , M A , State Unive sity of New York, St ny Bro k

Britton, Danie R. 1976 ..... *Associate Professor of Art*
B F A M F A , Un ersity of Co ora d

Britton, David 1987 ..... *Associate Professor of Music*
B M , North Texas Stat v r ity

Britton, Mervin W 1956 ..... *Professor of Music*
B S , M S Unive sity f Ill n s

Broadley, Hugh T 1969 ..... *Professor Emeritus of Art*
A B. Park C l ege M A Yale Un versity Ph D , New Y rk Univers ty

Broadman, Bart 1989) ..... *Assistant Professor of Finance*
B S , University of Cal fornia Davis M B A Ph D Univers ty f S uthern C lif rnia

Brock John H 1977 ..... *Associate Professor of Agribusiness and Environmental Resources*
B S M S , Fort Hays State Universit Ph D , Texas A&M Unive s ty

Brook Weston L 1966 ..... *Associate Professor Emeritus of Education*
B A M A Ed D Univer ty of Wy min

Brooks, Daniel G 197 ..... *Associate Professor of Statistics*
B S M S Colo r d Scho f Mines M B A Ph D Indiana Unive s ty

Brose, Mar anna F. 1963 ..... *Assistant Professor of English*
B A , C llege f W l am a d Mary, M A , Ariz n State Univers ty

Brown, Alan R. (1968 ..... *Associate Professor of Counselor Education*
B A , M A L s Ange es State C l ege Ph D , Un vers ty of Texa Austin

Brown, Brent W. 1972 ..... *Associate Professor of Public Affairs Vice President for University Relations*
B A , Brigham Y ung Un vers ty, M A Arizona State Un ve ty; Ph D , Un vers ty of Il n s

Brown, Donald E 1963 ..... *Professor Emeritus of Journalism and Telecommunication*
B A M A nivers ty of Iowa

Brown Duane (1950) ..... *Professor Emeritus of Chemistry*
B S , Brigham Y ung Univer ity Ph D , Cornel Un versity

Brown, Eddie F 1986 *Associate Professor of Social Work, Director Community Relations*
B S , Brigham Young University M S W D S W , University of Utah

Brown, Richard L 1982 *Professor of Law Director Law Library Associate Dean, College of Law*
B A University of California Los Angeles, J D Indiana University M L L , University of Washington

Brown, Stephen W. 1974 *Professor of Marketing Director First Interstate Center for Services Marketing*
B.S , M B.A , Ph D , Arizona State University

Brown, Theodore M 1963 *Professor of Chemistry*
B S , M S , University of Toledo Ph D , Iowa State University

Brown, Walter C. (1966 *Professor Emeritus of Technology*
B.S , Northwest Missouri State University M Ed , Ed D , University of Missouri, Columbia

Bruner, May I. 1961 *Associate Professor of Nursing*
B.S , University of Hawaii , M.S., University of Colorado

Bruns, Gilbert H. 1974) *Associate Professor of Justice Studies*
B S , M Ed , South Dakota State University, Ed D Arizona State University

Bryant, Ennit, Captain 1988 *Assistant Professor of Military Science*
B A , St Augustine's College

Bryant, Fred O 1950 *Associate Professor Emeritus of Physical Education*
B S , Springfield College M.S , University of Illinois, Ed D Arizona State University

Buckingham, Willis J (1969) *Professor of English*
A B , Harvard University, M S University of Wisconsin, Madison Ph D , Indiana University

Buley, Jerry L. (1973) *Associate Professor of Communication*
B A , University of Colorado M A Michigan State University, Ph D Florida State University

Burdette, Walter E 1956 *Professor Emeritus of Technology*
B S , M S Kansas State College of Pittsburg Ed.D , University of Missouri, Columbia

Burdick, Richard K 1976 *Professor of Statistics*
B S , University of Wyoming M S Ph D Texas A&M University

Burg, B Richard 967 *Professor of History*
B A , University of Colorado M A Western State College of Colorado Ph D. University of Colorado

Burgess, Hugh 1974 *Professor of Planning*
B S , University of Idaho, M S. Arch , Columbia University, Arch D Rice University

Burgess, Paul L 1969 *Professor of Economics*
B S , Ph D University of Colorado, Boulder

Burgoyne, Edward E 951 *Professor Emeritus of Chemistry*
B S , Utah State University M S Ph D , University of Wisconsin Madison

Burk, Karl W 1949 *Associate Professor Emeritus of Technology*
B A , M A Arizona State University, Ed D Bradley University

Burke, Joy Patricia 1951 *Associate Professor of Education*
B A , San Jose State University M Ed Ed D , Rutgers, The State University

Burke, William F Jr (1977 *Associate Professor of Microbiology*
B A , University of Dallas, M A , North Texas State University Ph D , Arizona State University

Burke, William J (1962 *Professor Emeritus of Chemistry*
A B , Ohio University Ph D Ohio State University

Burkett, Lee N 1974) *Professor of Physical Education*
B.A., M A , San Diego State University, Ph D Washington State University

Burns, Elizabeth K 1983 *Professor of Geography*
B A , Smith College M A Ph D University of California, Berkeley

Burrows, Veronica 1986 *Assistant Professor of Engineering*
B.S , Drexel University, Ph D Princeton University

Burstein, David 1982 *Associate Professor of Physics Astronomy*
B A Wesleyan University Ph D , University of California, Santa Cruz

Burt, Donald M. 1974 ..... *Professor of Geology*
A.B., Princeton University; A.M., Ph.D., Harvard University

Burton, Dora (1976) ..... *Assistant Professor of Russian*
M.D., First Leningrad Kazan Medical Institute, Russia; M.A., Ph.D., University of Washington

Burton, Foster M. 1969 ..... *Associate Professor of Construction*
B.S.C.E., B.S., Carnegie Institute of Technology, M.B.A., New York University; Ph.D., University of Pittsburgh

Buseck, Peter R. (1963) ..... *Professor of Chemistry and Geology*
B.A., Antioch College; M.A., Ph.D., Columbia University

Bush, Donald J. 1975) ..... *Associate Professor of Design*
B.S., Arizona State University; M.A., University of Notre Dame; Ph.D., University of New Mexico

Bustoz, Joaquin (1975 ..... *Professor of Mathematics*
B.A., M.A., Ph.D., Arizona State University

Buter, Thomas A. 1986 ..... *Assistant Professor of Aerospace Studies*
B.S., M.S., North Carolina State University

Buttery, Jay Q. 1972 ..... *Associate Professor of Finance; Director, Arizona Real Estate Center*
B.B.A., M.B.A., University of New Mexico; Ph.D., University of Washington

Cabianca, William A. 1967 ..... *Professor of Counselor Education*
B.Ed., Gonzaga University; M.Ed., Ph.D., Washington State University

Cachey, Theodore 1984 ..... *Assistant Professor of Italian*
B.A., Northwestern University; M.A., Ph.D., University of California, Los Angeles

Cady, Lynell E. 1983 ..... *Associate Professor of Religious Studies*
B.A., Newton College; M.T.S., Th.D., Harvard University

Cale, Timothy S. 1981 ..... *Associate Professor of Engineering*
B.S., Arizona State University; Ph.D., University of Houston

Calfarman, Thomas E. 1980 ..... *Associate Professor of Operations Management*
B.B.A., West Texas State University; M.B.A., Arizona State University; Ph.D., Purdue University

Caleros, Charles R. 1980 ..... *Professor of Law*
B.A., University of California, Santa Cruz; J.D., University of California, Davis

Cannright, James E. 964) ..... *Professor Emeritus of Botany*
B.A., Mount Union College; A.M., Ph.D., Harvard University

Capco, David G. (1984 ..... *Assistant Professor of Zoology*
B.S., Edinburg State College; M.S., University of Houston; Ph.D., University of Texas, Austin

Cady, Robert L. 1988 ..... *Associate Professor of Management*
M.A., Central Michigan University; Ph.D., Virginia Polytechnic University

Carlsen, Paul A. 1978 ..... *Assistant Professor of Technology*
B.A.E., M.N.S., Ed.D., Arizona State University

Carlson, A. Clerece 1988) ..... *Assistant Professor of Communication*
B.A., M.A., Colorado State University; Ph.D., University of Southern California

Carlson, Ingeborg L. 1964 ..... *Professor of German*
Abitur, Holderlin Schule, Heidelberg; Vorsemesterstudium, Heidelberg University of Heidelberg, West Germany
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Carlson, Ron 1986 ..... *Assistant Professor of English*
B.A., M.A., University of Utah

Carney, James D. 1967 ..... *Professor of Philosophy*
M.A., Roosevelt University; Ph.D., University of Nebraska, Lincoln

Carpenter, Ellon D. (1988) ..... *Assistant Professor of Music*
B.A., Denison University, M.A., Kent State University; Ph.D., University of Pennsylvania

Carpenter, R. W. (1980) ..... *Professor, Center for Solid State Science and Engineering, Director, Center for Solid State Science*
B.S., M.S., Ph.D., University of California, Berkeley

Carr, Christopher 1985 . . . . Associate Professor of Anthropology
B A , U ivers ty f Ill n Chi ag C rc e M A Ph D Un versity of M h ga

Carrigan, Larry E 1986 *Professor of Aerospace Studies, Chair, Department of Aerospace Studies*
B S , Ariz na State Un r s ty M S Sh ppensb rg State Un v rsity

Carroll, Christina 1966 . Professor Emeritus of Musi

Carroll, James L (1976 . . . . . Professor of Education
B A Bethel C e Ph D U ver ty f Minnes ta

Carroll, Kevin K 1975 . . . . . Assistant Professor of History
B A , Can sius C l ege M A Ph D , Harvard Univers ty

Carroll Steven 1985 . . . . . As sistant Professor of Statistics
B S ne n vers ty, M S , Ore_on St te Univ rs ty M B A Ph D , n ve s ty f Ore

Carson Kenneth P 1986 . . . . Assistant Professor of Management
B S B A Gene C l ege M A Ph D , ve s ty f Ak

Carver George L 96 . . . . . Associate Professor of Classical Languages
B A M A U ve s t f Tex s S T B St Mary s Se ary Ph D , St L i U ver ty

Casanova, Ursula 1987 . . . . . Assistant Professor of Educational Administration and Supervision
B A H ite C lege f th C ty f N w Y rk, and Educational Policy Studies
M S Stat Un vers ty f New York Br kport Ph D Ar na Stat Un ver ty

Case, James L 1969 Associate Professor of Speech and Hearing Science
B S Weber Stat Co l e M S Ph D Un ve ty of Utah

Casey, Kathleen 1988 . . . . . Assistant Professor of Education
B A C l ege f New Roc e le, M A , n ve ty f Le ds E nd

Castellazo, Ismael 1984 . . . . . Assistant Professor of Engineering
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Cavaliere, William A 1946 . . . . Assistant Professor Emeritus of Technology
B A M A A z na State n ver ty

Cavender, Gray 1977 . . . . . Associate Professor of Justice Studies
B S U ver ty f Ten e see M S Mdd e e nessee State U vers ty Ph D F rida State Univers ty
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Cayer, N Joseph 1980 . . Professor of Public Affairs Director, School of Public Affairs
B A M P A , Un vers ty f C l rad Ph D , Un v rs ty f Massa husetts

Cazier Mont A 1962 . . . . . Professor Emeritus of Zoology
B S , Ph D , Un vers ty of Ca f rnia Berke ey

Cerveny, Randal S 1986 . . . . Assistant Professor of Geography
B S , M A Ph D Uni versity f Nebraska

Cesta, John R 1975 . . Associate Professor of Finance
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Chaquest, Richard R 1971) . . . . . Professor of Agribusiness and Environmental Resources
B S , D V M Washingt n State University M S Ph D C rne Unive s ty

Chamberlin, Ralph V (1986 . . . . . Assistant Professor of Physics
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Chance, John K. 1987 . . . . . Associate Professor of Anthropology
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B S Un ve ty of S uth Carol na, M B A , Texas A&M University Ph D , Univers ty of Georg a

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B S.E E M S.E.E Ph D . Un versity of Mich gan

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Goldstein, E rott S 1974) . . . . . *Asso iate Pr fessor of Zool gy*
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Go dstein, Myron 1963 . . . . . *Pr fesso r f Mathem ti s*
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Gordon, Leonard 1967 ..... *Professor of S tol gy, Chai Department of Sc tology*
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Greeneich, Edwin W 1982 . .. . *.Resear h Ass ciate Professor of Engineering*
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B S , Un versity f Mary ar d, M A Geo rge Washington U vers ty, Ph D , American U vers ty

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He mstadte , G C 1959) ..... *Profess r of Edu ati n Dire tor Di vi n of Psych l gy in Educat n*
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Helton, Jon C 1973 ..... *Profess r of Mathen atics*
B S , Sc uthwest exas State C l ege, M A , Ph D , n v rs ty of Texas, Aust n

Henderson, Mark 1984 ..... *Assistant Professor of Engineering*
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Hero, Rodney E. 1988). ... *Associate Professor of Politi a Science*
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Hestenes, David O 1966) ... *.... ..Professor of Physi s*
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Ismail, Mourad E. 1978 ..... *Professor of Mathematics*
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Iverson, Peter 1986 ..... *Professor of History*
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Jackiewicz, Zdzisław 1987 ..... *Associate Professor of Mathematics*
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Jackson, Marvin R., Jr. 1962 ..... *Professor of Economics*
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Jacob, Richard J. (1963) ..... *Professor of Physics, Chair, Department of Physics*
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Jacobowitz, Ronald 1970 ..... *Professor of Mathematics*
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Jacobs, Bertram L. 1985 ..... *Assistant Professor of Microbiology*
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Jacobson, Dean L. (1974) ..... *Professor of Engineering*
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Jain, Nemi C. 1976 ..... *Professor of Communication*
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Jankowski, Daniel F. (1964 ..... *Professor of Engineering*
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Jay, Bill 1974 ..... *Professor of Art*
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Jenkins, William 1979 ..... *Associate Professor of Art*
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Jennings, Marianne M. (1977 ..... *Professor of Finance*
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Jo, Yung Hwan 1966 ..... *Professor of Political Science*
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Johnson, Alan P. 1967) . . . . . *Associate Professor of English*
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Johnson, Douglas A. (1974) . . . . . *Professor of Accountancy*
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Johnson, John M. 1972) . . . . . *Professor of Justice Studies*
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Johnston, Gladys S. (1986) . . . . . *Professor of Educational Administration and Supervision, Dean, College of Education*
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Jones, Daisy M. 1963) . . . . . *Professor Emeritus of Education*
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Jordan, K. Forbis 1987) . . . . *Professor of Educational Administration and Supervision*
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Justus, Jerry T. (1968 . . . . . *Associate Professor of Zoology*
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Juvet, Richard S. Jr. (1970 . . . . . *Professor of Chemistry*
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Kahn, B. Winston (1966 . . . . . *Associate Professor of History*
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Kaida, Tamarra 1980) . . . . . *Associate Professor of Art*
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Kajikawa, William M. (1937) . . . . . *Associate Professor Emeritus of Physical Education*
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Karnes, Thomas L. (1968 ..... *Professor Emeritus of History*
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R N, B S, M S, Ph D, Syracuse University

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McGaw, Dickinson L. 1965 ..... *Associate Professor of Political Science*
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McGinty, Tim (1983 ..... *Associate Professor of Architecture*
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McGowan, Patrick J 1979 . . . . . *Professor of Political Science*
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McGrath G D 1956 . . . . . *Professor Emeritus of Education*
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McHenry, Albert L 1978 . . . . . *Professor of Technology, Chair Department of Electronics and Computer Technology*
B S Southern University,
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McHugh, Kevin E 1985 . . . . . *Assistant Professor of Geography*
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McIntosh, Patricia G 1983) . . . . . *Assistant Professor of Architecture*
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McIsaac, Marina Stock 1980 . . . . . *Associate Professor of Educational Media and Computers and Reading and Library Science*
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McKenzie, Patrick Bruce 1970 . . . . . *Professor of Accountancy*
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McKlveen, John W. 1974 . . . . . *Professor of Engineering*
B S , United States Naval Academy, M E N E Ph D , University of Virginia

McLeod, Lois L. 1976 . . . . . *Professor of Music*
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McMillan, Paul F 1983 . . . . . *Associate Professor of Chemistry*
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McMurtry, Steven 1987 . . . . . *Assistant Professor of Social Work*
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McNeill, Barry W 1976 . . . . . *Assistant Professor of Engineering*
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McPheters, Lee R (1976 . . . . . *Professor of Economics; Director, Economic Outlook Center*
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McWhirter, J. Jeffries 1976 . . . . . *Professor of Counseling Psychology*
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Meissinger, Ellen Murray 1986) . . . . . *Professor of Art*
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Meister, Arnold G. 1957) . . . . . *Professor Emeritus of Physics*
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Melvin, Michael 1980 . . . . . *Associate Professor of Economics*
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Merbs, Charles F 1973 ..... *Professor of Anthropology*
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Michels, LeMoyne F 1963 ..... *Profess r Emer tus of Construction*
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Mings, Robert C 1971) ..... *Ass ciate Professor of Geography*
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B S I E , M.B A , Ph D , Univ sity of Houst n

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Morris, Donald H., 1967- ... *Professor of Anthropology*
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Morris, John P., 1965- ... *Professor of Law*
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Morrison, Kenneth M., 1983- ... *Associate Professor of Religious Studies*
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Moulton, Gerald L., 1961- ... *Professor Emeritus of Education*
B.A., Hamline University; M.Ed., Ed.D., University of Oregon

Mowrer, Donald E., 1965- ... *Professor of Speech and Hearing Science*
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Moyer, Joan E., 1971- ... *Professor of Education; Program Coordinator, Early Childhood Education; Director, College of Education Preschool*
B.S., Kutztown State College; M.Ed., Pennsylvania State University; Ph.D., University of Maryland

Muhlenkamp, Ann F., 1943- ... *Professor of Nursing*
B.S., M.S., Marquette University; Ph.D., University of Kansas

Mulgan, Donald E., 1985- ... *Associate Professor of Construction*
B.S.E., M.S.M.E., Arizona State University

Munk, Morten E., 1961- ... *Professor of Chemistry*
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Munukutla, Lakshmi V., 1987- ... *Associate Professor of Technology*
B.S., M.S., Andhra University; Ph.D., Ohio University

Muruata, Edward, 1955- ... *Associate Professor of Sociology and Hispanic Research Center*
B.A., University of Texas, Austin; M.A., University of New Mexico; Ph.D., University of Texas, Austin

Murphy, Jeffrie G., 1935- ... *Professor of Philosophy and Law*
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A.B., Oklahoma Baptist University; M.S., Ph.D., Case Western Reserve University

Murphy, Nina L., 1924- ... *Professor Emeritus of Physical Education*
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Murray, Roger N., 1965- ... *Associate Professor of English*
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Musheno, Michael C., 1947- ... *Professor of Justice Studies and Public Affairs*
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Mushkatel, Alvin H., 1950- ... *Professor of Public Affairs; Director, Applied Urban Research, Center for Urban Studies*
B.A., Ohio State University; M.S., Ph.D., University of Oregon

Myers, Barbee C., 1987- ... *Assistant Professor of Physical Education*
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Myers, Charles E., Jr., 1968- ... *Associate Professor of Finance*
B.B.A., Loyola University; M.B.A., Harvard University; Ph.D., University of Florida

Nagasawa, Richard H (1969) ... *Associate Professor of Sociology*
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Nash, Leanne T (1971) ... *Professor of Anthropology*
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Nash, Thomas H , III 1971 ... *Professor of Botany*
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Natsiavas, Sotirios 1987) ... *Assistant Professor of Engineering*
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Nelsen, Edward A 1975 ... *Professor of Education Program Coordinator Human Development*
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Nelson G Lynn 1973 ... *Assistant Professor of English*
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Nelson, Harold D. 1967 ... *Professor of Engineering*
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Nelson, J. Russell 1981 1989) ... *Professor of Finance President of the University*
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Nemeroff, Carol 1988 ... *Assistant Professor of Psychology*
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Nering, Evar D. (1960) ... *Professor of Mathematics*
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Neuberg, Steven L (1988 ... *Assistant Professor of Psychology*
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Ney, James W 1969 ... *Professor of English*
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Nicholas Keith (1986 ... *Assistant Professor of Political Science*
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Nichols, Ann W (1970 ... *Associate Professor of Social Work*
A B , Stanford University M S W , D S W Columbia University

Nichols, Catherine G 1952 ... *Professor Emeritus of Counselor Education*
A B , M A , University of Kentucky Ph D , Columbia University

Nicholas Casebolt, Ann 1985 ... *Assistant Professor of Social Work*
B A , M S W , Ph D , University of Wisconsin Madison

Nicolaenko, Basil 1989 ... *Professor of Mathematics*
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Nielsen, Michael J (1969) ... *Associate Professor of Design*
B P D , North Carolina State University; M A Stanford University

Nielson, Gregory M 1970) ... *Professor of Computer Science*
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Nieme r, Wilma M (1959) ... *Assistant Professor Emeritus of Mathematics*
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Niemiera, Alexander X (1986) ... *Assistant Professor of Botany*
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Nigam, Bhanwar Parkash 1964 . . . . . *Professor of Physics*
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Nilsen, Don L. F. 1973 . . . . . *Professor of English*
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Noble, Frank C. 1971 . . . . . *Professor of Counselor Education*
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North, Larry W. 1980 . . . . . *Associate Professor of Nursing*
B.A., Hastings College; M.S., University of Nebraska; Ph.D., University of Arizona

Northey, William T. 1959 . . . . . *Professor Emeritus of Microbiology*
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Norton, M. Scott 1973 . *Professor of Educational Administration and Supervision*
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O'Bennett, Donald E. 1959 . . . . . *Professor Emeritus of Education*
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O'Brien, Carmen A. 1959 . . . . . *Associate Professor Emeritus of Education*
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O'Grady, Eric P. 1977 . . . . . *Associate Professor of Computer Science*
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Ojala, William T. 1971 . . . . . *Associate Professor of English*
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Parker, L. Mayland (1955) . . . Professor Emeritus of Geography
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B A M A Wake F re t Univ rsity, Ph D University of Geo gia

Peranton , Daniel T (1982 ..... *P fessor f M s*
B M Eastman S hool of M s M M , Cathol c University of Amer a

Perr l, Lester S 1957 ..... *Pr fessor Eme itus f Edu ati n*
B A Oh o Wesleyan U iv r ty, M A , Oh o State Un ver ity Ph D , University of North Car l na

Perr ll, Norman K (1966) ..... *Profess r of C mmuni ati n*
B S , M A Northwestern Un vers ty, Ph D Univers ty f S uthern Ca fornia

Perry Patsy 1985 ..... *Assistant Pr fess r f Nursin*
B S Columbia n on Co lege M S , Un versity of Co orad Ph D Un versity of Michigan

Perry Ronald W 1983 *Professor of Public Affairs Dire tor Dea n f Public A ministrati n Pr gram*
B S , M A , Ariz na State Un vers y, Ph D Univers ty of Washington

Peterman, Gordon G 1966 ..... *Pr fess r Eme itus f C nstru t r*
B S C E., U iver ty of Iowa

Peters, Kathleen A 1967 *Ass stant Pr fess r f Family Resources and Hum n Development*
B S M S , Kansa State University

