

Minors, Certificates, and Interdisciplinary Studies

All students have opportunities to broaden and enrich their study beyond the scope of their majors. Many of these opportunities take the form of minors and certificates. Also, within the framework of majors, minors, and certificates, students have opportunities for study in more than one academic discipline.

As an individually designed degree, the specifics of each student's program are unique. As an easy way to illustrate how unique programs can be constructed, the following two examples use existing minors in Business, Psychology, and Communication to create two alternative programs. Numerous unique programs (e.g., design and physics, music and history) may be created.

Interdisciplinary Studies

Division of Undergraduate Academic Services
602/965-3097

INTERDISCIPLINARY STUDIES—B.I.S.

The Bachelor of Interdisciplinary Studies (B.I.S.) is a university-wide degree that makes it possible to combine two areas of interest. Each degree includes two emphases with a core set of interdisciplinary studies courses. To develop a degree program, students should meet with an advisor through the University Academic Advising Center at 602/965-4464. The degree is designed to be extremely flexible; hence a wide variety of possibilities are available. The basic requirements are as follows:

ENG 101, 102	First-Year Composition	6
UNI 301	Foundations of Interdisciplinary Studies	3
UNI 302	Interdisciplinary Studies	3
UNI 401	Senior Seminar: Interdisciplinary Studies	3
UNI 402	Senior Interdisciplinary Project	3
	Approved electives	22-33
	Interdisciplinary core	12
	General Studies (excluding L1 and L2) ...	29
	Two areas of emphasis	40-51
	Total	120

The B.I.S. program is attractive to transfer students who have not yet selected a major and also to nontraditional students seeking a degree through extended education. Additionally, with the changing workplace environment that emphasizes versatility and problem solving skills, this program should enhance opportunities for students.

Example I Business and Psychology Focused on Management and Organizations

Business		
ACC 230	Uses of Accounting Information I	3
ACC 240	Uses of Accounting Information II	3
ACC 394	ST: Personal Income Planning	3
ECN 394	ST: Managerial Economics ...	3
LES 394	ST: Consumer Perspective of Business Law	3
MGT 394	ST: Introduction to Management	3
MKT 394	ST: Marketing and Selling ...	3
Psychology		
PGS 101	Introduction to Psychology <i>SB</i>	3
PGS 350	Social Psychology <i>SB</i>	3
PGS 430	Industrial Psychology	3
PGS 453	Organizational Behavior	3
PSY 230	Introduction to Statistics <i>N2</i> ..	3
PSY 290	Research Methods	4
PSY 320	Learning and Motivation	3

Example II Business and Communication Focused on International Business, Particularly Marketing and Advertising

Business		
ACC 230	Uses of Accounting Information I	3
ECN 111	Macroeconomic Principles <i>SB</i>	3
ECN 306	Survey of International Economics <i>SB</i>	3
ECN 394	ST: Managerial Economics ...	3
MGT 394	ST: Introduction to Management	3
MKT 382	Advertising and Marketing Communication	3
MKT 394	ST: Marketing and Selling ...	3
Communication		
COM 100	Introduction to Human Communication <i>SB</i>	3
COM 207	Introduction to Communication Inquiry	3
COM 259	Communication in Business and the Professions	3
COM 263	Elements of Intercultural Communication <i>SB, C/G</i>	3

COM 308 Empirical Research Methods in Communication *L2*..... 3
 COM 317 Nonverbal Communication ...3
 COM 371 Language, Culture, and Communication *SB, C/G* 3
 COM 463 Intercultural Communication Theory and Research *SB, G...* 3

MINORS

A minor is an approved, coherent concentration of academic study in a single discipline, involving substantially fewer hours of credit than the corresponding major. Several ASU colleges offer undergraduate minors in addition to majors. For more information about specific minors offered at ASU, refer to the individual college and department descriptions in this catalog.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if (1) the college/department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and (2) the college (and, in certain colleges, the department) of the student’s major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Inappropriate combinations include (but would not be limited to) ones in which an excessive number of courses in the minor are simultaneously being used to fulfill requirements of the student’s major.