Peterson, Edward R (1977) ..... *Assistant Pr fess r of Te h ol gy*
B S E E , Fairleigh D k son University M.S E E., Arizona State U vers ty

Peterson, Gary (1987) *Professor of Family Resources and Human Development*
B.S., M.S., University of Nebraska, Lincoln *Chair, Family Resources and Human Development*
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Peterson, John R. (1963) *Professor of Architecture*
B.A., St. Olaf College, B.Arch., University of Minnesota, M.Arch., Harvard University

Peterson, Ralph (1976) *Associate Professor of Elementary Education*
B.A., Eastern Washington State College, M.A., Ed.D., Columbia University

Petronio, Sandra G. (1986) *Associate Professor of Communication*
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Pettit, George R. (1964) *Professor of Chemistry, Director of Cancer Research Institute*
B.S., Washington State University, M.S., Ph.D., Wayne State University

Petuskey, William T. (1983) *Associate Professor of Chemistry*
B.S., University of Utah, Sc.D., Massachusetts Institute of Technology

Péwé, Troy L. (1965) *Professor Emeritus of Geology*
A.B., Augustana College, M.S., University of Iowa, Ph.D., Stanford University

Pfuhl, Erdwin H., Jr. (1968) *Professor of Sociology*
A.B., Whitman College, A.M., University of Idaho, Ph.D., Washington State University

Pheanis, David C. (1975) *Associate Professor of Computer Science*
B.S., Case Institute of Technology, M.S., Ph.D., Arizona State University

Philippakis, Andrew S. (1967) *Professor of Information Systems, Director of Computer Resources Office*
B.S., Gannon College; M.B.A., Ph.D., University of Wisconsin, Madison

Phillips, William W. (1958) *Associate Professor Emeritus of History*
Ph.B., M.A., University of North Dakota, Ph.D., University of Missouri, Columbia

Pigg, Kathleen B. (1988) *Assistant Professor of Botany*
B.S., M.S., Ohio University, Ph.D., Ohio State University

Pian, Richard H. J. (1959) *Professor Emeritus of Engineering*
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Pickens, Judith M. (1987) *Instructor of Nursing*
B.S.N., Marymount College, M.S.N., University of Missouri

Pihlak, Madis (1986) *Assistant Professor of Planning*
B.E.S., University of Waterloo, Canada, M.C.P., M.L.A., University of California, Berkeley

Piawka, David (1982) *Associate Professor of Public Affairs*
B.A., Brock University, M.A., Ph.D., Clark University

Pile, James (1971) *Professor of Art*
B.F.A., M.F.A., University of Nebraska, Lincoln

Pimentel, David (1973) *Professor of Art*
B.S.Ed., Massachusetts College of Art, M.F.A., Rochester Institute of Technology

Pinkava, Donald J. (1964) *Professor of Botany, Director, ASU Herbarium*
B.S., M.S., Ph.D., Ohio State University

Pittman, Anne M. (1952) *Professor Emeritus of Physical Education*
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Pittsley, Janice M. (1987) *Associate Professor of Art*
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Plantz, Don V. (1960) *Professor Emeritus of Economics*
B.S., M.B.A., University of Kansas, Ph.D., Indiana University

Podrich, William F. (1949) *Professor Emeritus of Education*
B.S., Maryland State Teachers College, Ph.D., University of Iowa

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Prather, Elizabeth (1978) ..... *Professor of Speech and Hearing Science*
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Presson, Clark C. (1984) ..... *Associate Professor of Psychology*
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Price, Thornton W. (1961) ..... *Professor Emeritus of Engineering*
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Prieto, Alfonso G. (1974) ..... *Professor of Special Education*
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Primas, Phyllis J. (1987) ..... *Assistant Professor of Nursing*
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Prust, Zenas A. (1959) ..... *Professor Emeritus of Technology*
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Quesada, Eugene R. (1973) ..... *Assistant Professor of Design*
B.A., Arizona State University

Quigg, John C. (1981) ..... *Associate Professor of Mathematics*
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Rabiner, Donald N. (1979) ..... *Associate Professor of Art*
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Raccach, Moshe (1980) ..... *Associate Professor of Agribusiness and Environmental Resources*
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Radke, Judith J. (1960) ..... *Associate Professor of French*
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Rajan, Subramaniam D. (1983) ..... *Assistant Professor of Civil Engineering*
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Ramirez, Richard G. (1987) ..... *Assistant Professor of Decision and Information Systems*
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Randall, Virginia R. (1962) ..... *Associate Professor Emeritus of English*
B.A., College of New Rochelle; M.A., Arizona State University; Ph.D., Occidental College

Rankin, Robert L. (1971) ..... *Associate Professor of Engineering*
B.S., University of Texas, El Paso; Ph.D., Rice University

Rankin, W. Parkman (1982) ..... *Professor Emeritus of Journalism and Telecommunication*
B.S., Syracuse University; M.B.A., Ph.D., New York University

Rapp, James R. (1962) ..... *Professor of Architecture*
B.Arch., University of Detroit; M.S. Arch., Columbia University

Rasmussen, David I. (1963) ..... *Professor of Zoology*
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Rasmussen, Robert D. (1949) ..... *Associate Professor Emeritus of Agribusiness and Environmental Resources*
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Ratner, Esther ..... *Assistant Professor of Design*
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Raupp, Gregory B. (1985) ..... *Assistant Professor of Engineering*
B S M.S , Purdue University, Ph D University f W sc nsin

Rausch, Jack D. (1965) . . *Ass ciate Professor of Musi Associate Director School of Music*
B S , M A , Oh o State University

Rave, Wallace J. (1967) ..... *Associate Professor of Music*
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Rawls, William S (1974) . ..... *Professor Emeritus of Physics*
B.S , Murray State College, M S Tu ane University, Ph D Iowa State niversity

Ray, William J. (1968 .. . *Pr fessor of Elementary Education Program Coordinator Elementary Education*
B S . M S., State University of New York Buffalo Ed D , Wayne State University

Reader, Mark (1967) *Ass ciate Professor of Political Science*
A B , A M Ph D , University of Mich gan

Reckers, Philip M J. (1980 ..... *Professor of Accountancy*
B S , Qu ncy Col ege, M B A , Washingt n Un versity Ph D , Un versity of linois

Redman, Charles L (1983 ..... *Pr fessor c f Anthrop logy, Chair, Department of Anthropology*
B A Harvard University, M.A., Ph D., Un versity of Chicag

Reed, Helen (1986) ..... *Associate Professor of Engineering*
A B., Goucher College; M S Ph D V gmia Po ytech ic Institute and State University

Reed, William H. 1968 ..... *Associate Professor of Technology*
B S , University of Ok ahoma M S , Ar zona State Un vers ty

Reeves, Henry C. (1969) ..... *Professor of Microbiology, Vice President for Research*
B S , Frank in and Marsha Col ege, M A , Ph D , Vanderb lt Un ve sity

Reger, Rhonda K. 1988 ..... *Assistant Professor of Management*
B B A exas A&M Un versity, M B A Ph D n vers ty of I linois, Urbana Champaign

Regier, Philip R. (1987) ..... *Assistant Professor of Accountancy*
B A St John's Co lege, Ph D , Un versity c f Il in is

Reich, John W 1965) ..... *Professor of Psychology*
B A M S , University of Ok ahoma, Ph D Univers ty of Co orado

Reif, William E 1970 ..... *Professor of Management*
B B A , M A , Ph D , University of Iowa

Reiman, Etsuko Obata 1978 ..... *Associate Professor of Japanese*
B A , Keio University Japan M A , Seton Ha l Univers ty, M A Ph D , University of Wisconsin, Madison

Rein'l, Robert L. (1961) ..... *Professor Emeritus of Philosophy*
A B , A M , Ph D , Harvard Univers ty

Reinard, John C. 1975 ..... *Associate Professor of Communication*
B A M A , Cal fornia State Un versity, Ful erton, Ph D , Un ve s ty of Southern Cal fornia

Reingen, Peter H (1982 ..... *Professor of Marketing*
B B A , Co ogne Co lege West Germany) M B A Ph D , University of Cin innati

Reiser, Castle O (1958) *Professor Emeritus of Engineering*
B.S Colorado State University, Pet E Colorad School of Mine Ph D , University of Wisconsin, Madison

Reiser, Mark (1988) ..... *Assistant Professor of Statistics*
B.S , Un versity of Mich gan; Ph D , U versity of Chicago

Reiss, Peter W. (1976) ..... *Assistant Professor of Finance*
B S , J D , Marquette University M A , Arizona State Un versity

Renaut, Rosemary 1987 ..... *Assistant Professor of Mathematics*
B S Collingwood College, Durham Un versity Ph D , Un ve sity of Camb dge England

Reneau, J Hal 1975 ..... *Associate Professor of Accountancy*
B.B.A., M.S. Texas Tech University, Ph.D. University of Missouri, Columbia

Reuter, Vincent G. 1961) ..... *Professor Emeritus of Operations Management*
B.S.C. M.A. Ph.D., University of Iowa

Reynolds, Robert D (1970 ..... *Associate Professor of Music*
B.M. Texas Christian University, M.M. University of Texas Austin Ph.D., Ohio State University

Reynolds, Steven L. 1988) ..... *Assistant Professor of Philosophy*
B.A. University of Chicago, M.A., Ph.D., University of California Los Angeles

Rez, Peter 1985) ..... *Assistant Professor Center for Solid State Science and Physics*
B.A., M.A. University of Cambridge, England., Ph.D. University of Oxford England

Reznikoff, Svon C 1973) ..... *Professor of Design*
Certificate New York School of Interior Design, B.A., University of Southwestern Louisiana, M.A. Louisiana State University

Rice, Glen E 1986) ..... *Research Associate Professor of Anthropology, Director, Office of Cultural Resource Management*
B.A. Reed College, M.A. Ph.D. University of Washington

Rice, Margaret J 1968 ..... *Assistant Professor Emeritus of Communication*
A.B. A.M., University of Kansas

Rice Ross R 1953) ..... *Professor of Political Science*
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Rice, Roy C 1946 ..... *Professor Emeritus of Education*
B.S., University of New Mexico, M.S. University of Massachusetts, Ph.D. University of Texas

Rice, Warren 1958 ..... *Professor of Engineering*
B.S. M.S., Ph.D., Texas A&M University

Richards, Gale L 1965 ..... *Professor Emeritus of Communication*
B.A. University of Akron, M.A., Ph.D., University of Iowa

Richards, Mary L 1975 ..... *Assistant Professor of Nursing*
B.S.N. M.S.N. D Pau University, Ph.D. Texas Woman's University

Richardson, Deane E 970 ..... *Professor Emeritus of Physical Education*
B.S., Bradley University, M.A. Ed.D., Stanford University

Richardson Grant L (1953) ..... *Professor Emeritus of Agribusiness and Environmental Resources*
B.S., M.S. University of Arizona Ph.D., Oregon State University

Richardson H D 1940 ..... *Professor Emeritus of Counselor Education*
Ph.B., Ph.M. University of Wisconsin, Ph.D. Northwestern University LL.D Arizona State University

Richardson, Richard C. J. (1977 ..... *Professor of Higher Education*
B.S., Eastern State College, M.S. Michigan State University, Ph.D. University of Texas

Ricke, Harry P 1948 ..... *Professor Emeritus of Music*
B.M. M.M. University of Arizona

Riegelhaupt, Florence (1966 ..... *Associate Professor of Spanish*
B.A. State University of New York Albany, M.A., Ph.D., State University of New York Buffalo

Ringhofer Christian 1983) ..... *Associate Professor of Mathematics*
M.A., Ph.D. University of Vienna Austria

Rios, Alberto A 1982 ..... *Associate Professor of English Director Creative Writing Program*
B.A. M.F.A., University of Arizona

Riske, Marc C. (1985 ..... *Assistant Professor of Theatre*
B.F.A., North Dakota State University, M.F.A. Wayne State University

Risseeuw, John L. 1980 ..... *Associate Professor of Art*
B.S., M.S. M.F.A., University of Wisconsin Madison

Rissing, Steven W 198 ..... *Associate Professor of Zoology*
B.S. Indiana University, Ph.D., University of Washington

Ritchie, Barry G. 1984 ..... *Assistant Professor of Physics*
B.S. Appalachian State University, M.S., Ph.D. University of South Carolina

Ritchie, Kathleen E. 1972 ..... *Instructor of Psychology, Director, Child Laboratory Program*
B.A., University of Arizona, M.A., Arizona State University

Robbins, Earl R. (1961) ..... *Associate Professor of Computer Science*
B.S.E.E., Texas Technological College, M.S.E., Ph.D., Arizona State University

Robbins, Rebecca L. 1985) ..... *Assistant Professor of Curriculum and Instruction Multicultural Education*
B.A., Arizona State University, M.Ed., Ph.D., Pennsylvania State University

Roberts, Carolyn (1982 ..... *Associate Professor of Nursing*
B.Sc.N., University of Western Ontario Canada, M.Ed., Teachers College, Columbia University, Ph.D., Wayne State University

Roberts, Thomas G. 1970) ..... *Associate Professor of Special Education*
B.A., Wake Forest University; M.A., Ph.D., University of North Carolina

Robinson, Daniel O. (1950) ..... *Professor Emeritus of Agribusiness and Environmental Resources*
A.B., Brigham Young University, M.S., University of Arizona, Ph.D., Ohio State University

Robinson, Helene M. 1967) ..... *Associate Professor Emeritus of Music*
B.A., University of Oregon, M.M., Northwestern University

Robinson, Sharon E. (1978) ..... *Professor of Counselin Psychology*
B.S., M.S., University of Wisconsin, LaCrosse, Ph.D., Indiana University

Rodd, Laurel R. (1975 ..... *Associate Professor of Japanese*
B.A., DePauw University, M.A.T., East Tennessee State University, M.A., Ph.D., University of Michigan

Rodman, Leiba (1984) ..... *Professor of Mathematics*
M.A., Ph.D., Tel Aviv University, Israel

Roe, Keith B. (1979 ..... *Associate Professor Emeritus of Technology*
B.S., Wisconsin State College, M.A., University of Michigan

Roedel, Ronald J. 1981 ..... *Professor of Engineering*
B.S.E., Princeton University, M.S., Ph.D., University of California, Los Angeles

Rogers, Bradley B. (1984) ..... *Instructor of Technology*
B.S., M.S., Montana State University

Rogers, Rodney 1987 ..... *Assistant Professor of Music*
B.M., University of Iowa, M.M., Arizona State University, Ph.D., University of Iowa

Rollier, Dwayne A. 1971 ..... *Associate Professor of Engineering*
B.S., M.S., Oklahoma State University, Ph.D., Florida State University

Rook, Fern H. (1969) ..... *Assistant Professor Emeritus of Technology*
B.A., University of Colorado, M.A., Arizona State University

Roosa, Mark W. 1980 ..... *Associate Professor of Family Resources and Human Development*
B.S., Ohio State University, M.A., Ph.D., Michigan State University

Roper, Devon J. 1966 ..... *Associate Professor of Technology*
B.S., Utah State University, M.S., Arizona State University

Rosales, F. Arturo 1980 ..... *Associate Professor of History*
B.A., Arizona State University, M.A., Stanford University, Ph.D., Indiana University

Rose, Jonathan (1968 ..... *Professor of Law, Associate Dean, College of Law*
B.A., University of Pennsylvania, LL.B., University of Minnesota

Rose, Seth D. 1976 ..... *Associate Professor of Chemistry*
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Rosen, Bernice M. (1986 ..... *Curator of Dance*
B.A., Brooklyn College, M.A., New York University

Rosen, Seymour L. (1986 ..... *Professor of Music, Dean, College of Fine Arts*
B.S., The Juilliard School

Rossi, Patrick J. 1967) ..... *Associate Professor of Psychology*
B.S., St. Mary's College, M.A., San Fernando Valley State College, Ph.D., University of California, Riverside

Rothschild, Mary A. (1975). ..... *Associate Professor of History*
B.A., M.A., Ph.D., University of Washington

Rounds, Jerald 956 ..... *Professor of Construction*
B S C E University of Colorado Ph D University of Dundee Scotland

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B M, Loyola University New Orleans M M D M A University of Texas Austin

Rover, R. Craig 952 ..... *Professor Emeritus of Education*
B A, Upsala College M A St Lawrence University Ph D Cornell University

Rowe, Kenneth L 1962 ..... *Professor of Marketing*
B A, M A Northern Iowa University Ph D Michigan State University

Rowley, James 1986 ..... *Associate Professor of Art*
B F A Kansas City Art Institute M F A University of Utah

Roy, Asim 983 ..... *Assistant Professor of Management Science*
B E, Calcutta University India M S Case Western Reserve University, Ph D, University of Texas Austin

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B Sc M Sc Presidency College University of Calcutta India, Ph D University of Oxford England

Roy, Ramendra P 1981 ..... *Professor of Engineering*
B.Sc University of Calcutta India B S University of Jadavpur India, M S University of Washington
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Ruch, William A. 1968 ..... *Professor of Operations Management*
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B S, M S University of Miami M S Ph D Arizona State University

Ruff, Paul F 1955 ..... *Professor of Engineering*
B S C E M S C E Case Western Reserve University

Rummel, John R 1975 ..... *Associate Professor Emeritus of Architecture*
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B A University of New Mexico Ph D, Harvard University

Russell, Paul E 1967 *Professor of Engineering, Chairman School of Construction and Technology*
B S E E B S M E New Mexico A&M University, M S E E Ph D University of Wisconsin Madison, P E

Russo, Nancy Felipe 1985 ..... *Professor of Psychology Director Women's Studies Program*
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Rutherford, Robert B Jr 1976 ..... *Professor of Special Education*
B S M Ed University of Virginia Ed S Ph D, George Peabody College

Rutowski, Ronald L 1976 ..... *Professor of Zoology*
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Sacks, Benjamin 1963 *Professor Emeritus of History*
B A., University of New Mexico M A McGill University Ph D Stanford University

Sackton, Frank J 19 6 ..... *Professor Emeritus of Public Affairs*
B S, University of Maryland, M P A, Arizona State University

Sadalla, Edward K. 1974 ..... *Associate Professor of Psychology*
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Sadler, William E 1975 ..... *Assistant Professor of Design*
B.S M S Kent State University

Saldana, Johnny 1981 ..... *Associate Professor of Theatre*
B F A, M F A, University of Texas Austin

Salerno, Nicholas A 1961 ..... *Professor of English*
B A M A, Arizona State University, Ph D, Stanford University

Salmirs, Seymour 1981 ..... *Associate Professor of Technology*
B A E, M S A E, Georgia Institute of Technology

Sanders, Bevie T. 1957 ..... *Associate Professor Emeritus of Accountancy*
B.B.A., North Texas State University, M.S., Texas A&M University, Ph.D., University of Texas, C.P.A., Arizona, Texas

Sanderson, R. Thomas (1963 ..... *Professor Emeritus of Chemistry*
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Sandler, Irwin 1975 ..... *Professor of Psychology*
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Sands, Kathleen M. 1977 ..... *Professor of English*
B.A. Fort Wright College, M.A., Ph.D., University of Arizona

Sankey, Otto F. 1982 ..... *Associate Professor of Physics*
B.S., University of Missouri St. Louis, M.S. Ph.D. Washington University

Sansone, Fred 1965 ..... *Associate Professor of Mathematics*
B.S.E., M.S.E. University of Michigan, M.S., Ph.D., Rutgers, The State University

Sargent, Charles S. Jr. 971 ..... *Associate Professor of Geography*
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Savic, William 1984 ..... *Professor of Engineering*
B.S. Illinois Institute of Technology, M.S. University of New Mexico, Ph.D., Illinois Institute of Technology

Sater, Vernon E. 1962 ..... *Professor of Engineering*
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Satterlie, Richard A. (1980 ..... *Associate Professor of Zoology*
B.A. Santa Monica State University, Ph.D. University of California Santa Barbara

Satterthwaite, Lester L. r. 1968 ..... *Professor of Educational Media and Computers*
B.S., M.S., Ed.D. Indiana University

Sattler, Howard E. 1967 ..... *Professor of Education*
B.S., M.S., Ph.D. Arizona State University

Savage, Nevin W. 1959 ..... *Professor of Mathematics*
B.S., M.A. Pennsylvania State University, Ph.D. University of California Los Angeles

Schabacker, Joseph C. 1963) ..... *Professor Emeritus of Management*
B.S., Temple University, M.B.A., Ph.D. University of California, Los Angeles

Schaal, Merry H. 1960 66; 1967 ..... *Associate Professor Emeritus of Elementary Education*
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Schaumburg, Donald R. 1953 ..... *Professor Emeritus of Art*
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Scheatzle, David G. (979 ..... *Associate Professor of Architecture*
B.S. Kent State University, M.S.E. Arizona State University

Schildgen, Thomas E. 1981 ..... *Associate Professor of Technology*
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Schmidt, Rebecca 1984 ..... *Assistant Professor of Social Work*
A.B., M.S.W., Ph.D. University of Michigan

Schnacter, John L. 1969 ..... *Professor of Marketing*
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Schlagenhauf, Don E. 1976 ..... *Professor of Economics*
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Schleif, Corine (1955 ..... *Assistant Professor of Art*
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Schuntz, Roger L. 195 ..... *Professor of Architecture*
B.Arch., University of Nebraska, M.Arch. University of California, Berkeley

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Schmidt, David K. 1988 ..... *Professor of Mechanical and Aerospace Engineering*
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Schmidt, Jean M 1966 ..... *Professor of Microbiology*
B.A., M.S. University of Washington, Ph.D., University of California, Berkeley

Schmidt, Peter A. 1978 ..... *Associate Professor of Technology*
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Schmidt, Randall B. 1968 ..... *Associate Professor of Art*
B.A., Hamline University, M.A., University of New Mexico

Schneider, Eugene S. 1985 ..... *Professor of Health Administration and Policy*
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Schoen, Robert A. 1966 ..... *Assistant Professor Emeritus of Technology*
B.S., M.S., Arizona State University

Schoenwetter, James 1967 ..... *Professor of Anthropology*
A.B., University of Chicago, M.S., University of Arizona, Ph.D., Southern Illinois University

Schon, Isabel 1974 ..... *Professor of Reading and Library Science*
B.S., Mankato State College, M.A., Michigan State University, Ph.D., University of Colorado

Schreier, Harold J. 1986 ..... *Assistant Professor of Microbiology*
B.S., California Polytechnic State University, Ph.D., Pennsylvania State University

Schroder, Dieter K. 1981 ..... *Research Professor of Engineering*
B.S.E.E., M.S.E.E., M.Ge., University, Ph.D., University of Illinois

Schroeder, Milton R. 1969 ..... *Professor of Law*
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Schuback, Gertrud B. 1966 ..... *Instructor Emeritus of German*
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Schultz, Joseph J. 1983 ..... *Professor of Accountancy*
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Schutte, Jerry 1988 ..... *Assistant Professor of Art*
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Schwada, John W. 1971 *Professor Emeritus of Political Science, President Emeritus of the University*
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Schwalm, David E. 1986 ..... *Associate Professor of English, Director of First Year Composition*
B.A., Carroll College, M.A., Ph.D., University of Chicago

Schwuttke, Guenter 1983 ..... *Professor of Engineering*
B.S., Ph.D., University of Munich, West Germany

Scott, K. R., Captain 1985 ..... *Assistant Professor of Military Science*
B.S., Eastern New Mexico University

Scoular, David B. 1952 ..... *Professor Emeritus of Music*
B.A., Texas Christian University, B.M., Lawrence College, M.A., Columbia University

Seartoss, Lyndon W. 1973 ..... *Professor of Reading and Library Science*
B.S., West Chester State College, M.A., Ph.D., Syracuse University

Sebald, Hans (1963 ..... *Professor of Sociology*
B.A., Manchester College, M.S., Ph.D., Ohio State University

Seban, Robert R. 1988 ..... *Assistant Professor of Computer Science*
B.E., College of New York, M.S., Ph.D., Purdue University

Sehested, Colene R. 1967 ..... *Assistant Professor of Nursing*
B.S., University of Arkansas, M.S.N., University of Maryland

Sepp, Kenneth F. 1963 ..... *Professor of Music*
B.S., Hartwick College, M.M., University of Kansas City, Mus.Ed.D., Indiana University

Selleck, Herbert H. 1973 ..... *Associate Professor Emeritus of Construction*
B.S.C.E., Iowa State University

Sen, Arunabha 1986 ..... *Assistant Professor of Computer Science*
B.E., Jadavpur University, India, Ph.D., University of South Carolina

Senner, Wayne M. (1973) ..... *Associate Professor of German*
B.A., Portland State University; M.A., University of Washington; Ph.D., University of Illinois

Sensibar, Judith (1985) ..... *Associate Professor of English*
B.A., Vassar College; M.A., Ph.D., University of Chicago

Seperich, George J. (1976) ..... *Associate Professor of Agribusiness and Environmental Resources*
B.S., Loyola University, Chicago; M.S., Ph.D., Michigan State University

Serna, Irene A. (1988) ..... *Assistant Professor of Education*
B.A., M.A., Stanford University

Serwint, Nancy J. (1988) ..... *Assistant Professor of Art*
B.A., University of Illinois, Urbana-Champaign; M.A., University of Chicago; M.A., Ph.D., Princeton University

Shafer, Robert E. (1966) ..... *Professor of English; Director, English Education*
B.S., M.S., University of Wisconsin, Madison; Ed.D., Columbia University

Shafer, Susanne M. (1966) ..... *Professor of Educational Policy Studies*
A.B., Smith College; M.A., Syracuse University; Ph.D., University of Michigan

Shah, Jami (1984) ..... *Assistant Professor of Engineering*
B.E., N.E.D., Engineering College; M.S., University of Pittsburgh; Ph.D., Ohio State University

Sharer, Jon W. (1975) ..... *Associate Professor of Art*
B.A., Roosevelt University, Chicago; M.S., Illinois Institute of Technology; Ph.D., Ohio State University

Shaw, Annapurna (1986) ..... *Assistant Professor of Geography*
B.A., Calcutta University (India); M.A., Jawaharlal Nehru University (India); Ph.D., University of Illinois

Shaw, Milton C. (1978) ..... *Professor Emeritus of Engineering*
B.S.M.E., Drexel University; M.E.Sc., Sc.D., University of Cincinnati; Dr.H.C., University of Louvain (Belgium)

Shell, Leon G. (1967) ..... *Associate Professor of Counselor Education; Dean of Student Life*
B.A., University of Colorado; A.M., Ed.D., University of Northern Colorado

Sheller, Don (1986) ..... *Assistant Professor of Technology*
B.M.E., Ohio State University; M.S., Arizona State University

Shen, C. C. (1982) ..... *Associate Professor of Engineering*
B.S.E.E., National Taiwan University (Taiwan); M.S., State University of New York, Stony Brook; Ph.D., Stanford University

Sheppard, Douglas C. (1971) ..... *Professor Emeritus of Spanish*
B.A., Montana State University; M.A., Ph.D., University of Wisconsin, Madison

Sheridan, Eleanor (1973) ..... *Assistant Professor of Nursing*
B.S.N., M.S.N., Wayne State University

Sheridan, Michael F. (1966) ..... *Professor of Geology*
B.A., Amherst College; M.S., Ph.D., Stanford University

Sherman, Thomas L. (1964) ..... *Professor of Mathematics*
B.A., University of California, Los Angeles; M.S., Ph.D., University of Utah

Sheydayi, E. Yury (1973) ..... *Associate Professor of Architecture*
B.S.C.E., University of Arizona; M.S.C.E., Arizona State University

Shin, Kwang (1983) ..... *Assistant Professor of Engineering*
B.S., Seoul National University (South Korea); Ph.D., Northwestern University

Shing, Chi-Lyang (1985) ..... *Assistant Professor of Construction*
B.S., National Taiwan Institute of Technology (Taiwan); M.S., Ph.D., University of Texas, Austin

Shinn, Randall A. (1978) ..... *Professor of Music*
B.A., Southwestern Oklahoma State University; M.M., University of Colorado; D.M.A., University of Illinois

Shinn, Thelma J. (1975) ..... *Professor of English*
B.A., Central Connecticut State College; M.A., Ph.D., Purdue University

Shipp, Vernon E (1966 ..... *Assistant Professor of Art*
B S Grand Canyon Co lege M A , Arizo a State University

Shipper, Frank M. (1977) ..... *Associate Professor of Management*
B S.M.E , West Virg n a University, M B A Ph D , Unive ty of Utah

Shofstall, Weldon P (1950 ..... *Pr ofessor Emeritus of Secondar y Education*
B.S , Northeast Missoun State Teachers Col ege, M A , Ph D , University of Missoun

Shriver, Keith A 1982) ..... *Associate Professor of A · ountancy*
B S L nfield College M S , Ariz na State Un versity Ph D Univers ty of Texas, Aust n C P.A , Arizona

Shrock, David L. (1974) ..... *Professor of Transportation Associate Dean, College f Business*
B E E , General Motors Inst tute, M B A , D.B A , Indiana University

Shuman, I. Gayle (1974) ..... *Ass ociate Professor of Justice Studies*
B S , M A , Ed D., Arizona State Un vers ty

Shunk, Dan L. (1984 ..... *Ass ciate Professor of Engineering Director*
B S I E., M S I E Ph D , Purdue Unversity *Computer Integrated Manufacturing System Resear h Center*

Siferd, Sue Perrott (1989) ..... *Assistant Professor of Operations*
B.S., Denison Univers ty, M B A , Wright State Un versity, M A., Ohio State University

Silvaroli, Nicholas J 1963) ..... *Pr ofessor of Reading and Library Sciences.*
B S , State Un versity of New York Fred n a, *Pr ogram Coordinator Reading and Library S iences*
M A State Univers ty of New York, Buffa o Ed D , Syracuse Univers ty

Silver, Benjamin (1971 ..... *Asso iate Professor of Journalism and Tele ommunication*
B A M A Un versity of Iowa

Simmons, Douglas J. (1963) ..... *Assistant Pr ofessor of French*
A B. Wabash C l ege M A T., Harvard Unversity Certificat de francais usue , degreésuperieu ,
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Simon, Sheldon 1975 ..... *Pr ofessor of Politi al Scien e*
B A , University of Minnesota, M A Princeton Unversity Ph D , Unversity of M nesota

Singer, Stan (1987 ..... *Assitant Pr ofess r of Theatre*
B A , University of Evansv l e M A , Indiana University, Ph D , Unive sity of Ca ifom a, Los Ange es

Singhal, Avi C. (1977) ..... *Professor of Engineering*
B.Sc Math., Agra Un versity India , B Sc Engr B Sc Hons , St Andrews University Scotland ,
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Sinha, Rajiv K 1989) ..... *Assistant Professor of Marketing*
B.A , M A , Delhi Unversity Ind a

Sinkov, Abraham (1964 ..... *Professor Emeritus of Mathematics*
B S., College of C ty of New Yo k, M S Columbia Unive ity Ph D George Washington Unversity

Sirkis, Murray D (1968) ..... *Professor of Engineering*
B.S., Massachusetts Inst tute of Tech nology, M S Ph D , Univ rs ty of I linois, Urbana

Skibo, Edward B 1982) ..... *Associate Professor of Chemistry*
B.S , M S Drexel Un vers ty, Ph D , Univers ty of Cal fornia, San Franc s o

Skinner, James S 1982) ..... *Professor of Physical Education*
B S., M S., Ph D Un versity of Illino s Urbana

Skoldberg, Phyllis 1977) ..... *Professor of Music*
B M , M M., New Eng and Conservatory of Music M M E , D M , Ind ana Univer ity B oom ngto n

Smeltzer, Larry R. 1986) *Associate Professor of General Business Chair, Department of General Business*
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Smith, A. Wade (1981 ..... *Associate Pr ofessor of Sociology*
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Smith, Andrew T. (1978 ..... *Associate Professor of Zoology*
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Smith, Arthur B Jr (1967) ..... *Associate Professor of General Business*
B S , Hardin Simmons University, M B A , Ed D University of Houston

Smith, Charles B. (1964) ..... *Professor Emeritus of General Business*
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Smith, David B. 1984 ... *Associate Professor of Accountancy*
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Smith, George A F 1985 *Assistant Professor of Zoology*
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Smith, Hal L. 1979) ..... *Professor of Mathematics*
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Smith, Harvey A. 1977 ..... *Professor of Mathematics*
B S , Lehigh University, M S , A M Ph D , University of Pennsylvania

Smith, Janet Kholm (1981) *Associate Professor of Economics*
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Smith, L Christian 1971 *Assistant Professor of History*
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Smith, Lehi T (1959 *Professor of Mathematics*
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Smith, Marion W (1952 ..... *Associate Professor of Music*
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Smith, Mary Lee (1986) ..... *Professor of Educational Administration and Supervision*
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Smith, Ralph E. 1970 ..... *Professor of Accountancy*
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Smith, Richard L III (1981) *Associate Professor of Finance Chair, Department of Finance*
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Smith, Richard L (1967) *Professor of Engineering*
B S , Washington University, M.S., Ohio State University, Ph.D., Arizona State University

Smith, Ronald D (1963) *Associate Professor of History*
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Smith, Stanley E (1977) *Associate Professor of Journalism and Telecommunication*
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Smith Daniels, Dwight E (1987) *Assistant Professor of Purchasing Transportation, Operations*
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Smith Daniels, Vicki 1987 ..... *Assistant Professor of Purchasing Transportation, Operations*
B.B.A., University of San Diego Ph D Ohio State University

Snow, Nancy E 1987 ..... *Assistant Professor of Philosophy*
B A., M A Marquette University, Ph D University of Notre Dame

Snow, Robert (1970) ..... *Professor of Sociology*
B.S , M A., Ph.D , University of Minnesota

Snyder, Ernest E Jr. (1958) ..... *Professor Emeritus of Physics Science Education*
A B., M A Colorado State University, Ed D , New York University

Snyder, Lester M. Jr. (1967)..... *Professor of Counseling Psychology*
B.S , Millersville State College, M Ed , Western Maryland College Ph D , University of Michigan

So, Ronald Ming Cho (1981 *Professor of Engineering*
B.Sc University of Hong Kong Hong Kong , M Eng , McGill University, M A , Ph.D , Princeton University

Somerville, Susan C (1978) ..... *Professor of Psychology*
B A , University of New England Australia ; Ph.D., Australian National University (Australia

Sommerfeld, Milton R. 1968) ..... *Professor of Botany Chair, Department of Botany*
B S Southwest Texas State College, Ph D , Washington University

Spanias, Andreas S (1988) ..... *Assistant Professor of Electrical and Computer Engineering*
B S E E , M S E E Ph D , West Virginia University

Spence, John C H (1976 ..... *Professor of Physics*
M Sc Ph D , University of Melbourne Australia

Spielmann, Katherine A (1987 ..... *Assistant Professor of Anthropology*
A B , Harvard University M A Ph D , University of Michigan

Spinosa, Frank (1965) ..... *Professor of Music*
B M , M A Boston University D M A., University of Illinois

Spring, Robert S (1988) ..... *Associate Professor of Music*
B M , M.M , D M A , University of Michigan

Squires, Rose L. (1981) ..... *Associate Professor Emeritus of Nursing*
B S Duquesne University M A Ed D Teachers College Columbia University

St Louis, Robert D 1982) ..... *Associate Professor of Management Science*
A B , Rockhurst College, M.S , Ph D , Purdue University

Stadmiller, Jack E. 1963) ..... *Associate Professor Emeritus of Industrial Technology*
B S., University of Utah, M A , Arizona State University

Stafford, Kenneth R 1957 ..... *Professor Emeritus of Educational Psychology*
B A , M Ed , Ph D University of Oklahoma

Stahl, Robert (1978) ..... *Associate Professor of Secondary Education*
B A , M A Ed D , University of Florida

Stahnke, Herbert L. 1941 ..... *Professor Emeritus of Zoology*
S B., University of Chicago M A University of Arizona, Ph D , Iowa State University

Staley, Frederick A. (1970) ..... *Associate Professor of Elementary Education*
B A , M A Western Michigan University, Ph D , Michigan State University

Stalzer, Frank S. (1955) ..... *Associate Professor of Music*
B M Ed , University of Kansas, M M , Eastman School of Music

Stange, Jean B 1970) ..... *Associate Professor Emeritus of Family Resources and Human Development*
B S., Iowa State University, M.S , University of Minnesota

Stanley, James T 1968 ..... *Professor of Engineering*
B.S., M.S , Ph.D., University of Illinois

Stanton, Ann M. (1980 ..... *Professor of Law*
B A , University of Minnesota, J D , Ph D , Stanford University

Stark, Barbara L (1972 ..... *Professor of Anthropology*
B.A , Rice University, M Phil Ph D , Yale University

Stark, John C (1985) ..... *Associate Professor of Theatre*
B.S , Wayne State College, M F A University of Nebraska, Lincoln

Starrfield, Sumner G 1972) ..... *Professor of Physics Astronomy*
B A , University of California, Berkeley M A , Ph D., University of California, Los Angeles

Steadman, Lyle B. (1971) ..... *Assistant Professor of Anthropology*
B.A., Occidental College, M.A , University of California, Los Angeles; Ph D Australian National University Australia

Stearns, MaryBeth (1981 ..... *Regents' Professor of Physics*
B S , University of Minnesota; Ph D , Cornell University

Steere, Caryl J (1960) ..... *Assistant Professor Emeritus of Education*
B A., Albion College, M A Arizona State University

Steffl, Bernita M 1961 ..... *Professor Emeritus of Nursing*
B S N , M P H University of Minnesota

Steimle, Timothy C. (1985) ..... *Assistant Professor of Chemistry*
B.S., Michigan State University, Ph D , University of California, Santa Barbara

Steinmann, Wilbur L (1959 ..... *Associate Professor Emeritus of Engineering*
B S E E University of Minnesota M S , University of Iowa

Stephens, Nancy J 1979 ..... *Associate Professor of Marketing*
B.S., M.S. University of Illinois; Ph.D. University of Texas, Austin

Stevenson, Harold W 1967 ..... *Professor Emeritus of Finance*
B.S. University of Minnesota, M.B.A., Ph.D., University of Michigan; C.F.A.

Steverson, Noel J. (1932) ..... *Associate Professor Emeritus of Physical Education*
B.A., Arizona State University, M.S., University of Southern California

Stewart, Donald G. (1964) ..... *Associate Professor of Mathematics*
B.A., M.S., University of Utah; Ph.D., University of Tennessee, Knoxville

Stewart, Ernest I. 1959 ..... *Professor Emeritus of Health Science*
B.S., M.S., Utah State University; Ph.D., Columbia University

Stewart, Kenneth M. 1947 ..... *Professor Emeritus of Anthropology*
A.B., M.A., Ph.D., University of California, Berkeley

Stiles, Philip G. 1969) ..... *Professor of Agribusiness and Environmental Resources*
B.S., University of Arkansas, M.S., University of Kentucky; Ph.D., Michigan State University

Stites, William H. 1954) ..... *Professor Emeritus of Communication*
B.A., Louisiana Polytechnic Institute; M.A., Ph.D., University of Denver

Stock, William A. (1973 ..... *Professor of Education*
B.A., Blackburn College; M.S., Ph.D., Iowa State University

Stocker, David Allen 1978 ..... *Professor of Music*
B.S., Cordia Teachers College; M.M., Ph.D., Northwestern University

Stone, Gregory O. 1986 ..... *Assistant Professor of Psychology*
B.A., Harvard University, Ph.D., University of California, San Diego

Stone, William J. 1967 ..... *Professor of Physical Education*
B.S., Boston University, M.S., Florida State University, Ed.D., University of California, Berkeley

Stoner, K. Lynn 1985 ..... *Assistant Professor of History*
B.S., George Peabody College for Teachers; M.A., Ph.D., Indiana University

Stookey, John A. (1976 ..... *Associate Professor of Political Science*
A.B., M.A., Marshall University; Ph.D., University of Kentucky

Stout, Minard W. 1968 ..... *Professor Emeritus of Education*
B.A., University of Northern Iowa; M.A., Ph.D., State University of Iowa

Stout, Robert (1978 ..... *Professor of Educational Administration and Supervision*
B.A., Carleton College; Ph.D., University of Chicago

Stowe, Noel J. 1967 ..... *Associate Professor of History; Assistant Dean, Graduate College*
B.A., Ph.D., University of Southern California

Strange, Richard E. 1974 ..... *Professor of Music; Director, Bands*
B.M.E., Wichita State University; M.M.E., University of Colorado; D.M.A., Boston University

Straub, Calvin C. 1961 ..... *Professor Emeritus of Architecture*
B.Arch., University of Southern California

Strawn, Roland S. 967 ..... *Associate Professor of Technology*
B.S.E.E., M.S.E.E., University of Illinois; Ph.D., Arizona State University

Streufert, Hildegarde 961 ..... *Associate Professor Emeritus of Design*
B.S., University of Minnesota; M.S., Iowa State University

Stronik, Ales 1969 ..... *Professor of Physics*
Dipl. Ing., Ph.D., University of Ljubljana, Yugoslavia

Strom, Robert D. 1969 ..... *Professor of Elementary Education*
B.S., Manchester College; M.A., University of Minnesota, Ph.D., University of Michigan

Stuler, John H. 1962 ..... *Professor of Art*
B.A., M.F.A., Arizona State University

Stump, Edmund 1976) ..... *Professor of Geology*
A.B., Harvard University; M.S., Yale University; Ph.D., Ohio State University

Stumpf, Angela M 1959) . . . . . *Associate Professor Emeritus of Nursing*
B S N E Marquette Univ ty M A n vers ty f Chi ag

Stutsman Paul S 1967 . . . . . *Associate Professor Emeritus of Chemistry*
B S , Univers ty of I l ois, Ph D , Univers ty of W sc sin, Mad

Stutz, Jean C. (1981 . . . . . *Associate Professor of Botany*
B S., Urs nus Co lege M S , Univer ity y De tw e Ph D , Per n y van a State n vers ty

Suggs, Robert E 1987 . . . . . *Associate Professor of Law*
B A , University of M ch gan, D Harv d Univ s ty

Sul ivan, Deborah 1976 . . . . . *Associate Professor of Sociology*
B S., Unive sity of Massachusetts Amher t M A Un versity f Ca f rnia rv ne Ph D , Duke Un vers t

Su ivan, Howard J. 1971 . . . . . *Professor of Education*
B S Oreg Co lege f Education, M Ed Ph D Univers y of Oreg n

Sullivan, John J. (1976) . . . . . *Assistant Professor Emeritus of Education*
B A , Villanova U vers ty, M A , Ph D Ariz a State vers ty

Sundwall, Harry W 1962 . . . . . *Professor Emeritus of Education*
B S Brigham Yo ng U ive sity Ph D U versity of Ca if a Be ke ey

Sunkett, Mark E 1976 . . . . . *Associate Professor of Music*
B M Curti Institute f Musi M M Temple University

Surbeck Elaine 1988) . . . . . *Assistant Professor of Early Childhood Education*
B.A., Unive ty of Washington, M Ed Ed D , U ve ty of Ge a

Sushka, Marie E 1984) . . . . . *Professor of Finance*
B A , Sweet Briar Co lege, M A , Ph D Ge get wn Univers ty

Sutton, Robert K 1986 . . . . . *Assistant Professor of History*
M A Portland State Unive sity Ph D Wash ngt State University

Swafford, James R. 1971) . . . . . *Assistant Professor of Botany*
B S , M S , Ariz a State Un v rsity

Swagert, S Laird 1971 . . . . . *Professor Emeritus of Political Science*
B , Western m ch gan State Teachers C l ege M.A , Ph D U versity f Iowa

Swann, S. Daniel (1975 . . . . . *Professor of Music*
B M , Cinc nnat Col ege Co servatory of M s c M M E India a U ve s ty, D M A N th Texas Univers ty

Swanson, Tod D. (1988 . . . . *Assistant Professor of Religious Studies*
B A , n ve sity f Minnes ta, M Div , L the The l ca Sem nary Ph D , Unive ty of Chicag

Swartz, Teresa A. 1980 . . . . . *Associate Professor of Marketing*
B.S , M.B A , Clar n State C l ge Ph D Ohio State U vers ty

Sweeney, J. Grav 1986 . . . . . *Associate Professor of Art*
B A , Univers ty of New Mexico M A , Ph D Ind a a U ve s ty

Swigert, Diane D (1986 . . . . . *Assistant Professor of Aerospace Studies*
B A M A Brown U vers ty, M S , U ve s ty of R de Is and

Swimmer, Alvin 1963) . . . . . *Associate Professor of Mathematics*
B S Pennsylvania State University M S , New York Un ver ty, Ph D , n versity of Ca f rn a Berkel y

Swisher, Karen (1986) . . . . *Assistant Professor of Multicultural Education Director Center for Indian Education*
B S., M S., Northern State C l ge Ed D Un ver ty of North Dak ta

Sy vester, Edward J 1982) . . . . . *Associate Professor of Journalism and Telecommunication*
A B Princeton Unive s ty, M A , City Co ege of New York

Szarek, Stanley R 1974 . . . . . *Associate Professor of Botany*
B S , Cal fornia State Univers ty P m n Ph D Univers ty f Cal f rn a, R ver de

Tambs, Lewis A 1969 . . . . . *Professor of History*
B S , University of Ca f orn a, Berkeley M A Ph D , Univers ty of Cal fornia Sant Barbara

Tate, Donald J (1958 . . . . . *Professor Emeritus of General Business*
B S , Kansas State Teachers Co lege M A Ed D New Yo k U vers ty

Taylor, Jack J 1960 . . . . . *Professor of Art*
B S , Kutztown Univers ty M Ed , Pennsylv nia State U v er ty

Taylor Jacquel ne 1984 . . . . . *Professor of Nursing*
B S N ni rsity of Wash ngton M S Un ver ity of N rth Ca o ina, Ph D University t Arizona

Taylor Janet R (1977) . . . . . *Pr ofessor of Art*
B F A Cleve and nstitute of Art M F A Syrac s Un ver ity

Taylor, Thomas 1983 . . . . . *Assistant Pr ofessor of Mathematics*
B S , Ca iforn a State Unive s ty, Ph D , Harvard n ver ty

Taysom, E vin D 1953 *Pr fess r Emeritus of Agribusiness and Environmental Resources*
B S Un versity of Idah , M S , Utah Stat Un vers ty, Ph D Washington State U iversity