Minors	Pages
College of Business	
Business (for nonbusiness majors)	223
College of Fine Arts	
Dance	337
Music	339
Theatre	353
College of Liberal Arts and Sciences	
Anthropology	114
Asian Languages (Chinese/Japanese)	153
Astronomy	175

Minors	Pages
Chemistry and Biochemistry	123
Economics for students planning a career in law	128
English	129
Exercise Science/Physical Education	133
Family Resources and Human Development	136
French	153
General Economics	128
Geology	143
German	153
History	145
Italian	153
Mathematics	164
Microbiology	168
Philosophy	173
Physics	175
Political Science	180
Psychology	183
Religious Studies	186
Russian	153
Sociology	188
Spanish	153
Women’s Studies	193
Zoology	195
College of Public Programs	
Communication	375
Mass Communication	380
Interdisciplinary	
Gerontology	96

CONCURRENT AND DUAL DEGREES

Law and graduate students have the opportunity to pursue more than one degree at the same time as part of an organized program. For more information, refer to the “Concurrent and Dual Degrees” table, page 97.

CERTIFICATES

Students may pursue some certificate programs along with a major and other certificate programs independently. For more information, refer to the pages indicated in the “Certificates” table.

Certificate	Pages
Accountancy (ASU West)	507
American Humanics, Certificate in Youth Agency Administration	386
American Indian Justice Studies Certificate	383
Asian Studies	110–111
East Asian Studies	111
Entrepreneurship and Small Business Management	228

Certificate	Pages
Financial Management and Control*	224–225
Gerontology*	405
Hazardous Materials and Waste Management*	437–438
Health Physics	111
International Business Studies	228
Investment Valuation and Management*	224
Jewish Studies	111
Latin American Studies	111
Museum Studies*	Contact the Department of Anthropology.
Nonprofit Management Certificate	400
Post-Master’s Nurse Practitioner Certificate Program	400
Quality Analysis	228
Russian and East European Studies	111
Scholarly Publishing*	149
Southeast Asian Studies	112
Translation	112
Treasury Management*	225
Women’s Studies (ASU Main and ASU West)	112

*For more information, see the *Graduate Catalog*.

INTERDISCIPLINARY STUDIES

Adult Development and Aging. The Adult Development and Aging Program (ADAP) brings together faculty from several disciplines to teach courses related to adult development and aging, to collaborate on gerontological research, and to participate in projects of service to older adults.

ADAP offers a certificate at the postbaccalaureate level and an undergraduate minor in Gerontology. The certificate consists of 24 semester hours—12 hours of required and 12 hours of elective course work. The minor consists of 18 semester hours—six hours of required and 12 hours of elective course work. Courses related to aging are taught throughout the university by faculty who are active contributors to research, theory, and public policy and practice. In addition, ADAP provides students with opportunities to gain practical experience in working with elderly people. A Practicum in Gerontology, held at the Veterans Administration Hospital, is available to students who have completed some gerontology course work. ADAP also helps students find rewarding internships in community programs for older

adults. For more information, refer to the current *Student Handbook in Gerontology* or call 602/965-3225.

Asian Studies. See pages 110-111 for information about the Certificate in Asian Studies.

Energy Studies. An expanding instructional and research involvement in energy matters exists through the following three curricular paths:

1. general studies, which emphasize energy as an elective beyond the scope of a chosen major (for more information, contact M.J. Pasqualetti, 602/965-4548);
2. specific studies in the College of Architecture and Environmental Design, for those pursuing the Master of Architecture degree, the Master of Science degree in Building Design, and the Master of Environmental Planning degree; and
3. specific studies in the College of Engineering and Applied Sciences, usually for those seeking a degree in a branch of engineering.

Environmental Studies. The Center for Environmental Studies was established to initiate, coordinate, and encourage research, community service, and academic programs. The center does not formally offer courses or a degree program. It sponsors special courses, conferences, and workshops on environmental topics. Drawing from faculty and students throughout the university, the center participates in research and community programs relating to environmental problem areas. For more information, call 602/965-2975.

Film Studies. The Film Studies Program exists not only to provide information and experience, but also to serve as a means of creative expression for the student and as a useful subject and tool in teaching. The program is not designed to produce professional filmmakers. However, it may provide practical preparation for students desiring further film study in other institutions.

Inquiries about this program should be directed to the Film Studies coordinator, Jay Boyer, at 602/965-7644.

Islamic Studies. The art, history, geography, and religion of the Islamic world are the subjects of several courses offered by departments in the College of Fine Arts and the College of Liberal Arts and Sciences. For information, call Dr. Richard Martin, Department of Religious Studies, at 602/965-7145.

Linguistics. Linguistics concentrations are offered in master's degree programs in the Departments of Anthropology, English, and Languages and Literatures through the Graduate College. Numerous linguistics courses are offered in these and other departments. For information, call Dr. Dawn Bates of the University Committee on Linguistics, at 602/965-3168.

Medieval and Renaissance Studies. Significant opportunities for the study of medieval and Renaissance culture exist at ASU. Hayden Library has an extensive microfilm collection and many rare books in medieval and Renaissance studies.

The Arizona Center for Medieval and Renaissance Studies (ACMRS) is housed in the College of Liberal Arts

Concurrent and Dual Degrees Offered at ASU Main

Concurrent or Dual Degrees	Administered by	Pages
Juris Doctor/Master of Science in Economics*	ASU	358
Juris Doctor/Master of Health Services Administration	ASU	239, 358
Juris Doctor/Doctor of Philosophy in Justice Studies	ASU	358
Master of Business Administration/Juris Doctor	ASU	358
Master of Business Administration/Master of Architecture	ASU	202
Master of Business Administration/Master of Health Services Administration	ASU	239
Master of Business Administration/Master of International Management	ASU/American Graduate School of International Management, Thunderbird	See the <i>Graduate Catalog</i> .
Master of Business Administration/Master of International Management	ASU/Groupe Ecole Supérieure de Commerce Toulouse	See the <i>Graduate Catalog</i> .
Master of Science in Agribusiness/Master of International Management	ASU/American Graduate School of International Management, Thunderbird	See the <i>Graduate Catalog</i> .
Master of Science in Justice Studies/Master of Arts in Anthropology	ASU	382
Master of Science in Nursing/Master of Health Services Administration	ASU	239

*Applications for this program are not being accepted at this time.

and Sciences. The center is a research unit composed of scholars from Arizona State University, Northern Arizona University, and the University of Arizona. ACMRS enriches departmental offerings in medieval and Renaissance studies by sponsoring one visiting professor for one semester each year. ACMRS also sponsors a lecture series each semester that covers a variety of topics.

ACMRS works in close conjunction with the following committees in establishing program scheduling: Committee on Medieval Studies, Robert Bjork, chair; Committee on Renaissance Studies, Deborah Losse, chair; Committee on Textual Studies, Jean Brink, chair; Committee on the Survival of the Classical Tradition, Benjamin Victor, chair. In 1993 ACMRS established a local faculty advisory board composed of six ASU faculty members and faculty members from the University of Arizona, Northern Arizona University, and the Institute for Advanced Study at Princeton University.

For more information, call 602/965-5900 or write

DIRECTOR, ACMRS
ARIZONA STATE UNIVERSITY
PO Box 872301
TEMPE AZ 85287-2301

Scholars in ACMRS represent a variety of disciplines, including art, history, languages, literature, music, philosophy, religion, and science.

Southeast Asian Studies. See page 112 for information about the Certificate in Southeast Asian Studies.

Women's Studies. See page 112 for information about the Certificate in Women's Studies.

MILITARY OFFICER TRAINING

U.S. Air Force and U.S. Army ROTC units are active on the ASU campus. See "Department of Aerospace Studies" and "Department of Military Science," pages 113-114 and 170-172, for more information.

Defense Activity for Non-Traditional Education Support (DANTES). ASU is a participating institution with DANTES and is listed in the DANTES Directory of Independent Study. DANTES is an executive agency of the Department of Defense that provides educational support for the voluntary education programs of all services.

The primary missions of DANTES are (1) to provide nationally recognized examination and certification programs as part of the voluntary education programs of military services and (2) to facilitate the availability of high-quality independent institutions for service men and women.

WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION (WICHE)

For Arizona residents who wish to attend professional schools of dentistry, veterinary medicine, occupational therapy, optometry, and osteopathy in one of the other western states, Arizona has joined with the other western states

to create the Western Interstate Commission for Higher Education through whose effort and agency qualified Arizona residents may attend schools in these other states at essentially the same expense to the students as to residents of the state in which the school is located. Students must have maintained at least average grades in their preprofessional work and must have been legal residents of Arizona for at least the last five years. Recipients are required to return to Arizona to practice or to repay a portion of the funds expended in their behalf.

For applications and more information contact Dr. Brice W. Corder, College of Liberal Arts and Sciences, 602/965-2365.