Tenney, Lester I (1969) . . . . . *Professor Emeritus of Finance*
B A , Un versity of Miami, M A , Sa D ego State Co ege, D B A Un versity of Southern Cal fornia

Tesón, Fernando R. 1984 . . . . . *Professor of Law*
J D., Un v s dad d B n s Ai es A rentina , L L M Universite Libre de Bruxel es Be g un

Teye, Victor B (1984 . . . . . *Assistant Pr fess r of Leisure Studies*
B A , Unive s ty of Ghana Ghana M A Ph D University f Mar it ba Canada

Theobald Clarabelle 1962) . . . . . *Asso iate Professor of Nursing*
B S Ariz a State U versity, M S Univer ity of Cal fornia Los Ange es, Ph D , Ariz na State University

Thieme, Horst R 1988 . . . . . *Ass ciate Professor of Mathematics*
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Th mas, Jerry R. (1988) . . . . . *Profess r of Health and Phys cal Education Chair*
B A Furm an U versity M.A., Ed D , U vers ty of Alabama *Department f Health and Physical Education*

Thomas, Keith J 1975 . . . . . *Ass ciate Pr fess r f Reading and Librar Science*
B S I linois Stat Univ rsity M A , L yola Univ rsity Ed D , Un v rsity of Arizo a

Thomas, M. George (1981 . . . . . *Ass ciate Professor of So iology*
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Thomason, Leslie L. 1969 . . . . . *Professor Emeritus of Technology*
A B , M A , Ed D , Univ rsity f Oklah ma

Thompson, Lee P (1955) . . . . . *Professor of Engineering*
B A Indiana Un versity M S Ph D Texas A&M Univ rsity P E

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B S., B S E.E , Lo isia a Po vtech Inst tute M S Ok ahoma State Univ rsity Ph D , Northwestern Univ rsity

Thomson, Jeffrey 1981 . . . . . *Associate Professor of Theatre*
B.A., Rip C lle , M A U versity of Washingt n M F A Wayne Stat n versity

Thomson Ronald G (1947) . . . . . *Pr fessor Emeritus of Physical Education*
B S , Spr gfield Co l ge M A Arizona State Univ rsity Ed D Univ rsity of Southern Ca fornia

Thomson, Tom R. 1961) . . . . . *Profess r Emeritus of Chemistry*
B A , U ve sity f Cal fo n a, Berkeley, M S , Ph D , Kan a State U iversity

Thorne, Anita 1984 . . . . . *Instructor of Nursing*
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Tice Thomas E 1967 . . . . . *Professor of Engineering*
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Tidwell, Victor H (1971 . . . . . *Professor of Accountancy*
B S , Il no s Col ege, M B A , D B A Indiana Unive s ty, C P A , Iowa, Ariz na

Tilden, Arnold (1937) . . . . . *Professor Emeritus of History*
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Tillery, B W 1973 . . . . . *Profess r of Phys s Science Education*
B S , Northeastern State Co lege, M A , Ed D , Univer ty of Northern C lorado

Tillman, Hoyt C. 1976) . . . . . *Professor of History*
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Ting Toomey, Stella 1987 ..... *Associate Professor of Communication*
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Tipton, Gary P 1969) . . . . . *Assistant Professor of Chinese*
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Tobiason, Sarah J (1963-67, 1974 ..... *Assistant Professor of Nursing*
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Tong, Timothy 1986 . . . . . *Associate Professor of Engineering*
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Trotter, William T. 1987) ..... *Professor of Mathematics, Chair Department of Mathematics*
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Tsakalis, Konstantinos S 1988) ..... *Assistant Professor of Electrical and Computer Engineering*
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Turner, Christy G., II 1966 ..... *Professor of Anthropology*
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Turner, Katharine C 1946) ..... *Professor Emeritus of English*
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Tvavsky, Daniel John 1982) . . . . . *Associate Professor of Engineering*
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Underwood, Max (1985 . . . . . *Assistant Professor of Architecture*
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Van Wagenen, R. Keith 1963) . . . . . *Professor of Education*
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Vellenga, David B. (1984) . . . . . *Professor of Transportation, Associate Dean*
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Virgillo, Carmelo (1965 ..... *Professor of Roman e Languages*
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Weiser, Kurt (1988) . . . . . *Associate Professor of Art*
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Weschler, Louis F. (1980) . . . . . *Professor of Public Affairs*
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West, Stephen G (1981) . . . . . *Professor of Psychology*
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Whiffen, Marcus (1960) . *Professor Emeritus of Architecture*
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Whitam, Frederick L. (1966) . . . . . *Professor of Sociology*
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White, Harold C. (1966) . . . . . *Professor of Management*
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White, James R. (1981) ... *Associate Professor of Art*
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White John P. (1963) ... *Professor Emeritus of Political Science*
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White, Michael J. (1974) ... *Professor of Philosophy*
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Whitehurst, Harry B. (1958) ... *Professor of Chemistry*
B A , M A Ph.D., R ce Un ver ity

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Wigand, Rolf T. 1975) ... *Professor of Public Affairs*
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Wilcox, Sidney W 1955) ... *Professor Emeritus of Technology*
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Wilkins, Wendy 1986) ... *Assistant Professor of English*
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Wilkinson, Joseph W. (1964 ... *Professor of Accountancy*
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Witt, Tom (1975 ..... *Associate Professor of Design*
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Wixted, J. Timothy 1978 ..... *Professor of Asian Languages*
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Wochner, Raymond E. (1952 ..... *Professor Emeritus of Education*
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Wolchik, Sharlene 1980 ..... *Associate Professor of Psychology*
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Wolf, Donald J (1969 ..... *Associate Professor of Political Science*
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Wolf, George H. (1986) ..... *Assistant Professor of Chemistry*
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Wolf, Robert Lee (1985) ..... *Professor of Design Chair, Department of Design*
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Wood, Byard D. (1970) ..... *Professor of Engineering, Director, Energy Systems Research Center*
B S.M E , M.S M E , Utah State University, Ph D , University of Minnesota

Wood, Harry (1954 ..... *Professor Emeritus of Art*
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Wood, Steven D. (1975) ..... *Professor of Decision and Information Systems*
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Woodfill, Marvin C (1966 ..... *Professor of Computer Science*
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Wooldridge, Charles B. (1959) ..... *Associate Professor Emeritus of Engineering*
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Woolf, Charles M. (1961-63, 1964) ..... *Professor of Zoology*
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Young, Bernard (1988) ..... *Associate Professor of Art*
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Miller Warren 981 . . . . . *Regents' Professor of Political S ience*
B S , M A , University of Oreg n Ph D , Syra use University

Moore, Carleton B 1961 . . . . . *Regents Professor of Chemistry and Geology, Dire tor Center for Mete orite Studies*
B.S , A l ed University, Ph D Cal f rnia Institute of echno gy

Palumbo, Denn s J. 1983 . . . . . *Regents Professor of Justice Studies*
M A S cial Sc ence M A P tt al Scie ce Ph D Un versity of Chi ag

Stearns, MaryBeth 1981 . . . . . *Regents Professor of Physics*
B S Univers ty of M nnesota Ph D C rnell University

ASU West Campus Resident and Associated Faculty

Alarcón, Justo 1968) . . . . . *Professor of Spanish*
B A M A Serafica Spain M A , Lava Univer ity Canada M A Arizona State Univers ty; Ph D , University of Arizona

Baskin, Otis W 1987 . . . . . *Academic Direct r Business and Admin'strative Services Professor of Management*
B A Oklahoma Christian Co lege, M A University of Houst n Unive sity Park, Ph.D , University of Texas, Austin

Bellizzi, Joseph A 1988 . . . . . *Asso iate Pr fessor of Marketing*
B S., M A , Ph D , University of Nebraska Lincoln

Burt Way, Barbara J 1986 . . . . . *Assistant Professor of Political Scien e*
B A , Ph D , Un ve s ty of Calif rn a Rivers de

Cárdenas, Lupe 1986 . . . . . *Assistant Professor of Spanish*
B A , M A Ph D , Arizona State Univers ty

Carey, Jane M 1988 . . . . . *Assistant Profess r of Management Information Systems*
B S M B A , Eastern i is U vers ty, Ph D University of Miss ssipp

Connell, Charles W (1987 . . . . *Associate Professor of History, Interim Vice Provost and Dean of the Fa ulty*
B A M A Un versity of Cinc nat , Ph D Rutgers The State University

Cook, Susan Jean 1988 . . . . . *Field Placement Liaison Education*
B A M A Ar z na State n vers ty, Ed D , Northern Arizona University

Davids, Sharon L 1986 . . . . . *Coordinator Nursing Program*
B S Un vers ty of in s M S Northern Il no s Unive s ty

Dickerson, Barbara Ann 1988 . . . . . *Assistant Profess r of Curriculum and Instruction*
B S , Grand C vc College M.A Ph D Ariz na State University

Dix, Clarence L. 1979 . . . . . *Coordinator, Social Work*
B S , Buena Vista Co lege M S Un vers ty t Ch cag

Elawar, Maria Cardelle (1987 . . . . . *Assistant Professor of Educational Psychology*
B A , Un versity of Santiago Spain M S University of Southern Californ a Ph D , Stanford Univers ty

Fritzemeyer, Joseph R. 1973 . . . . . *Professor of Accountan y*
B B A Bay o University M B A , D B A Indiana University

Gallinger, George 1977) . . . . . *Assistant Professor of Finance*
B A Water oo Lutheran Unive ty Canada , M B A., York University Canada ; Ph.D , Purdue University

Garver, George G. (1987 . . . . . *Acting A ademic Director Education and Human Services*
B A , Iowa State Teachers College, M.A , U iver ity of Mich gan, Ed D., Michigan State niversity

Graef, David W 1988 . . . . . *Visiting Assistant Professor of Management*
B.S , Un versity of Nebraska, M S , University of C lorado (Boulder , Ph D Arizona State Un versity

Gundersen, Dennis F. 1986) . . . . . *Assistant Professor of Communication*
B A , Bowl ng Green State University M A , Arizona State Univers ty, Ph D University of Texas Austin

Haas, Nancy S (1986) . *Assistant Professor of Instructional Design*
B A , M Ed , Ph D , Ariz na State University

Haladyna, Thomas M. 1986 . . . . . *Associate Professor of Educational Research and Measurement*
B A Illinois State University; M A , San Jose State University, Ph D Arizona State University

Hattenhauer, Darryl 1988 . . . . . *Assistant Professor of American Literature*
B A M A , California State University, Ph D University of Minnesota

Hutt, Roger W (1955 . . . . . *Associate Professor of Management*
B S , M B A , Ohio State University Ph D , Michigan State University

Kram, Risa Johnson 1988 . *Faculty Associate of Social Work*
B S State University of New York, Potsdam, M S W University of Denver

Knopf, Richard C (1986 . . . . . *Associate Professor of Leisure Studies*
B.A., M.A., University of Minnesota, Ph D University of Michigan

Lattin, Vernon E. (1989) . . . . . *Professor of English Provost and Vice President for ASU West Campus*
B A , M A , University of New Mexico, Ph D University of Colorado

Ludders, Virginia L. 1984 . . . . . *Faculty Associate of Communication*
B S , Eastern Illinois University, M A , Arizona State University

Malekzadeh, Ali R 1987 . . . . . *Assistant Professor of Management*
B S , M B A University of Denver Ph.D., University of Utah

Metz, Elayne R. 1986 . . . . . *Assistant Professor of Music*
B A Ed Temple University, M M , Ed D , Arizona State University

Miller, Paul A. (1988) . . . . . *Assistant Professor of Psychology*
B A , St Vincent College, M S , North Carolina State University; M A , Ph.D , University of Texas, Austin

Mazzi, Philip J 1988 . . . . . *Assistant Professor of Economics and Quantitative Analysis*
B A , Rockford College; Ph D , Texas A&M University

Mueller, Carol M (1988 . . . . . *Assistant Professor of Sociology*
B A , University of California Berkeley, M A , Rutgers, The State,University, Ph D. Cornell University

Nahavandi, Afsaneh 1987 . . . . . *Assistant Professor of Management*
B.A., University of Denver; M.A , Ph.D., University of Utah

Nánez, José E. Sr (1988 . . . . . *Assistant Professor of Psychology*
B.A., M.A., California State University Ph D , University of Minnesota

Nolen, Susan B. (1986) . . . . . *Assistant Professor of Learning Theory*
B A , Portland State University, M Ed , Lewis and Clark College, Ph D , Purdue University

Novak, Gayle J 1986 . . . . . *Visiting Assistant Professor of Art*
B F A , M F A Arizona State University

Pyne, Stephen J. 1986 . . . . . *Associate Professor of History*
B A , Stanford University, M A , Ph D., University of Texas, Austin

Ragle, Gael L (1988) . . . . . *Faculty Associate of Education*
B S , Arizona State University, M A Northern Arizona University, Ed D , Arizona State University

Reese, Ruth 1988) . . . . . *Faculty Associate of Education*
B S , M S University of Wisconsin, Madison; Ph D , University of Wisconsin, Milwaukee

Schade, Thomas V. 1976 . . . . . *Associate Professor of Justice Studies, Coordinator, Justice Studies*
B.A , Hope College; M A Ph D , Western Michigan University

Shirreffs, Janet H. (1977) . . . . . *Professor of Health Science Acting Academic Director, Arts and Sciences*
B S , Ithaca College M S , Syracuse University; Ph.D., Texas Woman's University

Smith, Jack 1986) . . . . . *Professor of Engineering· Coordinator, Applied Science Engineering and Technology*
B.S E E., M.S E.E , Ph D , University of Arizona

Stryker, Linda L. (1987) . . . . . *Faculty Associate of Math Science. Coordinator. Math Science*
B A , Whittier College, B A , M S., San Diego State University, M A , Los Angeles State University, Ph D., Yale University

Svoboda, William S (1969 . . . . . *Professor of Education*
B.S , M S , Ed D., University of Kansas

Tillman, Montague Kay 1988 ..... *Faculty Associate of Education*
B S University of Kansas M A Pittsburg State University, Ph D Arizona State University

Vaughan, Suzanne 1987 ..... *Assistant Professor of Sociology*
B A Roanoke College M A University of New Mexico, Ph D Ohio State University

Williams, Dudley A (1986) ..... *Lecturer of Communication Coordinator, Communications*
B A, University of Maryland M A University of Hawai; Ph D University of Ohio

Wilson, Daniel 1986 ..... *Associate Professor of Engineering*
B S, Drexel University, M S E Ph D, Arizona State University

Wolfe, Muriel 1988 ..... *Faculty Associate of Education*
B A Michigan State University M E Hunter College

Associated Faculty

INTERCOLLEGIATE ATHLETICS

Brock, James L. 1971 ..... *Instructor, Head Baseball Coach*
B A, M A, Ed D, Arizona State University

Douglas, Bobby E (1974 ..... *Lecturer Wrestling Coach*
B S., Oklahoma State University M A Arizona State University

Littlewood, Mary L 1965 ..... *Assistant Professor Softball Coach*
B S, Miami University M S University of Colorado

Robinson, Don R 1968 ..... *Instructor of Sports Psychology Men's Gymnastics Coach*
B A, University of Northern Colorado, M S, Eastern New Mexico University

Young, Troy L 1971 ..... *Instructor, Head Trainer*
B S Fort Hays State College M S Indiana University

VISITING PROFESSORS

Alabau, Fatiha (1987 ..... *Visiting Assistant Professor of Mathematics*
Ph D, Universite Pierre et Marie Curie Paris

Anderson, Wyatt W 1987 ..... *Distinguished Visiting Professor of Mathematics*

Baillie, Richard T 1989 ..... *Visiting Professor of Economics*
B S, Middlesex Polytechnic England, M S, University of Kent, Canterbury England
Ph D London School of Economics England

Bogart John H 1988 ..... *Visiting Assistant Professor of Philosophy*
B A University of California, Santa Cruz M A Ph D University of Illinois Chicago

Borowski, Michael (1988 ..... *Visiting Assistant Professor of Architecture*
B Arch, University of Illinois M Arch Harvard University

Carney, Lauri Ann T 1988 ..... *Visiting Assistant Professor of Chemistry*
B S Ph D Arizona State University

Chamberlain, Raymond E III 1987 ..... *Visiting Assistant Professor of Chemistry*
B A M A Northern Michigan University Ph D, University of Nevada, Reno

Coke, VanDeren 1987) ..... *Distinguished Visiting Professor of Art*
M F.A., University of Kentucky post M F A Harvard University

Cook, Paul 1987 ..... *Invitational Lecturer of English*
B A., Northern Arizona University, M A Arizona State University, Ph D University of Utah

Dubno, Judy R , 1987) ..... *Visiting Professor of Speech and Hearing Science*
M S, Ithaca College, Ph D City University of New York

Fain, Benjamin 1983 ..... *Visiting Professor of Chemistry*
Ph.D. Gorky State University U S S R

Foster, John B. (1988 ..... *Visiting Assistant Professor of Chemistry*
B S California Institute of Technology M.A., University of California, Berkeley

Gillum, Edward A. 1987) . ... *Visiting Assistant Professor of Art*
B A Univers ty of California, Santa Cruz; M.F A So thern Illi no s Un versity

Goldstein, R James 1988 *Invitati na Assistant Professor*
M A Ph D Univers ty f Virginia *Arizona Center f Medieval and Renaissance Studies*

Greene Nelson 1988) . ... *Visiting Assistant Pr fess r of Architecture*
M S , Pennsylvania State University, B.Arch , Univers ty of Arizona

Gronroos, Chr stian (1988 .... *Visit ng Professor of Marketing*
D B A Swed sh Schoo of Economics and Business Sweden

Hacker, Thomas O (1986) . . ..*Dist nguished Visiting Pr fessor of Architecture*
M Arch University of Pennsylvania

Hazard, Ben 1988 . . . . . *Visiting Professor of Dance*

Herald, Cherry L 1966 ... .*Visiting Ass ciate Professor, Cancer Resear h Institute*
Ph D , Arizona State nivers ty

Hermann, Elisabeth 1988 . . .. *Visiting Pr fess r of English*
Ph D University of Dusseldorf West Germany

Hilger, Mark W. 1987 . ... *Visiting Instru t r of Physical Edu ation*
B S , Northern Illino Un versity, M S Arizona State University

Holmes, Robert E (1988) . . .. *Visiting Assistant Pr fess r of Chemistry*
Ph D., Oregon State Univers ty

Hornung, Ulrich (1987) . . . . *Visiting Pr fess r of Mathematics*
Ph D , Un ve sity of Munste West Germany

Horton, David G 1967 ... . . . *Visiting Assc ciate Pr fessor f Art*
B F A , M F A , Louisiana State University

Howard, Jermoe J (1988) . . .. . *Visiting As istant Pr fess r of Zo log*
B S , Univers ty of California, Davis M S , University f Arizona, Ph D University of Iowa

Jefferson, David A , 1987) . . *Visiting Professor Center for Solid State Scien e*
Ph D , Selwyn Co ege, Cambridge (England

Kane, Edward J (1988 . ...*Visiting Professor Center for Finan ial System Resear h*
B S , Georgetown niversity, Ph D , Massachusett Instit te of Technology

Kelar, Michael J 1988 . . . . . *Visiting Assistant Profess r of Philosophy*
B A , Un versity of Minnesota, M A , Ph D , University of Californ a, L s A geles

Knight, George P. 1986 . . .. *Visiting Asso ate Pr fesso of Psy hol gy*
B A , Macale ter Col ege M A , Ph D University of California, Riverside

Kroloff, Reed A (1987) . . . . *Visiting Ass stant Professor of Ar hitecture*
B A , Ya e Univ rsity M Arch, University of Texas, A stin

Leonard, Jim (1988) . . . . *Visiting Lecturer of Theatre*
B A , Hanover College

Mahoney, Dhira B (1988) .. .. *Visiting Assistant Pr fessor of English*
B A , M A , Oxford U vers ty (Eng and , Ph D , Un vers ty of Ca ifornia, Santa Barbara

Matt, Kathleen S. (1987) .... *Visiting Assistant Pr fessor of Z ol gy*
M S , Un versity of De aware Ph D , University of Washington

Mellon, Terry F. 1984 . ... *Visit ng Lecturer f Computer Science*
B S Univer ity of Polytechnic, Ph D , University of Ca ifornia, Irvine

Mooney, Elina (1988) .. . . *Visiting Assistant Professor of Dance*

Mueller, Paul E (1987 . ... *Visiting Faculty Associate of Civil Engineering*
B S C E , Purdue Univers ty

Myers, Barton (1986) *Distinguished Visiting Professor of Architecture*
M Arch , University of Pen sylvania

Norrid, Barbara 1988 . . . . *Visiting Instructor of Health and Physical Education*
B S , University of Arizona M.S , Ariz na State Un vers ty

Owen, Alan 1988 ..... *Distinguished Visiting Professor, Center for Solid State Electronics Research*
Ph.D., Sheffield University, England

Predock, Antoine 1980) ..... *Distinguished Visiting Professor of Architecture*
M.Arch., Columbia University

Price, B. Leigh (1985) ..... *Visiting Professor of Law*
B.A., University of California, Berkeley; J.D., Yale University

Saddler, Ivan R. (1984) ..... *Visiting Assistant Professor of Technology*
B.S.E.E., University of Texas, El Paso

Saile, David G. (1987 ..... *Visiting Associate Professor of Architecture*
M.Arch., University of Illinois; Ph.D., University of Newcastle upon Tyne, England

Sawyer, Douglas J. 1988 ..... *Visiting Assistant Professor of Chemistry*
B.A., Coe College, Ph.D., Iowa State University

Schroeter, John 1988 ..... *Visiting Associate Professor of Economics*
B.S., California Institute of Technology, Ph.D., University of Minnesota

Seely, Gilbert 1986 ..... *Visiting Research Professor of Chemistry*
B.A., Harvard University; Ph.D., University of California, Berkeley

Serapiglia, Theresa 1988 ..... *Visiting Assistant Professor of Education*
Med., University of Pittsburgh, Ph.D., Penn State University

Smith, Jeffrey B. 1987 ..... *Visiting Instructor of Music*
M.M., University of Illinois, Urbana

Spritzer, Ralph S. 1986 ..... *Visiting Professor of Law*
B.S., LL.B., Columbia University

Strickland, Rennard (1988 ..... *Visiting Professor of Law*
B.A., Northeastern State College; J.D., University of Virginia, M.A., University of Arkansas, S.J.D., University of Virginia

Sultan, Jay 1988 ..... *Visiting Assistant Professor of Economics*
B.A., Eureka College, M.S., Western Illinois University, Ph.D., Arizona State University

Tabb, Phillip 1988 ..... *Visiting Associate Professor of Architecture*
B.S., University of Cincinnati, M.Arch., University of Colorado

Tang, Betty 1987) ..... *Visiting Assistant Professor of Mathematics*
Ph.D., University of Southern California

Tao, Jing Guang (1987 ..... *Visiting Professor of Chemistry*

Thomas, Katherine T. (1988) ..... *Visiting Assistant Professor of Health and Physical Education*
B.S., University of Mississippi; M.S., University of Alabama, Birmingham; Ph.D., Louisiana State University

Vandenberg, Edwin 1983 ..... *Visiting Research Professor of Chemistry*
M.E., Stevens Institute of Technology

Wasserman, Harry H. 1988 ..... *Distinguished Visiting Research Professor of Chemistry*
B.S., Massachusetts Institute of Technology; Ph.D., Harvard University

Woolsey, D. Kristine 1987 ..... *Visiting Assistant Professor of Architecture*
B.S., Georgia Institute of Technology, M.Arch., Arizona State University

LECTURERS

Alexander, James (1984 ..... *Lecturer of Public Affairs*
B.A., University of Missouri; M.B.A., Arizona State University

Beeker, M. Ray 1987) ..... *Lecturer of Public Affairs*
B.A., Indiana University; M.P.A., Golden Gate University

County, Richard 1985) ..... *Lecturer of Public Affairs*
A.B., Williams College, J.D., University of Chicago

DeBolske, John J. (1978) ..... *Lecturer of Public Affairs*
B.S., Loyola University, Los Angeles, M.P.A., University of California, Los Angeles

DesJardin, Margaret E. (1949 ..... *Lecturer Emeritus of Dance*

Downs, Floyd L. 1988 ..... *Lecturer of Mathematics*
A B Harvard University, M A , Columbia University

Driggs, Ken (1984 ..... *Lecturer of Public Affairs*
B A , M S , Brigham Young University

Ellison, A Leroy (1984 ..... *Senior Lecturer of Management*
B A , Harvard University *Acting Director, Hahn Center for Entrepreneurship and Innovation*

Ferrall, J. Eleanor 1969 ..... *Lecturer of Public Affairs*
A B , Heidelberg College, M A , Arizona State University

Gibbs, Christine 1980) ..... *Lecturer of Public Affairs*
B A , University of Arizona M P A Arizona State University

Herzik, Mary D. (1988) ..... *Lecturer of Public Affairs*
B A , M A , University of North Carolina, Chapel Hill

Horwitch, Arnold M 1974 ..... *Lecturer of Humanities*
Ph B University of Chicago, M A Arizona State University, M S Rensselaer Polytechnical Institute

Ingraham, Leonard W (1973) ..... *Lecturer Emeritus of Education*
B S , City College of City University, M.A., Ed D., Teachers College Columbia University

Jamieson, Bill Jr. 1980) ..... *Lecturer of Public Affairs*
B A , University of Arizona, M S., Georgia State University

Jones, Kumen H (1987) ..... *Lecturer of Accountancy*
B A Brigham Young University M B A , Idaho State University

Krings, Elizabeth L 1985 ..... *Lecturer of Manufacturing Technology*
B A College of St Mary, M A , University of Nebraska Omaha

Landers, Donna M. (1988) ..... *Lecturer of Health and Physical Education Undergraduate Advisor*
B S , State University of New York Brockport, M S , University of Washington

Landrith, David 1984 ..... *Lecturer of Public Affairs*
B A , Arizona State University, M P A , Harvard University

Lea, John H. (1980) ..... *Senior Lecturer of Management*
B S , M B A , Arizona State University

Leonard, Jim (1988 ..... *Special Lecturer of Theater*

Luey, Beth 1980 ..... *Senior Lecturer of History Director, Historical Editing and Publishing*
B A , Radcliffe College, A M , Harvard University

Manion, Patrick W. (1980) ..... *Lecturer of Public Affairs*
B A , M P A , Arizona State University

Martin, Lawrence L (1987 ..... *Lecturer of Public Affairs*
B S , Arizona State University, M I M American Graduate School of International Management, M S W , Ph D Arizona State University

Nagrin, Daniel (1982 ..... *Senior Lecturer of Dance*
B S , College of the City of New York

Olson, Clark D. (1984) ..... *Lecturer of Communication Director, Forensics*
B A , Iowa State University M S University of Utah Ph D , University of Minnesota

Roberts, Nancy 1987) ..... *Lecturer of Economics*
B.A , University of Texas, Arlington, M S Arizona State University

Saegusa, Kyoko 1981 ..... *Lecturer of Foreign Languages*
B A , Japan Women's University Tokyo , M A Arizona State University

Twist, Steve (1980) ..... *Lecturer of Public Affairs*
B A , J D , Arizona State University

Vanacour, Martin (1987) ..... *Lecturer of Public Affairs*
B A State University of New York, Buffalo, M P A , New York University

Weidemaier, William (1977) ..... *Senior Lecturer of The University Honors College*
B A Northern Arizona University, M A., Ph D Arizona State University

Wiggins, Harry B. 1986) ..... *Senior Lecturer of Purchasing, Transportation Operations*
B S U S Merchant Marine Academy, B S University of Vermont; M B.A., Harvard University

Winkelman, Michael (1988 ..... *Lecturer of Anthropology*
B A Rice University Ph D University of California Irvine

Zy a, Julie 1988 ..... *Lecturer of Family Resources and Human Development*
B S., South Dakota State University, M S Arizona State University

ADJUNCT AND OTHER FACULTY

Adams, Donna (983 ..... *Faculty Associate of Nursing*
B S N., University of Missouri M S N Arizona State University

Adams, Lori 1987 ..... *Faculty Associate of Theatre*
B A E., Wayne State College, M F A., University of Nebraska

Allen, Stephen G (1988 ..... *Adjunct Assistant Professor of Botany*
B S M S., Montana State University, Ph D University of Arizona

Andersen, Sylvia 1983 ..... *Faculty Associate of Nursing*
B S M S., Brigham Young University

Andrade, Edna W 1986 ..... *Adjunct Professor of Art*
B F A Pennsylvania Academy of the Fine Arts and University of Pennsylvania

Askin, Walter M 1986 ..... *Adjunct Professor of Art*
B A., M A University of California, Berkeley

Ayres, James E. 1982 ..... *Adjunct Instructor of Anthropology*
B A., Fresno State University, M A University of Arizona

Bacon, Roxana C. (1987 ..... *Faculty Associate of Law*
B A., J D., University of California Berkeley

Baker, Marc A 1988 ..... *Adjunct Assistant Professor of Botany*
B A., San Jose State University, M A., Humboldt State University, Ph D., Arizona State University

Bales, W Scott 1987 ..... *Faculty Associate of Law*
B.A., Michigan State University, J D., Harvard University

Bennett, Jane E 1988 ..... *Faculty Associate of Nursing*
B S., University of Pittsburgh M S California State University Los Angeles

Bjotvedt, George 1987 , ... *Adjunct Professor of Biomedical Engineering*
B S Widener University V M D., University of Pennsylvania

Bodell, Lowell S 1988) ..... *Adjunct Associate Professor of Engineering*
B A., Hobart College M D New York Medical College

Breunig, Robert G (1982 ..... *Adjunct Assistant Professor of Anthropology*
B A., Indiana University Bloomington Ph D., University of Kansas

Camelat, April 1968 ..... *Faculty Associate of Nursing*
B S N., University of Hawaii, M S., Arizona State University

Campbell, David G (1987). ..... *Faculty Associate of Law*
B S., J D University of Utah

Canby, William C., Jr (1967 ..... *Faculty Associate of Law*
A B Yale University, LL B University of Minnesota

Case, Charles G II 1988 ..... *Faculty Associate of Law*
B A Harvard University, J D Arizona State University

Close, Richard A. 1985) ..... *Adjunct Professor of Architecture*
M.Arch University of Wisconsin Milwaukee

Conaway, Mary Ellen (1985). ..... *Adjunct Assistant Professor of Anthropology*
B A., University of California, Riverside; M A., University of Wisconsin, Milwaukee, Ph D University of Pittsburgh

Costilow, Ralph N 1982 ..... *Adjunct Professor of Microbiology*
B A., West Virginia University, M.S., North Carolina State College Ph D., Michigan State College

Coursen, Jerry 1987 ..... *Adjunct Associate Professor of Bioengineering*
B S , M S Arizona State University, Ph D University of Arizona

Cox, Jerry R. 1984 . *Adjunct Associate Professor of Environmental Resources*
B S , M S , New Mexico State University, Ph D University of Wyoming

Cross James (1986 ..... *Adjunct Professor of Art*
B A University of California, Los Angeles

Crossman, Harlan J. 1988) ..... *Faculty Associate of Law*
B.A , J D University of New Mexico

Dahlberg, Albert A 1981 ..... *Adjunct Professor of Anthropology*
B S D D S , Loyola University, Chicago

Dallyn, Selwyn L. (1983) ..... *Clinical Professor of Law Director, Criminal Clinic*
B A Grace and College J D , University of Iowa

Daspit, C. Phillip (1981 ..... *Adjunct Associate Professor of Speech and Hearing Science*
B S M D Louisiana State University

DeBano, Leonard F 1983 ..... *Adjunct Associate Professor of Environmental Resources*
B S Colorado State University M S Utah State University Ph.D , University of California Berkeley

DeSilva, Patricia 1988 ..... *Instructor of Nursing*
M S H , Tulane University

Dockstader, Frederick J 1983 ..... *Adjunct Professor of Art*
A B , M A Northern Arizona University Ph D , Western Reserve University

Dover, C J 1982 ..... *Adjunct Professor of Communication*
B A Kent State University M A Western Reserve University

Downs, Catherine A 1983 ..... *Faculty Associate of Clinical Laboratory Sciences*
B.S , Arizona State University, M A Central Michigan University

Doyel, David E (1985 ..... *Adjunct Associate Professor of Anthropology*
B A University of Arizona M A , Ph D , California State University, Chico

Dragos, Stephen G 1984 ..... *Adjunct Professor of Architecture*
B Arch , University of Notre Dame

Duane, Drake D 1987) ..... *Adjunct Professor of Speech and Hearing Science*
A B , University of Michigan M D Wayne State University

Eckstein, Paul F (1988) ..... *Faculty Associate of Law*
B A J D , University of New Mexico

Eggers, W. P Eberhard (1986) ..... *Adjunct Professor of Art*
Freie Waldorf Schule Gymnasium , Hannover, West Germany

Euler, Robert C (1983) ..... *Adjunct Professor of Anthropology*
B A , M A , Northern Arizona University, Ph D , University of New Mexico

Fisk, R Leighton (1979 ..... *Adjunct Professor of Bioengineering*
B S M S , Ph D , University of Alberta Canada

Ford, George H 1981 ..... *Adjunct Assistant Professor of Anthropology*
A B , University of Kansas; M A Ph D , Arizona State University

Foster, Joyce 1972 ..... *Adjunct Professor of Zoology*
B A , M A DePauw University Ph D , Arizona State University

Fritz, Karen (1983) ..... *Faculty Associate of Nursing*
Diploma, Sioux Valley Hospital Sioux Falls, South Dakota B A Sioux Falls College M.S , University of Minnesota

Gabaldon Diana J 1980) ..... *Research Assistant Professor, Center for Environmental Studies*
B S , Northern Arizona University M S Scripps Institute of Oceanography Ph D Northern Arizona University

Gale, Betty J (1982 ..... *Faculty Associate of Nursing*
Diploma, Evangelical Deaconess Hospital B S N , M S , Arizona State University

Gemmill, Robert M. 1983 ..... *Adjunct Professor of Zoology*
B.A., University of Connecticut, Ph.D , Cornell University

Gibbs, W R (1987 . . . *Ad un t Pr fessor of Physics*
B S , M A , Univers ty of Texas Ph D R c Un versity

Glick, Paul C 1982 . . . . . *Adjun t Pr fes n f Sociology*
B A DePauw Univers ty, M A , Ph D U vers ty of W scons n, Madi n

Gotto, Gary A. 1988) . . . . . *F culty Ass ciate of Law*
B A., J D., Ariz a State Un versity

Greeneich, Diane S. 1988 . . . . . *Faculty Ass tate f Nursing*
B A Ca ifom a State U versity M S , Ariz a State Un versity

Gustavson, Carl R 1983) . *Ad unct Ass tate Pr fessor Center fc r Envir nmenta Studies*
B S , M S Ph D , Un versity of U tah

Hagen, Nicholas S 1988 *Cl ni al Professor f Health and Physical Education*
B S , Arizona State University M B A Geor c Wash ngt on n v rs ty M D University of Arizona

Hammond, Lawrence A 1987 . . . *Faculty Ass c ate of Law*
B A , J D , U niversity f Texas

Hecht, Frederick 1978 *Adjunct Profess r of Zoology*
B A , Dartmouth Co lege, M D , Univ rsity f Rochester

Hendrix, Donald Louis 1981) *Adj n t Associ te Professor of Botan Plant Ph siologist,*
B A , Centra Washinc to Un ver ity *U S D A Agricultural Research Ser ice*
M S University of Wash ngt Ph D Wa h gton State U iver v

Hild, Nicholas R 1984 . . . . . *Adjunct Ass ciate Professor Center fc r Environmental Studies*
B S , M S , U n vers ty of Iowa Ph D , Un G aduate Sch

Hineman, Phil ip D. 1988) . . . . . *Faculty Ass ciate of Construct n*
B.S., M S Ar z na State n versity

Hoffman, Catherine B. 1988 . . . . . *Fa ulty Ass ciate of Nursing*
B S N , U niversity f Wisconsin M N Univers ty f Wash ngt n

Holub, Mari P. 1987) . . . *Fa ulty Ass ciate of Clinic al Lab rat ry Sciences*
B S , Arizona State University

Horton, Paul B 1983 . . . . . *Adjun t Profess r of Sc iol gy*
B A , Kent State U nivers ty, Ph D Ohio State U niversity

Hueffner, Debra 1986 . . . . . *Fa u ty Ass iate Audi l gy Supervisor of Spee h and Hearing S ience*
B S., University f Iowa, M S , n versity of Arizona

Huizar, H. Elaine 1985 . . . . . *Adjun t Faculty Ass ciate f Botany*
B S., M S. Univers ty f Tex s, E Paso Ph D , Ariz na State U vers ty

Hunt, Chester L. 1985) . . . . . *Adjunct Pr fesser of Soci logy*
A B Nebraska Wes eyan Un ve s ty, M A Wash gt n U versi y Ph D U nivers ty f Nebraska, L nc ln

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B S , Cal fornia State Po ytc hn c University P omona, M S , Ph D U niversity of M ssouri, Col mb a

Johnston, Hubert 1986) . . . *Clini al Ass ciate Professor of Social Work*
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Jorgensen, Pau C (986 . . . . . *Ad unct Assistant Profess r of Computer Science*
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Kastenbaum, Beatrice (1982) . . . . . *Faculty Ass ciate of Nursing*
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Kehrer, Laura (1984 . . . . . *Faculty Ass ciate f Nursing*
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Kenney, Kathryn W 1979 . . . . . *Adjunct Lecturer of Speech and Hearing S ience,*
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Kiessling, George C 1987 . . . . . *Faculty Ass ciate of Constru tion*
B S Ch E M S Ch E , Rensselaer Po ytechnic Inst tut

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Koff, Theodore H. 1982) ..... *Adjunct Assistant Professor of Social Work*
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Kramer, Alan 1988) ..... *Faculty Associate of Law*
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LaSota, John A., Jr. 1988 ..... *Faculty Associate of Law*
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Livingston, Jr., Donald E. 1987 ..... *Faculty Associate of Foreign Languages*
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Lutz, Robert E. 1979 ..... *Faculty Associate of Construction*
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Maez, Lento F. 1987 ..... *Faculty Associate, Assistant Director, Mountain State Resource Center*
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B S., V terbo Co lege M S Ph D , University of Minnesota

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Werner, Celia (1988 ..... *Faculty Associate of Nursing*
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Ferrall, J. Eleanor (1969) ..... *Librarian Emeritus, Reference Service*
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Josephine, Helen B. (1987) ..... *Associate Librarian, F.I.R.S.T.; Manager, Fee-Based Information and Research Support Team*
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Knepp, Kenneth B. (1968) ..... *Associate Librarian, Original Cataloging*
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Leibold, Anne M. (1977) ..... *Librarian Emeritus, Reference Service*
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Milam, Sheila A. (1986) ..... *Assistant Librarian, Original Cataloging*
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Miller, Rosanna (1974) ..... *Associate Librarian; Head, Map Collection*
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Morimoto, Hideyuki (1988) ..... *Assistant Librarian, Original Cataloging*
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Mote, A. Christine (1988) ..... *Assistant Librarian, Bibliographic Records*
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Williams, Jenny L. (1967) . . . . . *Ass ciate Librar an Original Catal ging*
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Myers, Marilyn (1987 ..... *Associate Librarian Head College Development and Bibliographic Services*
B.A. Kansas State University; M.S. University of Illinois; M.A. Kansas State University

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College of Business ..... *John Kraft, Dean*
College of Education ..... *Gladys S. Johnston, Dean*
College of Engineering and Applied Sciences ..... *C. R. Haden Dean*
College of Fine Arts ..... *Seymour L. Rosen Dean*
College of Law ..... *, Dean*
College of Liberal Arts and Sciences ..... *Samuel A. Kirkpatrick, Dean*
College of Nursing ..... *Janelle C. Krueger Dean*
College of Public Programs ..... *, Dean*
School of Social Work ..... *Jesse F. McClure Dean*
ASU West Campus ..... *Charles W. Connell, Dean*
Graduate College ..... *Brian L. Foster Dean*
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Justice Studies, School of	*. John Hepburn, Director*
Leisure Studies	*. . . .Arthur Haley, Chair*
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Marketing	*Bruce Walker, Chair*
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Counselor Education	*Doug Gress, Program Coordinator*
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Public Affairs, School of	*N. Joseph Cayer, Director*
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Office Sponsored Programs Administration — Gary Chaffin, Director

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Hazardous Materials Management — Robert Gume, Assistant Director

Radiation Protection — Mark Cumbo, Assistant Director

Industry Liaison Office — Gary Arnue, Officer

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Director, Community Relations ..... *James O. Hill*
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Advanced Purchasing Studies, Center for ..... *Harold Fearon, Director*
Advanced Research in Transportation, Center for ..... *Jonathan E. Upchurch, Acting Director*
American Language and Culture Program ..... *, Director*
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University Testing Service ... *Mariana Santos de Barona Director*
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APPENDIX A

July 1, 1988

TO : The Arizona State University Community

RE : Reaffirmation of Policy

I have a personal conviction that Arizona State University must pursue the goal of building a campus population that reflects the rich diversity of people in the local and national communities we serve. I expect that this goal will be supported by every member of the University family because it is the right thing to do. It is the only way to proceed if we are to be responsive and effective in providing services to the people of the state of Arizona.

Arizona State University has a proud history. We are making impressive strides toward national recognition as a mature institution of higher learning. As a major university, we must exemplify a commitment not only to quality education and to the search for new knowledge, but also to equal opportunity, human dignity and diversity.

The University is committed to *Equal Employment Opportunity* and to *Affirmative Action*. Equal employment opportunity refers to the right of individuals to be judged on the basis of relevant training, skills, experience and previous performance, and not by criteria irrelevant to the performance of their jobs. Affirmative action refers to positive actions needed to identify and eliminate discrimination and to ensure fair treatment in hiring, pay, promotion and other personnel activities. Affirmative action also involves the necessary special efforts to search for women and minority candidates and other groups previously excluded from equal access to opportunities, to ensure that they are considered for available positions along with other qualified applicants.

Arizona State University has a tradition of individual efforts toward achieving diversity. We will continue to support these efforts and acknowledge with appreciation those caring, dedicated individuals who have laid a solid foundation on which to build.

In my tenure as president of Arizona State University, we have taken positive steps to increase minority representation. In that time, full-time regular faculty has grown 11 percent, from 1,447 in 1981 to 1,606 in 1987; while minority representation on the faculty has increased 55.8 percent, from 120 in 1981 to 187 in 1987. Correspondingly, numbers of tenured and tenure track minority faculty members have increased 64.2 percent from 81 to 133.

Over the same period, the full-time staff at ASU has grown 33.8 percent, from 2,554 in 1981 to 3,416 in 1987; and minority representation on the staff has increased 78 percent, from 327 in 1981 to 582 in 1987.

Similarly, overall student enrollment has grown 12.9 percent, from 38,075 in 1981 to 42,968 in 1987; while minority student enrollment has increased 35.3 percent, from 3,347 in 1981 to 4,529 in 1987.

Also, opportunities for women have increased during the same period of time at the university. For instance, women in the faculty have increased 23.8 percent, from 323 in 1981 to 400 in 1987. In 1987 women made up 55.3 percent of Arizona State University's work force whereas in 1981 they made up 50.8 percent. Similarly, the enrollment of women students has increased 15.5 percent, from 18,368 in 1981 to 21,216 in 1987.

However, we must move more aggressively now. Therefore, in addition to the annual Arizona State University Affirmative Action Plan, I have initiated a new program called Action Now designed to bring momentum and strength to the programs already underway. I have delegated specific assignments to the vice presidents of the university and expect that the assignments will be completed before the end of 1988–89. These initiatives are intended as starting points with the Action Now program being updated annually as needed.

I call upon each member of the university community to support these mainstream affirmative action efforts, which are aggressive, demanding, and far-reaching. The word is action. The time is now.

J. Russell Nelson
President

Revised 7-1-88
Supersedes 7-1-87

APPENDIX B

UNIVERSITY POLICY FOR STUDENT APPEAL PROCEDURES ON GRADES

Informal. The steps outlined below, beginning with Step A, must be followed by any student seeking to appeal a grade. Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university. It is university policy that students filing grievances and those who are witnesses will be protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.

A. The aggrieved student must first undergo the informal procedure of conferring with the instructor, stating the evidence (if any) and reasons for questioning that the grade received was not given in good faith. The instructor is obliged to review the matter, explain the grading procedure utilized, and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then go to the faculty member in charge of the course (regular faculty member or director of the course sequence) with the problem.

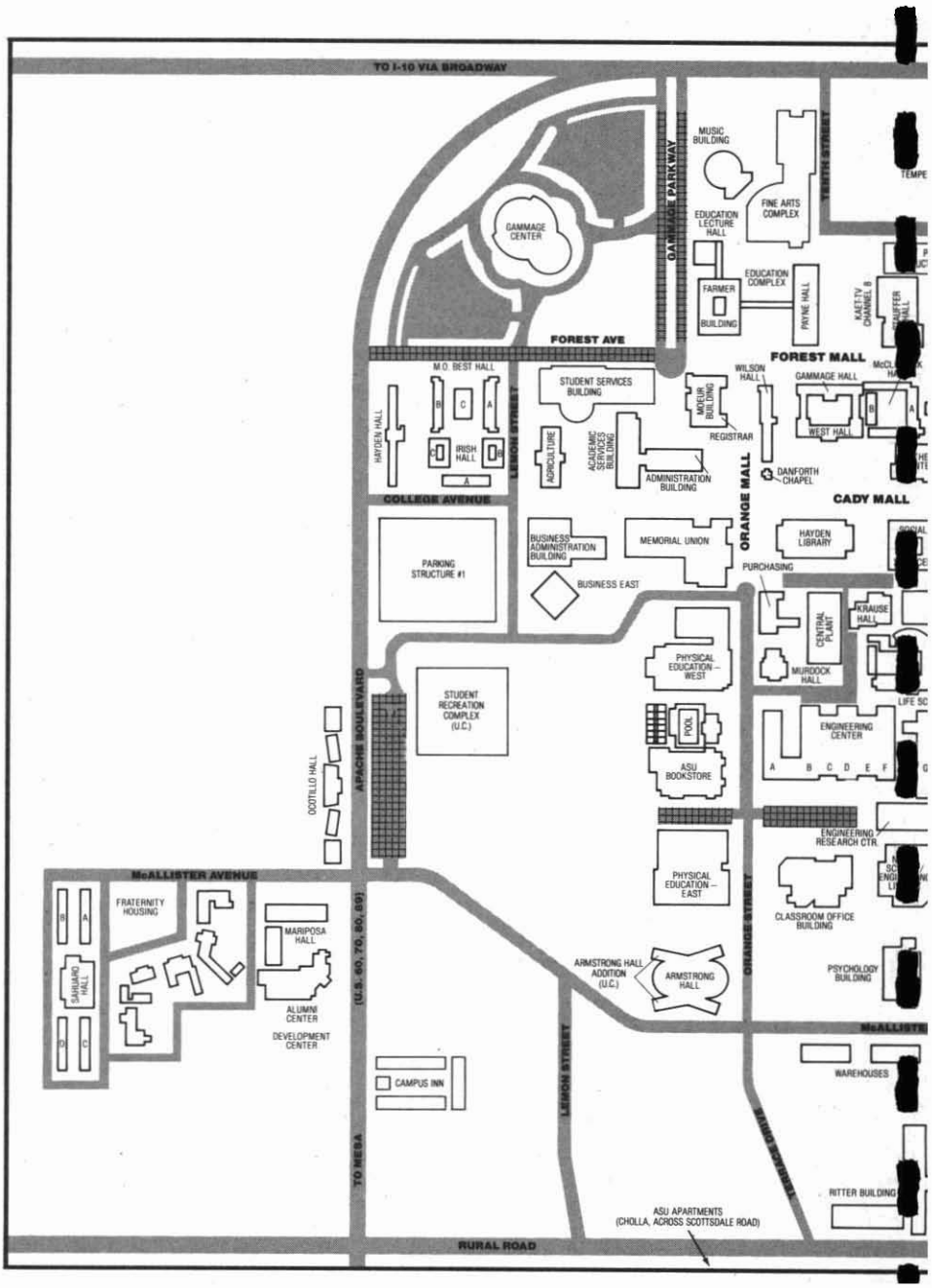
B. If the grading dispute is not resolved in Step A, the student may appeal to the department chair or other appropriate chair of the area within the department (if any). The department chair may confer with the instructor to handle the problem. Step B applies only in departmentalized colleges.

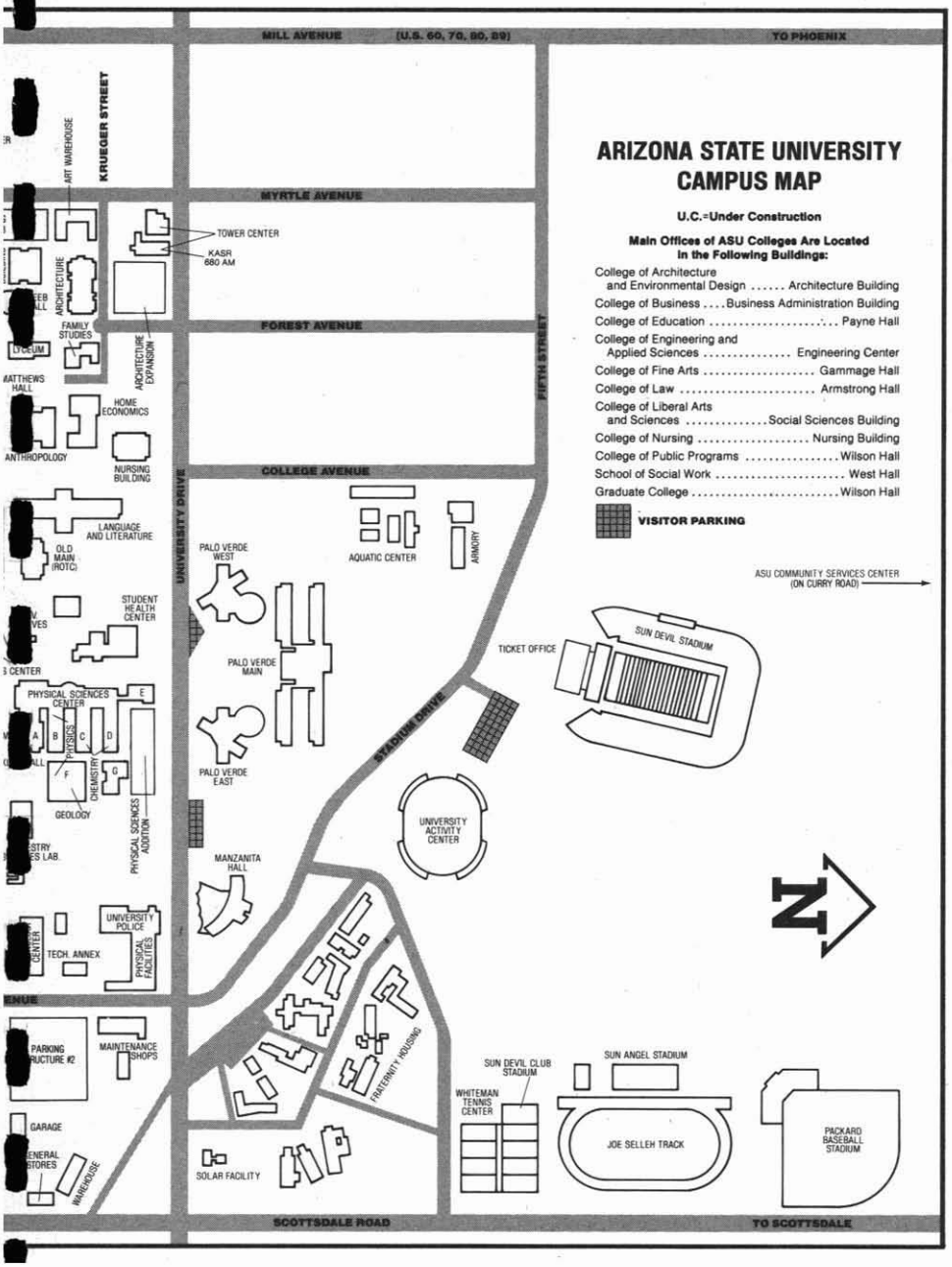
C. If these discussions are not adequate to settle the matter to the complainant's satisfaction, the student may then confer with the dean of the college concerned (or the dean designate), who will review the case. If unresolved, the dean or designate may refer the case to the college academic grievance hearing committee to review the case formally. In most instances, however, the grievance procedure will not go beyond this level.

Formal. The following procedure takes place after Steps A, B, and C (or A and C) have been completed.

D. Each college has on file in the Office of the Dean (and in each department of the college) the procedures and composition of the undergraduate or graduate academic grievance hearing committee for student grievances. Each college committee shall operate under grievance procedures as stated which satisfy due process requirements. The committee shall always meet with the student and the instructor in an attempt to resolve the differences. At the conclusion of the hearing, the committee shall send its recommendations to the dean.

E. Final action in each case will be taken by the dean after full consideration of the committee's recommendation. Grade changes (if any are recommended) may be made by the instructor (or the dean of the college in the absence of the faculty member). The dean shall have authority to take action as is deemed necessary by the case and shall so inform the student, instructor, department chair (if any) and the Registrar of action taken.


TO I-10 VIA BROADWAY
GAMMAGE CENTER
OAMBRE PARKWAY
MUSIC BUILDING
EDUCATION LECTURE HALL
FINE ARTS COMPLEX
TERRACE STREET
EDUCATION COMPLEX
FARMER BUILDING
PAYNE HALL
KAET-TV CHANNEL 8
FOREST AVE
FOREST MALL
M.O. BEST HALL
STUDENT SERVICES BUILDING
WILSON HALL
GAMMAGE HALL
MEDIA BUILDING
REGISTRAR
WEST HALL
HAYDEN HALL
IRISH HALL
LEMON STREET
AGRICULTURE
ACADEMIC SERVICES BUILDING
ADMINISTRATION BUILDING
DANFORTH CHAPEL
ORANGE MALL
CADY MALL
COLLEGE AVENUE
PARKING STRUCTURE #1
BUSINESS ADMINISTRATION BUILDING
MEMORIAL UNION
HAYDEN LIBRARY
PURCHASING
BUSINESS EAST
KRAUSE HALL
CENTRAL PLANT
PHYSICAL EDUCATION – WEST
MURDOCK HALL
STUDENT RECREATION COMPLEX (U.C.)
APACHE BOULEVARD
POOL
ENGINEERING CENTER
ASU BOOKSTORE
OOOTILLO HALL
ENGINEERING RESEARCH CTR.
PHYSICAL EDUCATION – EAST
McALLISTER AVENUE
FRATERNITY HOUSING
MARIPOSA HALL
CLASSROOM OFFICE BUILDING
ARMSTRONG HALL ADDITION (U.C.)
ARMSTRONG HALL
PSYCHOLOGY BUILDING
SAHUARO HALL
ALUMNI CENTER
DEVELOPMENT CENTER
(U.S. 60, 70, 80, 89)
CAMPUS INN
WAREHOUSES
TO MESA
RITTER BUILDING
ASU APARTMENTS (CHOLLA, ACROSS SCOTTSDALE ROAD)
RURAL ROAD



ARIZONA STATE UNIVERSITY CAMPUS MAP

U.C.=Under Construction

Main Offices of ASU Colleges Are Located In the Following Buildings:

College of Architecture and Environmental Design ..... Architecture Building
College of Business ....Business Administration Building
College of Education ..... Payne Hall
College of Engineering and Applied Sciences ..... Engineering Center
College of Fine Arts ..... Gammage Hall
College of Law ..... Armstrong Hall
College of Liberal Arts and Sciences .....Social Sciences Building
College of Nursing ..... Nursing Building
College of Public Programs .....Wilson Hall
School of Social Work ..... West Hall
Graduate College .....Wilson Hall

VISITOR PARKING

Building Abbreviations

ADM .... Adm n strat on Building
AG .. . . Agr culture Building
ANTH . ... Anthropology Building
AQUAT . ....Aquat cs Center
ARCH .. ..Architecture Build ng
ARCHX .. .. Arch tecture Annex
ARCV . . . .Univers ty Arch ves
ASB . . ....Academ c Services Bui d ng
ART .. .. Art Bui d ng
ARWH .... Art Warehouse
BA ... Bus ness Adm n strat on Bui d ng
BAC ....Bus ness Adm n strat on C W ng
BKSTR .. .. ASU Bookstore
CERA . .. . Ceram cs Annex
CFS .. ..Center for Family Stud es
CHAPL ... . Danforth Chape
CMPIN . ... .Campus Inn
CMSC1 . .Community Serv ces Center Bui d ng
COB . ... Classroom Off ce Bu d ng
CP .... Centra P ant
EC W ngs A G Eng neer ng Center
ENGRC .. .. Eng neer ng Research Center
ED . . . .. .Farmer Educat on
EDB . ... Payne Education Ha
EDC . ... Educat on Lecture Ha
FAA . .. .F ne Arts Annex
FAC . ... .Fine Arts Center
FIELD .... Un vers ty F eld Lab
FSL . .. .Forestry Serv ces Lab
GAR .. ..Garage and Motor Poo
GGMA .. Grady Gammage Memor al Aud tor um
GHALL .... .. D x e Gammage Ha
HEC ... . Home Economics
HECX .... . Home Economics Annex
RISH ... . Ir sh Ha
KRAUS ... . Krause Ha
LAW .. .. Armstrong Ha
LIB ... . Char es T Hayden L brary
LL .. Language and L terature Bu d ng
LS ... .L fe Sc ences Center
LYC ..... . Lyceum Theatre
MA N .... O d Main
MARIP ... .Mar posa Ha
MCENT Matthews Center
MCL . ...McCl ntock Ha
MHALL . . . . Matthews Ha
MOEUR ... . Moeur Adm nistration
MTCHL .... M tchell School (Tempe
MU .. . . .Memoria Union
MUR . . .. Murdock Lecture Hal
MUSIC .... Mus c Building
NEEB .. .. L. S Neeb Hall
NOBLE . Nob e Science Center
NUR ... .Nurs ng Build ng
PBS ... ...Packard Baseba Stadium
PEBE Physica Educat on Bu d ng East
PEBW ... . Phys ca Educat on Bu d ng West
PPS .. Phys ca P ant and Shops
PS .. .. .Phys ca Sc ences Center
PSY ....Psycho ogy Bu d ng
PURCH Purchas ng and Genera Stores
RITT .... R tter Bu d ng
RURLS . Rural School (Tempe)
SDF . ... .So ar Demonstration Facility
SHS . Student Hea th Serv ce
SS ... ... .Soc a Sc ences Bu d ng
SSV ... . Student Serv ces Bu d ng
STAD . . Sun Devil Stad um
STAUF .. .. Stauffer Ha
TC ....Technology Center
TCB . . .. Aeronautics Bu d ng
TCC .. .. Techno ogy Center Annex
THWH .... Theatre Warehouse
TCM Technology Modu ars
TOWER ... . University Tower Center
TRACK ... ...Joe Se eh Track
UAC .. ..Un vers ty Activity Center
WH .. ..Warehouse
WHALL . . . . West Ha
WILSN .. .. .Wi son Adm n strat on
WTC . . Whiteman Tenn s Center

Academic Definitions

Academic Renewal. An undergraduate who has been readmitted to the university after an absence of at least five years and who has satisfactorily completed a minimum of 12 additional semester hours in residence at ASU, may, upon petition to the dean of the college, have the former record treated in the same manner as transfer credits. See pages 49–50.

ACT. All new freshman applicants *must* take either the American College Test (ACT) or Scholastic Aptitude Test (SAT) on a national test date in their junior or senior years of high school. See page 29.

Advanced Placement. Students who have taken an advanced placement course of the College Entrance Examination Board (CEEB) in their secondary school *and* who have taken an Advanced Placement Examination of CEEB may receive credit. See pages 34–36.

ALCP. The American Language and Culture Program (ALCP) features an intensive, non-credit course of study designed for adult international students who desire to become proficient in English as a second language. See pages 467–468.

ASASU. The Associated Students of Arizona State University (ASASU) is the student government for the university, the official representative of the student body in matters of university governance and budgeting. See pages 89–90.

ASU West Campus. Arizona State University West Campus is the Phoenix based satellite campus of ASU, established in 1984 by the Arizona Legislature to serve the educational needs of residents in western Maricopa County. See pages 451–453.

Audit Enrollment. A student who audits a course attends regularly scheduled class sessions but earns no credit. See page 45.

Buckley Amendment. The Family Educational Rights and Privacy Act of 1974, or Buckley Amendment, sets forth the requirements governing the protection of the privacy of the educational records of students who are or have been in attendance at Arizona State University. See page 44.

CLEP. As part of the College Level Examination Program (CLEP), students who have taken a College Level Examination of the College Entrance Examination Board may receive university credit. See pages 36–38.

Comprehensive Exam. A comprehensive examination is intended to permit a student to establish academic credit in a field in which the student has gained experience or competence equivalent to an established university course. See pages 38–39.

Cooperative Education. Cooperative Education is any educational program that requires alternating classroom and work experience in government or industry. The work experience exists for its educational value. See page 41.

Course Load. A minimum full time course load for an undergraduate student is 12 semester hours. The maximum course load for which a student may register is 18 semester hours (with the exception of a 19 hour maximum for students enrolled in the College of Engineering and Applied Sciences or the College of Architecture and Environmental Design). See page 40.

Course Prefix. The course prefix is the three letter designation assigned by each instruction unit. The Course Prefix Index, on page 580, provides a comprehensive list. Also see *cross listing* below.

Credit. One semester hour represents one 50 minute class exercise per week per semester. A minimum of 126 semester hours is required for graduation with a baccalaureate degree. To obtain credit, a student must be properly registered and pay fees for the course. See pages 45 and 457.

Cross-listing. One course may have more than one course prefix and may be offered by more than one department. Some instruction units require students to enroll in a course under a certain prefix in order to receive credit properly. Course descriptions in the *General Catalog* indicate courses that are cross listed.

Concentration. A concentration is a selection of courses within a major or among one or more majors.

Cum laude. A student with a cumulative grade point average of 3.40–3.59 will graduate *cum laude*. See page 83. Also see *magna cum laude* and *summa cum laude* below.

Drop Add. A student who has registered for courses for a semester or summer session may

drop or add courses through the first week of classes or the first two days of a summer session. See page 46.

Emphasis. An area of emphasis is a selection of courses within a major or among one or more majors.

Freshman. A student who has earned 24 or less hours is a freshman.

General Studies Requirements. The General Studies program consists of five core areas and two awareness areas. The core areas are Literacy and Critical Inquiry, Numeracy, Humanities and Fine Arts, Social and Behavioral Sciences, and Natural Sciences. The two awareness areas are Global Awareness and Historical Awareness. All undergraduate students must successfully complete a minimum of 35 semester hours of approved General Studies courses. See pages 50–80.

GPA. The grade point average (GPA) is obtained by dividing the total number of grade points earned by the number of semester hours graded. Grade point averages are rounded to the nearest hundredth of a grade point. See page 47.

Grade Points. For the purpose of computing the GPA, grade points are assigned to each of the grades for each semester hour as follows: "A," four points; "B," three points; "C," two points; "D," one point, and "E," zero points.

Graduate Catalog. The *Graduate Catalog* describes the procedures and requirements for enrollment in the Graduate College. See page 454 of the *General Catalog* for a complete list of graduate degrees and majors.

Graduate-Level Courses. Courses numbered 500–799 are designed for graduate students. However, upper division undergraduate students may enroll in graduate courses with the approval of their advisor, the course instructor, the department chair and the dean of the college or school in which the course is offered. See page 43.

Incomplete. A mark of "I" (incomplete) is given by the instructor only when a student who is otherwise doing acceptable work is unable to complete a course because of illness or other conditions beyond the student's control. See pages 45–46.

Independent Study. The course number 499 has been reserved for Independent Study courses in each of the instructional departments or divisions of the colleges at the undergraduate level. Independent study courses are honor courses and may be taken only by outstanding senior students who have completed at least one semester in residence. See page 43.

Junior. A student who has earned 56–86 hours is a junior.

LIA 100. See *University Adjustment and Survival* below.

Lower-Division Courses. Courses numbered 100–299 are designed primarily for freshman and sophomore students. See page 43.

Major. A specialized group of courses contained within the program of study. Refer to college and school sections for specific descriptions and requirements.

Magna cum laude. A student with a cumulative GPA of 3.60–3.79 will graduate *magna cum laude*. See page 83. Also see *cum laude* above and *summa cum laude* below.

Minor. A specialized group of courses contained within the program of study available from some instruction units. Refer to college and school sections for specific descriptions and requirements.

Omnibus Course. An omnibus course is offered on an experimental basis. The title and course content varies with the subject matter. See pages 43–44.

Option. An option is a selection of courses within a major or among one or more majors.

Pass/Fail Enrollment. A mark of "P" (pass) or "E" (fail) may be assigned for this grading option. This grading method may be used at the option of individual colleges and schools within the university. See page 45.

Prerequisite. A student registering for a course must meet the previous course requirements (prerequisites) listed for it or otherwise satisfy the instructor that equivalent preparation has been completed. See page 44.

Probation. A student's college assumes responsibility for enforcing academic standards and may place any student on probation who has failed to maintain good standing. A student on academic probation is required to observe any rules or limitations the college may impose as a condition for retention. See page 49.

Proficiency Examination. A proficiency examination is given to (a) waive a course requirement, (b) validate certain transfer credits in professional programs, and (c) determine a student's ability in a field where competence is an important consideration. See page 39.

Program of Study. Students must file an Undergraduate Program of Study for graduation within the semester they earn their 87th hour. See page 81 The complete array of courses included in the study leading to a degree make up a student's program of study.

Restricted Withdrawal. Between the fourth week and up to the end of the 10th week of a semester, students may withdraw with a mark of "W" only from courses in which the instructor certifies that they are passing at the time of the withdrawal. See page 46.

SAT. All new freshman applicants *must* take either the American College Test (ACT) or Scholastic Aptitude Test (SAT) on a national test date in their junior or senior years of high school. See page 29.

Senior. A student who has earned 87 or more hours of credit is a senior.

Sophomore. A student who has earned 25 55 hours of credit is a sophomore

Special Topics. Courses numbered 294, 394, and 494 cover topics of immediate or special interest to a faculty member and students. See page 43.

Summa cum laude. A student with a cumulative GPA of 3.80–4.00 will graduate *summa cum laude*. See page 83. Also see *cum laude* and *magna cum laude* above.

TOEFL. All applicants to ASU whose native language is not English and who have not attended a high school for their junior and senior years where English is the language of instruction or graduated from a college or university where English is the language of instruction are required to take the Test of English as a Foreign Language (TOEFL) in place of the ACT or SAT. See pages 29 and 467 Also see *ALCP* above.

Transcript. The transcript has information about classes taken and grades earned. The Office of the Registrar releases official transcripts only upon written request of the student for a fee of $1 00 per copy for enrolled students or $5.00 per copy for nonenrolled students. Unofficial transcripts may be obtained free of charge in person at the Office of the Registrar, any Registrar Site, or by mail if a signed release is enclosed. See page 47. Also see *Buckley Amendment* above.

University Adjustment and Survival. This course (LIA 100), offered by the College of Liberal Arts and Sciences, is an analysis of student motivation and goals. This course is designed to reinforce language facility and study skills. Students are oriented to university resources and procedures. See page 154.

Unrestricted Withdrawal. During the first four weeks of a semester a student may withdraw from any course with a mark of "W." See page 46.

Upper-Division Courses. Courses numbered 300–499 are designed primarily for juniors, seniors and other advanced students. See page 43.

WICHE. Through the Western Interstate Commission for Higher Education (WICHE), qualified Arizona residents may attend professional schools of dentistry, veterinary medicine, occupational therapy, optometry, and osteopathy in other western states at essentially the same expense to the students as to residents of the state in which the school is located. See page 83.

Directory

Instructional Units

Architecture and Environmental Design, College of	**ARCH 134**	**965–3216**
Architecture, School of	ARCH 140	965–3536
Design, Department of	ARCH 154	965–4135
P ann ng, Department of	ARCH 135	965–7167
ASU West Campus	**Montebello Z1**	**279–5484**
Business, College of	**BA 140**	**965–4227**
Accountancy, School of	BA 223	965–3631
Decision and Informat on Systems, Department of	BAC 554	965–6350
Economics, Department of	BAC 659	965–3531
Finance, Department of	BA 318	965–3131
Genera Bus ness, Department of	BA 319	965–3231
Hea th Admin strat on and Pol cy, School of	BA 252	965–7778
Management, Department of	BA 367	965–3431
Marketing, Department of	BAC 400	965–3621
Purchasing, Transportation, Operations, Department of	BA 323	965–6044
Education, College of	**ED B-104**	**965–3306**
Curriculum and Instruction, Division of	ED B 225	965 1644
Educationa Leadership and Pol cy Studies, D v s on of	ED 108	965–6357
Psycho ogy in Education, D v s on of	ED B 301	965–3384
Engineering and Applied Sciences, College of	**ECG 100**	**965–3421**
Aeronaut ca Techno ogy, Department of	TCB 203	965–7775
Aerospace Engineer ng, Department of	ECG 346	965–3291
Agr business and Environmental Resources, School of	AG 281	965–3585
Chemical, Bio and Materia s Engineer ng, Department of	COB B-210	965 3313
Civ l Engineer ng, Department of	ECG 136	965–3589
Computer Sc ence, Department of	ECG 252	965–3190
Construction, Department of	COB 268	965–3615
Construction and Techno ogy, School of	TCB 201B	965–3874
Electr cal and Computer Eng neering, Department of	ECG 127	965–3424
Electronics and Computer Techno ogy, Department of	TC 301	965–3137
Industrial and Management Systems Engineering, Department of	ECG 120B	965–3185
Industrial Technology, Department of	TC 201A	965–3781
Manufacturing Technology, Department of	TC 201F	965–6584
Mechan cal and Aerospace Eng neering, Department of	ECG 346	965–3291
Fine Arts, College of	**GHALL 127**	**965–6647**
Art, School of	ART 102	965–3468
Dance, Department of	PEBE 132	965–5029
Mus c, School of	MUSIC 183	965–3371
Theatre, Department of	GHALL 232	965–5359
Graduate College	**WILSN Lobby**	**965–3521**
Law, College of	**LAW 101**	**965–6181**
Liberal Arts and Sciences, College of	**SS 111**	**965–6506**
Aerospace Studies, Department of	MAIN 340	965–3181
Anthropo ogy, Department of	ANTH A 124	965–6213

Botany, Department of	LS C 210	965–3414
Chemistry, Department of	PS D 102	965–3461
English, Department of	LL B 504	965–3168
Family Resources and Human Development, Department of	HEC 106	965–6978
Foreign Languages, Department of	LL B 404	965–6281
Geography, Department of	COB 338	965–7533
Geology, Department of	PS F 686	965–5081
Health and Physical Education, Department of	PEBW M-212	965–3875
History, Department of	SS 204	965–5778
Humanities Program	LL C 352	965–6747
Mathematics, Department of	PS A 216	965–3951
Microbiology, Department of	LS 378	965–1457
Military Science, Department of	MAIN 240	965–3318
Philosophy, Department of	PS A-524	965–3394
Physics, Department of	PS F-470	965–3561
Political Science, Department of	SS 410	965–6551
Psychology, Department of	PSY 237	965–3326
Religious Studies, Department of	LL B 605	965–7145
Sociology, Department of	SS 321	965–3546
Speech and Hearing Science, Department of	LL A-145	965–2373
Women's Studies Program	SS 104	965–2358
Zoology, Department of	LS C-226	965–3571
Nursing, College of	**NUR 322**	**965–3244**
Public Programs, College of	**WILSN 234**	**965–1034**
Communication, Department of	STAUF A 412	965–5095
Journalism and Telecommunication, Walter Cronkite School of	STAUF A 231	965–5011
Justice Studies School of	WILSN 331	965–7682
Leisure Studies, Department of	GHALL 204	965–7291
Public Affairs, School of	WILSN 211	965–3926
Social Work, School of	**WHALL 137**	**965–3304**
The University Honors College	**MCL 113**	**965–2359**

Other

Admissions	SSV C111	965–7788
Bookstore	BKSTR	965–7928
Career Services	SSV C-359	965–2350
Drop-Add and Withdrawal Information	SSV B114	965–3124
Graduation Office, Undergraduate Division	SSV B113	965–3256
Hayden Library (information)	LIB	965–6164
(hours)		965–3415
International Admissions	SSV C111	965–2688
International Programs	Moeur 124	965–5965
Intramural Sub Sports Recreation	PEBW Lobby	965–2626
Memorial Union Information Desk	MU First Level	965–5728
Off Campus Academic Services	ED 404	965–6563
On Campus Student Employment	SSV C222	965–5186
Operator, University		965–9011
Orientation, New Student	SSV C111	965–2677
Readmission	SSV B114	965–7440
Registrar	SSV B114	965–3124
Residence Life	SSV A131	965–3515
Student Financial Assistance	SSV C219	965–3355
Student ID	ED B42	965–3124
Summer Sessions	ASB 109	965–6611
University Academic Advising Center	SS 101	965–4464

Course Prefix Index

AAD AR H TECTURAL ADM N STRAT ON AND MANAGEMEN 01
ACC ACC N ANCY 22
ADE ARCH ECTURAL DES GN AND ECHNO GY S D S 201
ADV ADVER S NG 24
AED AD L EDUCAT ON 259
AES AEROSPACE ST D E 04
AET AERONAUT A TE N L Y 295
AGB AGR BUS NESS 281
ANP ENV RONMENTA ANALY S AND PROGRAMM NG 202
APH ARCH TECT RAL PH OS PHY AND H STORY 2 2
ARA ART A X L ARY COURS S 38
ARE ART ED CAT N 7
ARP AR H TECT RE PR FE S ONA T D ES 204
ARS ART H STOR 3 8
ART ART 3
ASB ANTHROP OGY SO A AND BEHAV ORA 106
ASE ANALY S AND YSTEMS 316
ASM ANTHROPO OGY SC ENCE AND MATH 5
AST ASTRONOMY 17
ATE ARCH TECT RA TE HNO OGY 3
AVC ARCH TECT RA COMM N AT N 4
B O B OLOGY 1 9
B E B NG A EDUCAT ON 55
B W BU NESS LAW 4
BME B OENG NEER NG 26
BOT B TANY 1
CBE C MPUTER BASED EDUCAT ON 52
CDE CH LD DEVE OPMENT 124
CED CO NSELOR EDUCAT ON 264
CEE C V L ENG NEER NG 1
CET C MPUTER EN NEER NG TE HNOLOGY 0
CHE CHEM CA ENG NEER NG 4
CH H NESE 1
CHM CHEM STRY 1 3
C S MPUTER NF RMAT ON SYSTEMS 9
CLS C N CA LABORAT RY SC ENCE ME TECH 161
COE O EGE OF EDU AT N CORE 51
COM COMM N AT N 423
CON CONSTR CT ON 289
CPY COUNSEL NG PSYCH LOGY 265
CSC COMPUTER SC EN E 37
DAH DANCE H S ORY 381
DAN DANCE 3 1
DC URR CU UM AND N TRU T N 252
DSC DES N 210
ECD EARLY CH LD OOD EDU AT N 253
ECE ENG NEER NG CORE 16
ECN ECON M S 2 1
EDA EDUCAT ONAL ADM N STRAT ON AND S PERV S N 262
EDP ED CAT ONAL P CHO OGY 265
EDT EDUCAT ONAL TE HN O Y 26
EED E EMENTARY ED CAT ON 254
EEE E E TR AL AND C MP T R ENG NEER N 342
EET E EC RON CS ENG NEER N EC NOLOGY 299
ENG ENG SH 118
ERA ENV RONMENTA RESO R S N A R C LT RE 28
ETC ENG NEER NG TECHNO GY CORE 292
FAS FAM LY ST D ES 124
F N F NAN E 233
FLA FORE GN LANG AGE 129
FON FOOD AND N TR T N 25
FRD FAM LY RESO R ES AND H MAN DEVELOPMENT 26
FRE FRENCH 31
GCU C LTURAL GEOGRAPH 39
GER GERMAN 32
GLG GEOLOGY 42
GNB GEN RAL B NE S 235
GPH PHYS AL GEOGRA HY 40
GRC GRAPH COMM N CAT ONS 3 5
GRK GREEK 3
GRN GERONT LOGY 4
HDE HUMAN DEVE O MENT 415
HED H GHER EDU AT N 263
HEE HOME CONOM CS ED CAT ON 1 6
HES HEA T SC ENCE 145
H S H STORY 149
HPS H STORY AND PH SOPHY OF SC ENCE 166
HSA HEALTH ADM N S RAT ON AND P L CY 236
HUE HUMAN T ES EDU A N 259
HUM HUMAN T ES 12 154
BS NT RNAT NAL BUS NES ST D E 37
CG NTERA T VE COMP TER GRAPH C 6
ED ND AN ED AT N 256
EE ND STR A & MANAGEMENT YSTEM ENG NEER NG 348
ME D CAT ONA M D A 253
NS NSURANCE 2 4
PO NTERNAT ONAL PROGRAM OVER EAS 43
ST ND STR A MANAGEM NT 3 5
TA A AN 133
TC ND STR A TE NO OGY RE 3 5
ITE ND S R A ECHNOLOGY ED CAT ON 3 7
JPN JAPANESE 1 3
JRN JO RNAL SM 428
JUS UST E ST D S 430
LAT LAT N 134
LAW LAW 403
LIA L BERAL ARTS 154
L S L BRARY C EN E 258
MAE ME HAN AL AND AER SPAC ENG NEER NG 3 5
MAT MATHEMAT CS 1 6
MCE M LT LTURAL EDUCAT N 2 5
MCO MA S MM N CAT ON 42
MET MAN FACTUR N TECHNOLOGY 310
MGT MANAGEMENT 238
MHL M S C H STORY 389
M C M R B OLOGY 160
M S M L TARY SC ENCE 164
MKT MARKET NG 24
MSE MATER A S S ENCE AND ENG NEER NG 32
MTC M S C THEORY AND COMPO T N 39
MTE MATHEMAT C ED CAT ON 158
MUE MUS C E CAT ON 3 8
MUP M S C P RFORMANCE 391
MUS M S 387
NUC N EAR EN NEER NG 363
NUR N R NG 412
OPM PERAT ONS PROD T ON MANA EMENT 241
PAF P B C AFFA RS 43
PED PHYS CA EDUCAT ON 145
PGS PSY HO OGY SOC A AND BEHAV ORAL 7
PH PH O OPHY 65
PHS PHYS CA S EN ES 171
PHY PHYS CS 16
PLA LANDSCAPE ARCH TECTURE 17
POR PORTUGUE E 34
POS POL CAL SC ENCE 72
PSY PSYCH OGY SC EN E AND MATH 7
P D H S NG AN URBAN DEVE OPMEN 21
PUP RBAN PLANN NG 21
P R P RCHA NG MATER A MANA EMEN 242
QBA QUANT TAT VE B NESS ANAL 229
RDG REA NG 25
REA REAL ESTATE 2 4
REC E SURE ST D ES 434
REL REL G OUS TUD ES 1 9
RUS RUSS AN 1 5
SAE SAFETY ED CAT ON 259
SED ECON ARY EDUCAT ON 258
SEM S ENCE AND ENG NEER NG OF MATER ALS 464
SHS SPEECH AND H AR NG S EN E 184
SOC OC OLOGY 18
SPA SPAN SH 1 6
SPE SPEC AL EDUCAT ON 259
SPF D CA NA P CY T D ES 2
STE SOC ETY VAL ES AND TE HN L G 3 7
STP AT S C AND PR BAB TY 159
SWG OC A W RK RADUATE PROGRAM 449
SW OC A W RK NDERGRAD ATE PR RAM 44
TCE TECHN OGY C RE 292
TCM TELECOMM N CAT ON 428
THE THEATRE 396
THP THEATRE PERF RMANCE AND PROD CT ON 397
TRA TRAN PORTAT ON 242
TXC EXT LES AND C TH NG 126
UET M ROE ECTR N C EN NEER NG ECHNO OGY 301
WST WOMEN S STUD S 187
ZOL ZOO OGY 189

Index

A

Abbrev ations key, course istings 44
  course pref x, 580
  Genera Stud es, 53
Ab e and Ambit ous Program 31
Academ c advisement, 39
  ca endar 8
  comp a nts 49, 571
  dishonesty, 49
  organ zation 562
  recogn t on, 83
  renewa , 49
  standards, 48
Accountancy, Schoo of 226
  courses, 227
Accred tation and aff ation, 12
ACT, 28
Act ng emphas s, 395
Act v t es student 89
Adm nistrative off cers, 562
Adm ss on, 28
  academic adm ss on requ rements, 29
    for transfer students, 32
  advanced p acement 34
  app cat on 28
  Arizona residents, 28
  class stand ng of students, 48
  College of Law 400
  commun ty co ege cred ts, 33
  d sab ed app cants, 33
  dom c e aff davit, 28
  entrance credit 34
  genera requirements, 29
  Graduate Co ege, 454
  nternat ona students, 29, 34 455
  nonres dents, 28, 32
  procedures, 28
  readmission, 81
  registration procedures, 40
  requ red secondary schoo subjects 30
  Schoo of Socia Work 439
  Summer Sessions, 465
  transcr pts, 28
  transfer credits, 32
  unc ass fied undergraduates 32
  undergraduate off ce, 85
  veterans except on 33
  w th d st nction 31
Adult Deve opment and Aging Program, 463
Adu t Education Program, 252
  courses 259
Advanced degrees, 454
Advanced p acement, 34
Advanced Pub c Execut ve Program, 436
Advertising courses, 240
Advisors 39
Aerodynamics, emphas s 352
Aeronaut cal Eng neer ng Techno ogy
  major, 293
Aeronaut cal Management Techno ogy,
  major 293
Aeronaut cal Technology, Dept of 293
  courses 295
Aerospace, emphas s 355
Aerospace Engineer ng major 351
Aerospace Materia s, emphas s 352
Aerospace Structures, emphasis, 352
Aerospace Stud es, Dept. of, 103
  courses 104
  ROTC program, 103
  scholarsh ps, 103
Aff rmative Act on statement, 570
Agr bus'ness and Env ronmenta Resources,
  Schoo of 277
  core, 278
  courses, 281
Agribus ness, major, 279
  courses, 281
Aircraft F ght Management, opt on, 294
Airway Science Management, opt on, 294
Alternat ve Sources and Conversion,
  emphasis 354
Alumni Assoc ation, 15
American Assemoly of Col egiate Schools of
  Business 218
Amer'can Chemica Soc ety Cert f cat'on, 112
Amer can Counc l for Construction
  Educat on, 286
Amer can Human'cs, 434
American Language and Culture Program,
  34, 467
Analysis and Systems, courses, 316
Anthropo ogy Dept. of 104
  courses 105
Anthropo ogy Just ce Stud es graduate
  program, 429
Appea s, 33, 49, 571
App cation for graduat'on, 81
App ed Mathemat cs option 155
Arch tectura Adm n strat on and
  Management,
  courses, 201
  emphas s, 200
Arch tectural Des gn and Technology
  Stud os,
  courses, 201
  emphasis, 200
Architectural Communicat on, courses, 204
  emphasis, 201
Arch tectura Ph'losophy and History,
  courses, 202
  emphas s 200

Arch tectural Technology, courses, 203
emphas s, 200
Arch tecture, Schoo of , 196
courses, 201
Arch tecture and Env ronmenta Design, College of, 191
academ c standards 193
adm ss on, 192
advisement 192
Bache or of Sc ence n Design degree, 192
degrees, 192
degree requirements 192
fore gn study, 194
genera nformat on 195
Genera Stud es requ rements, 193
Graduation requ rements, 193
master's degrees, 192
organ zation, 191
purpose, 191
specia programs, 195
student responsibilities, 194
Arch tecture Professional Stud es, courses, 204
emphas s, 201
Ar zona Historica Foundat on L brary, 14
Ar zona res'dent requirements for 24 28
Art H story, courses 378
emphas s, 372
Art Education, courses, 377
emphas s, 373
Art Museum, Un vers ty, 14
Art, School of 372
courses, 373
Art Auxi iary, courses, 380
Asian Stud es (also see spec f c department for study emphasis), 101
Associated Schools of Construct on 286
Associated students 89
Astronomy, courses, 170
minor 167
ASU 3+2 programs 276, 286
ASU West Campus, 13, 451
Athletics, coach ng, 145
intercollegiate, 90
tra ner s cert f cate, 145
Attendance, 40
Audit enro ment, 45, 458

B

Baccalaureate degree requirements, 81
Baccalaureate Student Nurse Organ zation, 411
Bache or's degrees·
genera list, 19
of Arts See area of spec a zation
of Arts n Educat on, 245
of Fine Arts, 368, 372, 380 395
of Mus c, 368, 384
of Sc ence, see area of spec a zation
of Science in Design 192 196, 205, 212
of Sc ence n Eng neering 271, 312, 314, 318, 320 323, 329, 341, 346, 352, 353, 354 359
of Sc ence in Nurs ng, 407, 409
of Soc al Work, 439, 442
second Bache or's degree, 83
Beta Gamma S gma, 218
Bil'ngua Educat on courses 255
Bimson L brary 14
Biochem ca emphasis, 319
B ochem ca Eng neer ng, emphas s 321
B oe ectr ca Eng neer ng, emphasis, 321
Bioengineer ng 320
courses, 326
major 320
Bio og ca Sciences, courses, 109
major 109 188
Bio ogy courses 109
major, 109 188
B omechanica , emphas s 355
B omechan ca Engineer ng emphas s 321
B omedica , emphas s 319
B onuc ear Eng neer ng, emphas s 321
B osystems Engineer ng, emphas s, 321
Board of Regents Ar zona 1, 472
Botany Dept. of, 110
courses, 111
Broadcast ng, major, 426
Buck ey Amendment, 44
Business, Co lege of, 218
academ c standards, 225
adm ss on, 219
adv sement 220
Bache or of Sc ence degree, 222
core requ rements, 223
degrees 222
doctora degrees, 223
Genera Stud es requirements, 224
graduat on requirements, 223
master s degrees, 222
purpose, 218
organizat on, 218
specia programs, 225
Bus ness and Pre-Law, Eng neer ng program 366

C

Ca endar Academ c, 8
Camp Tontozona, 13
Candidacy for degrees,
graduate 459
undergraduate, 81
Career Serv ces 88
Catalog, graduation under or g na enro ment, 82
Centers.
a so see research and service agenc es 566
Academ c Precoc ty 245
Advanced Purchas ng Stud es, 219

Advanced Research n Transportat on 269
Ar zona Rea Estate 219
Asian Stud es 101 225
Bilingual Bicu tura Educat on, 244
Bus ness Research, 218
Cancer Research nst tute 102
Computer Integrated Manufactur ng Systems Research, 269
Counse or Tra n ng, 245
Decis on Systems Research, 219
Economic Outlook 218
Energy Systems Research 269
Env ronmenta Stud es 42
Executive Development, 219
F'nancia System Research, 219
First nterstate Center for Services Marketing, 219
Hahn Center for Entrepreneurship and nnovat on, 219
Hispanic Research, 102
Ind an Educat on, 244
Joan and David L nco n Center for Ethics, 219
Lat n Amer can Studies, 102 225 (Also see spec f c dept. for study emphasis)
Law, Sc ence and Technology, 402
Med eva and Rena ssance Studies, 42
Meteor te Studies, 102
NEWCAST (Agricu ture) 277
Office Automat on Research, 219
Profess ona Development, 269
So d State E ectronics Research, 269
So d State Sc ence, 102
Study of Law, Science and Techno ogy 402
Te ecommun cations Research 269
Urban Stud es 436
Ceram cs (art) courses, 376
concentrat on, 373
Certificat on for teach ng in Ar zona, 249
Charges fees 21
Chemica , B o and Materia s Eng neer ng, Dept of, 317
courses, 324
Chemica Engineer ng, courses, 324
major, 318
Chemica Process ng and Energy Systems, emphas s, 323
Chem stry, Dept. of, 112
courses, 113
student exchange program, 112
Child Deve opment, opt on 122
Child Deve opment, courses, 124
Ch nese courses, 130
Choral Mus c major, 384
C ty and Reg ona Planning, 42
C v Eng'neering Dept of, 329
courses, 331
major 329
C ass standing of students 48
C ass'f cat on of courses, 43
C ass'f cat on of secondary school subjects, 30
C mato ogy, aboratory of, 139
Clin ca Laboratory Sciences major 160
Clin ca Laboratory Sc ences Medica Techno ogy, courses 161
Cloth ng, text es courses, 126
Coaching ath etics, minor, 145
Code of Conduct, 17
College, list, 6
Arch tecture and Env ronmental Des'gn, 191
Bus ness, 218
Educat on, 244
Engineering and App ed Sciences, 268
Fine Arts, 367
Graduate 454
Law, 400
L beral Arts and Sciences 94
Nursing, 406
Pub c Programs, 416
Soc'a Work (Schoo of), 439
Co ege Leve Exam nation Program (CLEP), 36
Communicat on, Dept. of 421
courses, 423
nterd sc p nary doctoral degree, 422
Commun ty co ege cred ts 33
Compos t on requirement 81
Comprehens ve exam nat ons 22, 38
Computat ona Mathemat cs opt on 155
Computer Based Educat on, courses 252
Computer Engineer ng Techno ogy, courses, 300
Computer Graph cs Interactive, opt on, 304
Computer Informat on Systems, courses, 229
major 228
Computer ntegrated Manufactur ng Eng neering Technology option, 308
Computer nst tute, 13
Computer Methods emphas s, 355
Computer Sc'ence, Dept. of 115 334
courses 337
emphasis 364
major, 115, 334
Computer Systems, Opt on, 297
Computer Systems Engineer ng, major 336
Computer A ded Manufactur ng, emphas s, 347
Comput ng fac t es and services, 15
Concurrent enrollment 21, 40
Cond t onal adm'ss on, 33, 81
Conduct of students, 17
Conference Services, 471
Construct on Dept of, 286
courses, 289
major 286
Construction and Technology, Schoo of 285
specia programs, 286
Construction Eng neer ng, emphasis 330

Consumer Service in Foods, option, 123
Continuing education, 470
in nursing, 410
Control and Dynamic Systems, emphasis, 355
Conventional Sources and Conversion, emphasis, 354
Cooperative Education 41
Correspondence courses, 469
USAFI, 89
Council for Design Excellence 195
Council of Emeritus Advisers, 219
Counseling Psychology, courses, 265
program, 264
Counseling service (students) 87
Counselor Education, courses, 264
program, 264
Courses, classification of, 43
repeating, 47
Course loads, 40
Crafts (art), courses, 376
Creative Writing, interdisciplinary master's program, 463
Credit enrolment, 45
community college, 33
requirements (graduation for seniors), 81
transfer of, 32
Cultural Geography, courses 139
Curriculum advisement, 39
Curriculum and Instruction, Division of, 252

D

Dance, Dept. of, 380
courses, 381
Dance History, courses, 381
DANTES, 89
Dean's Council of 100, 219
Dean's list, 48
Deca, parking, 22
Decision and Information Systems, Dept. of 228
courses, 229
Degree programs, list of, 19
Bachelors (see specific college or department)
Doctors, Education Specialist, Juris Doctor (also see specific college or department), 454
Masters (also see specific college or department), 454
Professional, 95
Second bachelors, 83
Degree requirements, 81
Dental, Pre, 95
Departments of Instruction, 6
Deposits, 21
Design, Dept. of, 205
courses, 210
Design courses, art, 376
Design Engineering, emphasis, 352, 355
Design Science, major, 205
Design/Technology, emphasis (Theatre), 395
Dietetics options, 122
Directory information, 44
Disabled applicants, 33
Disabled Student Resource Office, 86
Disqualification, 49
Distinction, graduation with, 83
admission with, 31
Divisions,
Curriculum and Instruction 252
Educational Leadership and Policy Studies 261
Psychology in Education, 264
Doctoral degrees, general list, 20
of Business, 223
of Education, 245
Juris Doctor, 400
of Musical Arts, 387
of Philosophy (see specific college or department)
of Public Administration, 435, 463
of Social Work, 446
Domicile affidavit, 28
Downtown Center, 13
Drama program (see Theatre), 394
Drawing (art) courses, 374
concentration, 373
Dropping courses, 46

E

E, mark of, 45
Early Childhood Education, courses, 253
program, 252
Economic Club of Phoenix, 219
Economics, Dept of, 116, 230
courses, 231
Education, College of, 244
academic standards, 249
admission, 246
advisement 246
Bachelor of Arts in Education degree, 245
certification requirements, 249
core courses, 251
degree requirements, 246
degrees, 245
Doctor of Education degree, 245
Doctor of Philosophy degree, 245
Education Specialist degree, 245
field experience 248
graduation requirements, 249
Master of Arts degree, 245
Master of Counseling degree, 245
Master of Education degree 245
organization 244
postbaccalaureate certification, 250
Professional Teacher Preparation Program 246
purpose 244
special programs, 250

student teaching, 249
teach'ng majors and m nors (see areas of specialization)
Education Spec alist degree, 20, 245
Educationa Adm n strat'on and Supervision, courses 262
program, 261
Educational Development, 86
Educat'ona Leadersh p and Pol cy Studies, Div sion of, 261
Educat ona Med a and Computers, courses, 252
program, 252
Educational Opportun ty Center 86
Educational Policy Studies, courses, 263
Educat ona Psychology, courses 265
program, 264
Educat ona Serv ces, 245
Educationa Techno ogy, courses, 267
program, 264
Elderhostel, 470
Electr cal and Computer Engineering, Dept. of, 340
courses, 342
E ectrica Engineer ng, major, 341
Electrica Power and Distr but on, emphasis, 354
Electron c communicat ons, emphasis, 304
Electron cs Eng neering Technology, 297
courses, 299
major, 297
E ectronic Materia s, emphasis 323
Electronic Systems, option, 297
Electron'cs and Computer Technology, Dept. of, 297
courses 299
Elementary Educat on, 252
courses, 253
Employment of students, 24, 85
Energy Conversion and Conservation, emphas s, 319
Energy Studies, 42
Energy Systems Engineering, major, 353
Eng neer ng, Schoo of, 312
degree requirements 314
Spec a and Interdiscip inary Stud es programs, 359
Engineering and Applied Sciences, College of, 268
adm ss on, 269
Bachelor of Science degree, 271
core courses, 316
degree requirements, 273
Doctora degree, 273
integrated BSE-MSE program, 272
Master of Sc ence degree, 272
Master of Technology, 273
pre profess ona program, 269
Eng neering nterd sc pl'nary Programs, major, 359
Engineer'ng Management, emphasis, 347
Engineering Mathematics, emphasis, 360
Engineer ng Mechanics, option, 360
Engineering Spec al Programs, major, 359
Eng'neering Techno ogy Core, courses, 292
Eng ish as a Second Language (ESL), 249
Eng ish, Dept. of, 117
courses, 118
prof c ency requirements, 30, 39, 81, 97
Eng sh Skills Program, see American Language and Cu ture, 34, 467
Enrol ment types of, changes in, 45
concurrent, 21, 40
high ranking high school sen ors, 31
ver f cation gu'de ines 41
Entrance requirements, 28
Env ronmenta Analysis and Programming, 201
courses, 202
Environmental Engineering, emphas s, 319, 330 354
Environmental Resources n Agricu ture, courses, 283
major, 280
Equal Employment Opportun ty and Aff rmat ve Act'on Statement, 570
Examinat ons, advanced placement and credit, 34
Exerc se and Sports Stud es option, 144
Exerc se Science, interd sc pl nary doctora program, 455, 463
Expenses and fees, 21
Expulsion, 49

F

Faculty, 472
Fam ly Interaction, opt on, 122
Fam ly Educat onal R ghts and Privacy Act of 1974, 44
Fami y Resources and Human Development, Dept of, 122
courses, 126
Family Studies, courses, 124
Family Studies Child Development, program 122
Fees 21, 40
F bers (art), courses, 376
concentrat on, 373
F m Stud es, 42
F nance Dept. of, 232
courses, 233
Financia a d 22, 85
Financia respons bil ties, 23
Fine Arts College of, 367
admiss on, 367
Bachelor s degrees, 368,
certificate of ment, 372
Doctora degrees, 369
graduation requirements, 370
Master's degrees, 368
Performer's Certificate, 372

Fitness Leadersh p, option, 145
Fisher es Management, opt on, 188
F ght nstruct on, ROTC, 104
F u d Mechanics emphasis, 360
Food and Nutr tion courses 125
Food Industry, option 279
Food Service Management opt on, 123
Fore gn language requ rement, 39 97 129
Fore gn Languages, Dept of, 127
(also see spec f c anguage)
courses, 129
for internat ona profess ons 128
Fore gn Serv ce, Pre 95
Fore gn students see nternat ona students)
Fore gn study 43, 467
Forens cs 90
Fraternities, 90
French courses 131
Freshmen, academ c adm ssion 28

G

Ga v n, Paul V. P ayhouse 14
Gammage Center for Performing Arts 14
Genera adm nistration officers 472
Genera Agribus ness, opt on, 279
Genera B oeng neering, emphasis 364
Genera Bu d ng, opt on 289
Genera Bus ness, Dept of, 235
courses, 235
Genera Deve opment, opt on 289
Genera Mathematics opt on 155
Genera M l tary course (GMC), ROTC, 103
Genera Sc ence, option 167
Genera Studies requ rements (a so see
spec f c co ege or department , 50
awareness areas, 52
core areas 50
l st of courses, 54
Geography, Dept of, 138
courses 139
Geo ogica Engineering program 366
Geo ogy Dept of, 142
courses n, 142
Geotechn ca Eng neer ng, emphas s 330
German, courses, 132
Geronto ogy Certif cate Program 41 463
Globa Awareness—Genera Studies, 50, 52
Good standing requirement 48
Grades—appeal procedure 571
average required 47
change of, 47
grad ng system, 45
ncomp ete, 45
point average, 46 82
removal of grades 47
w thdrawal 46
Graduate Co lege 454
degrees, 454
Graduate Nurse Organ zation, 411
Graduat on nformat on 83
Graphic Commun cations, courses 305
opt on 301
Graph c Des gn, courses 376
concentration, 373
Greek courses, 133
Guitar concentrat on music major, 386

H

Hayden L brary, 13
Hazards Stud es Off ce 436
Hea th Adm n strat on and Po cy,
Schoo of, 235
courses 236
Hea th and Phys ca Educat on Dept. of, 144
courses 145
Hea th h story requ rement 29, 81
Hea th Phys cs, 95, 101
Hea th Sc ence, courses 145
Health Service, Student 87
Heavy Construction opt on, 289
He copter Techno ogy option, 293
H gh school sen ors, specia enro ment 31
H gher Educat on, courses 263
program 261
H storica Awareness—Genera Stud es 50,
53
H story, Dept. of, 148
courses 149
H story and Ph' osophy of Sc ence courses,
166
Home Econom cs Education, courses, 126
Honors Co lege Un vers ty, 91
courses, 43, 92
Hous'ng and Urban Deve opment
courses 217
major 213
Hous ng facil t es 22 85
Howe Arch tecture L brary 14
Human Deve opment, courses, 415
spec a zat on 247
Human Nutr t on option, 122
Human Resource Management 238
Human t es and F ne Arts—Genera Stud es,
50, 51
Human t es Education courses, 259
Human t es program, 153
courses, 154
nterd'scip nary master s program 154
455, 463

I

, mark of 45
dentificat on cards, 22 85
mmun zation history, 29
ncomp ete, mark of 45
ndependent study, 43
nd an Education, courses, 256
ndustria and Management Systems
Engineering, Dept. of, 346
courses, 348

Industr al Des gn, major, 205
ndustr al Eng neering major 346
ndustr al Management courses, 305
opt on 303
Industria Technology Dept of, 301
courses, 305
major, 301
Industr a Technology Education,
courses, 307
opt on, 303
Information Systems, emphas s, 347
Instructiona telev s on services, 470
Instrumenta Mus c concentration 384
Insurance, courses 234
for foreign students, 34
students 88
nteract ve Computer Graph cs, courses, 306
opt on 304
Interco eg ate Ath et cs 90
Interdiscip nary Eng neering Studies, 359
Interdiscip inary Human t es Program, 153
Interd sc p inary stud es, 42
nterior Des gn major 205
ntermed a (art), courses, 374
concentrat on, 373
Internat ona Agr business, opt on, 279
Internat ona Business Studies, 236
courses 237
Internat ona Program courses, 43
nternational students, 29 34 455
nsurance 34
nternat'onal studies programs 43 467
Interpreters Theatre, 90
Is am c Studies, 42
Ital an, courses, 133

J

Japanese courses, 133
Jazz Performance, concentrat on, 386
Jew sh Studies, 101
Jobs, student, 85
Journalism and Te ecommunicat on,
Wa ter Cronk te School of, 426
courses, 427
Jur s Doctor degree, 400
Just ce Stud es, School of, 429
courses, 430
nterdiscip inary doctoral program 417,
455, 463

K

KAET-TV PBS affi iate 15
Kerr Cultural Center, 13
Key, course listing abbrev ations 44
course pref x abbrev ations, 580
Genera Studies abbrev ations 53
Keyboard concentrat'on, mus'c major, 385

L

Landscape Arch tecture, concentration, 214
courses, 217
Languages, foreign, 127
Language aboratory requ rement, 129
Late reg strat on, 21
Latin Amer can Studies, 102, 225
(Also see spec fic department for study
emphas s)
Latin, courses, 134
Law Co ege of, 400
academic standards and retent on 401
admiss on 400
courses, 403
Jur s Doctor degree, 400
Master of Laws degree, 402
Pre , 95, 226
Law Enforcement (see Publ c Safety),
emphas s, 182
Law L brary, 14
Lega residence, (fee status) 21, 24
Le sure Studies, Dept. of 433
courses, 434
Libera Arts, courses, 43 154
L bera Arts and Sc'ences, College of, 94
adm ss on to Col ege, 94
certif cate programs, 101
degree requirements, 97
departments, ist of, 96
nterdisc p nary studies, 101
pre educat on programs, 95
pre profess ona programs, 95
undec ded majors, 95
L brar'es Un vers ty, 13
Law, 402
Library Sc ence, courses, 258
L ght A rcraft Train ng ROTC, 104
L ngu st cs 42
L teracy and Critica Inquiry—Genera
Stud es, 50
Loads, course, 40
Loan funds, 23 24, 85
Lyr c Opera Theatre, 371

M

Majors offered,
bacca aureate degrees, 19
graduate degrees 20
(see spec'fic co ege or department)
Management, Dept. of 237
courses, 238
Management Systems, option 237
Manufacturing, emphasis, 304
Manufacturing and Materia s Processing,
emphasis 323
Manufactur'ng Engineer ng emphas s, 355
program, 348
Manufacturing Eng neer ng Technology,
option, 309

Manufactur ng Techno ogy, Dept. of, 308
courses, 310
Market ng Dept of, 239
courses, 240
Mass Commun cation, courses, 427
Master s degrees—genera st, 20
of Accountancy 223
of Arch tecture, 192
of Arts (see spec f c subject a so), 454
of Arts, Education, 245
of Bus ness Adm n strat on, 222
of Counse ng, 245
of Educat on, 245
of Env ronmenta P anning 213
of F ne Arts, 368
of Hea th Serv ces Adm n strat on 222
of Laws, 402
of Mass Commun cation, 427
of Mus c, 368
of Natural Sc ence, 111
of Pub ic Adm nistrat on, 435
of Sc ence (see spec f c subject also) 454
of Sc ence in Eng neering, 273
of Soc al Work, 442 443
of Taxation, 223
of Techno ogy, 273
Mastery 47
Materials emphas s, 319
Materials Science and Engineering
courses, 328
major 323
Mathemat cs Dept. of, 155
courses 156
exam nation for prof c ency, 39
Mathemat cs Educat on, courses, 158
Mechanica and Aerospace Eng neer ng,
Dept. of, 351
courses 355
Mechanica Eng neering, major, 354
Mechanica Engineering Techno ogy, opt on
309
Mechanica Metal urgy, emphas s, 323
Med ca , Pre , 95 321 363
Memoria Un on, 88
Meta s (art) courses, 376
concentrat on 373
Meteoro ogy—Climatology, emphas s 138
Mexican-Amer can Stud es emphasis, 128
Bus ness Adm'nistration emphas s, 226
M'crob ology, Dept of 160
courses, 160
M croe ectronics opt on 297
M'croe ectronics Manufactur ng Engineer ng
option, 361
M croe ectron cs Eng neer ng Techno ogy
courses, 301
M d term grades, 47
M tary Construct on, opt on 163 289
M tary Sc ence Dept of 162
courses, 164
M tary tra n ng—off cers 89
M n ster al, Pre , 95
Underrepresented student recru tment 89
Morr son Inst tute for Pub c Po cy, 436
Multicu tura teach ng, 250
Mult cu tura Educat on courses 255
program, 252
Mus c Schoo of 383
courses, 387
Music Education courses, 388
Music History courses 389
Mus c Library, 14
Mus c Performance courses 391
Mus c Theatre, concentrat on 386
Mus c Therapy, concentration 387
Mus c Theory and Compos t on,
concentrat on 387
courses, 390
Mus cal act v t es 90

N

Natura Resource Management
concentration 281
Natura Sc ences Genera Studies, 50, 52
Nob e Sc ence and Eng neering L'brary, 14
Noncred t cont nu ng educat on, 470
Nondegree status 32
Nonresident adm ss on 28 32
tu t on 21
Northl ght Ga ery 15
Nuc ear Eng neering, emphas s 354
Nuc ear Sciences, courses, 363
program, 362
Numeracy—Genera Stud es 50 51
Nurs ng, Co ege of 406
adm ss'on, 406
Bache or of Sc ence in Nurs ng degree
407
core, 408
courses 412
hea th requirements, 406, 409
Master of Sc ence degree, 407
Nurs ng Co ege Council 411
Nutr t on option, 122

O

Occupat ona Therapy, Pre , 95
Off-Campus Academ c Serv ces, 469
Omn bus courses, 43
On Wheels Educat ona Tours, 471
Operations Management, emphas s 302
Operations Production Management,
courses 241
major, 241
Optometry, Pre , 95
Orchestra concentration, mus c major, 385
Order of the Co f, 402
Organ zation Un versity 6, 11
Or entation, new students, 28
Osteopathy Pre , 95
Outdoor Recreation, emphas s 433
Over oads 40

P

Paint ng art), courses, 374
concentrat on, 373
Park ng deca s, 22
Pass Fa , 45 also see each co ege)
Performance concentrations major, 384
Performer s Cert f cate, 372
Pharmacy Pre , 95
Ph osophy, Dept. of, 164
courses, 165
Doctor of see f elds of spec al zation
Photographic Stud es, emphasis, 372
Photography, courses, 374
Phys cal Educat on courses, 145
curr cu a 144
Phys ca Geography, courses, 140
Phys ca Meta urgy emphas's, 323
Phys ca Sc ence courses, 171
Physica Therapy, Pre , 95
Physics, Dept. of 167
courses, 168
P ano concentrat'on music major 386
P acement, advanced, 34
English, fore gn anguage mathematics, examinat ons, 39
P anning Dept of, 212
courses, 216
Pod atry, Pre , 95
Po ce Sc ence (see Pub c Safety
Po cy and Records 45
Po t cal Sc ence, Dept. of, 171
courses, 172
Po ymers and Compos tes, emphas s 323
Portuguese, courses 134
Pre-Law program, 95, 226
Pre Med'ca , 95
Eng neer ng, emphas s 319, 321
Eng neer ng, program, 363
veterinary, 280
Pre professiona programs, 95
Pr ntmaking (art), courses, 375
concentration, 373
Probat'on (a so see individual co ege), 49
Product on Systems emphas s, 347
Profess ona Off cer Course (POC), ROTC, 103
Profess'ona Teacher Preparation Program, 246
Prof c ency exam nations, 39
Programs, degree, 19
Program of study requirement 81
Propulsion, emphasis, 352
Pro sem nar, 43
Prov s ona status, 33
Psycho ogy, Counse ing, courses, 265
program, 264
Psycho ogy, Dept of, 175
courses, 176
Psycho ogy n Education, Division of, 264
Publ c Adm n strat on, nterdisc p nary doctora program 435
Publ c Affairs, Schoo of 435
courses 436
Publ c Programs Co lege of, 416
adm ss on 416
degrees, 417
organ zat on 416
Pub ic Safety emphas s, 182
Purchas ng Transportat on, Operat'ons
Dept. of 241
courses, 241
Purchas'ng Mater als Management
courses, 242
major 241

Q

Qua ty Contro Re iab ty, emphas s, 347
Quant tat ve Bus ness Ana ys s,
cert f cate, 228
courses 229

R

Rad o television courses, 428
Range Eco ogy, opt on, 281
Reading and L'brary Science, 252
courses, 257
Read ng c n c 245
Readmiss on 81
Rea Estate, courses 234
major 233
Records student 21 44
access 44
ho d, 47
Recreation, major, 433
Refund of fees, 22
Reg strar 85
Reg strat on, 40
fees, 21, 40
ate, 21
per od of, 8
Re nstatement 49
Religious act v t es, 90
Religious Stud es, Dept. of, 179
courses, 179
Remedia enrollment, 45
Repet t on of courses, 47
Requ red subjects (Genera Studies) 50
Research and service agenc'es, 566
Research course numbers, 43
Research Park, 13
Reserve Off cers Tra ning Corps, 103 162
Res dence ha s reservat ons, 85
Res dency classif cat on, 24, 28
Res dent cred t requ rements, 82
Retention, requ rements for, 48
Retention standards (see specific co ege or schoo
Robot c and Automat on Engineering, option 309
Room and board budget for, 25
Room and board reservat on occupancy, 85

ROTC program 103 162
Russian and East European Stud es, 102
Russ an courses, 135

S

Safety Education, courses, 259
Sa es Marketing emphas s, 302
SAT, 28
Sat sfactory grade, 45
Schedule of Classes, 40
Scho arsh ps fe owsh ps and loans 23 24
Schools 6
of Agribus ness and Env'ronmenta Resources, 277
of Arch tecture, 196
of Art, 372
of Construct on and Techno ogy 285
of Eng neer ng, 312
of Hea th Adm n strat on and Pol'cy 235
of Journa ism and Telecommunicat on, 426
of Just ce Studies, 429
of Mus c, 383
of Public Affairs, 435
of Soc al Work, 439
Sc ence Master of (see fie d of spec a za t on
Sc ence and Eng neer ng of Mater a s nterd sc p nary doctora program 455, 464
courses, 464
Scu pture (art , courses 375
concentrat on 373
Second bache or s degree, 83
Secondary Education courses, 258
program, 252
Sem conductor Processing emphasis, 319
Serv ce agenc es, 566
S gma Theta Tau, 411
S mu at on, Control and Des gn, emphasis, 319
Socia and Behav ora Sc ences—General Stud es, 50, 52
Soc a Work Schoo of, 439
adm ss on cr ter a 440
Bache or of Soc a Work 439
courses, 448
Doctor of Socia Work, 442
Master of Soc a Work 441
Soc ety, Va ues and Technology courses 317
Soc ology Dept. of 181
courses 182
So d Mechan cs, emphas s 360
Soror t es 90
Spanish, courses 136
Specia Education, courses, 259
program 252
Specia educat on eva uat on c in c, 245
Special fees 23
Spec a programs,
advanced p acement and cred t, 34
nterd sc p nary stud es 42
Spec a Stud o Art, courses, 377
Spec a top cs courses 43
Spec a ty Construct on, opt on, 289
Speech and Hear ng Sc ence Dept. of, 184
courses, 184
Sports 90
Stab ity and Contro emphas s 352
Standards academ c 48
undergraduate adm ss on 29
Un vers ty Standards Comm ttee 82
Statistics and Probab ty courses, 159
opt on 155
Stress Analys s Failure Prevent on and Materia s, emphas s 355
Structura Engineer ng emphas s 330
Student Appea Procedure on Grades 571
Student budgets 25
conduct 17
emp oyment 24 85
government 89
Health Serv ce, 87
identification, 85
membersh p n un vers ty 17
organ zations 89
records 44
Student L fe Off ce of 86
Student Nurses Assoc at on 411
Student Publicat ons 88
Hayden s Ferry Rev ew 88
State Press, 88
Student Handbook and Calendar, 88
Sun Dev Spark Yearbook 88
Student Serv ces,21 85
Student teach ng 249
Studio Art courses, 373
emphas s, 372
Subject exam nat ons cred t, 34
Summer Sess ons, 465
Sun C t es fac ty, 470
Sundome Center for the Perform ng Arts, 14
Suspens on expulsion 49
Systems Eng neering program, 365

T

Teaching cert ficate applicat on 83
Technica Teacher Education emphas s 304
Techno ogy, Departments of, 291
core courses, 292
core requ rements, 291
Techno ogy, emphas s 302
Te ecommun cat on, courses 428
Te ecommun cat ons, opt on 297
Te ev sed courses 470
Test of Engl sh as a Fore gn Language TOEFL , 29

Tests apt tude (ACT 28
CLEP, subject PEP comprehens ve, prof'c ency, 34
SAT 28
Text es and Cloth ng, courses, 126
opt on 123
Theatre Dept of, 394
courses, 396
Theatre Educat on option, 396
Therapeut c Recreation, emphasis, 433
Thermosciences, emphasis, 355
Tour sm and Commerc al Recreation emphasis, 433
Transcripts 21 28, 47
Transfer of cred t, 32
Translat'on Cert f cate Program n Foreign Languages 128
Transportat on, courses, 242
major, 241
Transportat on Engineer ng, emphas's, 330
Trave ng Scholar Programs, 41
Tu t on, 21

U

Unc ass f ed students, 32
Undec ded or undeclared majors, 95
Undergraduate adm ss on, 28
Un t of cred t defined 45
requ red for degrees 81
Univers ty
academ c organ zation 6
accreditat on, 12
Archives, 14
ca endar, 7
campus 13
counsel ng serv ce, 87
cu tural arts resources, 14
Dance Laborary 14
h story 11
Honors Co ege, 91
ibrar es 13
loan funds 23, 24, 85
Media Systems, 14
objectives, 11
officers, 472
res dent faculty 473
theatre 90
Upward Bound Program 86
Urban P anning courses 216
major, 213
Urban Recreation emphasis 434
Urban Studies, emphas s, 138
U.S. Armed Forces nst'tute correspondence courses, 89

V

Veterans Affa rs Off ce, 89
deferred payment, 22
except on, 33
Upward Bound 86
Veterinary, Pre , 280
V sua Arts Research Studios, 370
V sua Commun cations emphas s, 304
Voice concentration, music major, 385

W

W mark of, 45
Wa ver of degree requirement, 82
Water Resources Eng neering, emphasis, 330
We d ng Engineer ng Techno ogy, opt on, 309
West Campus 13, 451
Western nterstate Comm ss on for H gher Educat on, 83
W dlife Bio ogy major 188
W dlife Management option 188
W thdrawa from un vers ty, 46
restricted unrestr cted, 46
Women's Stud es, 42, 102 186
courses, 187
Wood (art), courses, 376
emphas s, 373
Wood Ga lery 15

Y

Youth Agency Administrat on 434

Z

Zoo ogy, Dept. of, 188
courses 189

Credits

Cover

Photo Grady Gammage by Jeff Stanton
ASU s ha mark Grady Gammage Memor a Aud tor um ce ebrates ts 25th ann versary th s year The wor d renown venue, des gned by Frank L oyd Wr ght p ays host to the wor d s ce ebnt es.

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