

General Studies

All undergraduate students must fulfill the General Studies requirement.

General Studies is based on four principles. The first is the distinction between skill and knowledge—the instrumental skills by means of which knowledge is acquired and communicated and the knowledge itself in the sense of fact, information, or conclusions. Second is the distinction between skill in the use of language and skill in the use of figures—literacy and numeracy. Third is the conventional division of knowledge into the humanities, the social sciences, and the natural sciences. And fourth is the concept of the university graduate as a person who is not only prepared for advanced study or a particular profession, but also is amply prepared to lead a constructive and satisfying personal, social, and civic or political life. This principle implies a commonality of knowledge (that is, knowledge shared with others), skill in learning and in communicating with others, and a diversity of learning that frees the person to enjoy the diversity of human potentiality. In addition to the four principles, the program recognizes the value of sustained experience in the acquisition of a skill or the mastery of a body of knowledge, the increasing importance of literacy and numeracy skills because of the rapid growth of modern knowledge, the utility of historical perspective, and the internationalization of modern life.

The General Studies Program consists of *five core areas* and *three awareness areas*. The core areas are as follows:

1. literacy and critical inquiry (L1 and L2);
2. numeracy (N1, N2, N3);
3. humanities and fine arts (HU);
4. social and behavioral sciences (SB); and
5. natural sciences (S1 and S2).

These areas provide training in basic academic skills and assure that students are introduced to the traditional branches of knowledge.

The *three awareness areas* are as follows:

1. cultural diversity in the United States (C);
2. global awareness (G); and
3. historical awareness (H).

These areas contribute to the development of an international perspective, foster an understanding of current human events by study of the past, and promote appreciation of cultural diversity within the contemporary United States.

The courses approved by the ASU Main General Studies Council (for ASU Main and ASU East) for meeting the General Studies requirement are noted in the *General Catalog* following this section, in the course descriptions, and in the *Schedule of Classes* each academic term. The courses approved by the ASU West General Studies Council can be found in the *ASU West Catalog* and in the *Schedule of Classes*.

General Studies Requirement

All students enrolled in a baccalaureate degree program must successfully complete a minimum of 35 semester hours of approved General Studies courses. The required distribution of General Studies courses among the core areas and awareness areas is described below. It is important to note that 35 semester hours must be taken in the five core areas. Students also must take courses that satisfy each of the three awareness areas. Note, however, that the awareness area requirement does not mean that the student must exceed 35 hours. Many courses concurrently satisfy a core requirement and an awareness area requirement.

The following conditions apply in taking courses to satisfy the General Studies requirement:

1. a course may satisfy a core and an awareness area requirement concurrently;
2. a course may not be used to concurrently satisfy requirements in two core areas, even if it is approved for more than one core area; and
3. a course may be used to concurrently satisfy requirements in two awareness areas, if it is approved for those areas.

There is no limit to the number of advanced placement (AP) or CLEP credits that can be used to meet the General Studies requirement (see pages 66–67). However, the natural sciences (S1 and S2) and literacy and critical inquiry (L1 and L2) portions of the Gen-

eral Studies requirement are not satisfied by CLEP.

First-Year Composition is a university requirement of all students that is separate from and in addition to General Studies.

Transfer Credit

Students transferring from Arizona community colleges with the Transfer General Education Core Curriculum (TGECC) have met all lower-division portions of the General Studies requirement. Students transferring from other approved institutions of higher education ordinarily are given General Studies credit, hour for hour, for work done in those institutions insofar as it is equivalent in content to General Studies courses at this university.

College and School Requirements

Colleges and schools may require their students to take specific courses to satisfy the General Studies requirement. In some instances, the number of semester hours exceeds the minimum 35 semester hours because of the required college or school courses.

Also, colleges and schools can define requirements that go beyond the General Studies requirement and require additional courses. Those colleges and schools can designate specific General Studies-approved courses that students must take to satisfy college or school requirements.

Students are encouraged to consult with an academic advisor in planning a program to ensure that it meets the various requirements. A well-planned program may enable a student to concurrently satisfy requirements at the university, college or school, and department levels.

CORE AREAS

Literacy and Critical Inquiry (L1 and L2)

Literacy is here defined broadly as communicative competence in written and oral discourse; critical inquiry is defined as the gathering, interpretation, and evaluation of evidence. Building on the proficiency attained in traditional freshman composition courses, the literacy and critical inquiry requirements help students sustain and extend their ability to reason critically and communicate clearly through language. Thus, the literacy and critical inquiry requirement stipulates a sequence of

two courses beyond First-Year Composition.

Requirement. Six semester hours are required. One L1 course is required, typically at the sophomore level, in which students learn how to gather, interpret, and evaluate evidence and to express their findings in writing or speech. This course includes a series of formal, graded, and written or spoken assignments. The L1 course is preferably taken after completion of the First-Year Composition requirement. Completion of one semester of First-Year Composition is required.

One L2 upper-division course is required with advanced subject-matter and rigorous critical-writing assignments. The course should be taken in the student's major discipline and may also count toward the major.

Numeracy (N1, N2, and N3)

The numeracy requirement is intended to ensure that students have skill in basic mathematics, can use mathematical analysis in their chosen fields, and can understand how computers can make mathematical analysis more powerful and efficient. Numeracy thus has three components. First, the acquisition of essential skill in basic mathematics requires the student to complete a course in college algebra or to demonstrate a higher level of skill by completing a course for which college algebra is a prerequisite. The second component, the real-world application of mathematical reasoning, requires the student to take a course in the use of quantitative analysis to solve problems of substance. Many students may use courses in statistics to satisfy this requirement. The third component of numeracy requires use of the computer to assist in serious analytical work. Computers are widely used to study the implications of social decisions or to model physical systems, and computer modeling courses are available in many major programs.

Requirement. Six semester hours are required. *One course must be selected from the mathematics category; a second course must be selected from either of the remaining two categories listed below.* However, if competence is demonstrated in college algebra by passing an exemption examination, six semester hours are still required, and one course in the mathematics category

that has College Algebra as a prerequisite may be selected, or all six semester hours may be taken in one or both of the two remaining categories.

1. *Mathematics.* A course in college mathematics (i.e., MAT 114), college algebra (i.e., MAT 117), precalculus (i.e., MAT 170), or any other mathematics course for which college algebra is a prerequisite fits this category.
2. *Statistics and Quantitative Reasoning.* Courses that emphasize the use of statistics or other mathematical methods in the interpretation of data and in describing and understanding quantitative relationships fit this category. The course selected can be taken in the student's major discipline and can count toward the major's semester-hour requirements.
3. *Computer Applications.* Courses that involve the use of computer programming languages or software in the development of skills in analytical thinking fit this category. The course selected can be taken in the student's major discipline and can count toward the major's semester-hour requirements.

Humanities and Fine Arts (HU)

The humanities are concerned with questions of human existence and the universality of human life, questions of meaning and the nature of thinking and knowing, and questions of moral, aesthetic, and other human values. The humanities investigate these questions in both the present and the past and make use of philosophy, foreign languages, linguistics and communication studies, religious studies, literature, and fine arts. The fine arts constitute the artist's creative deliberation about reality, meaning, knowledge, and values. The humanities and fine arts core area enables students to broaden and deepen their consideration of basic human values and their interpretation of the experiences of human beings.

Requirement. See "Combined Requirement" on page 86.

Social and Behavioral Sciences (SB)

The social and behavioral sciences provide scientific methods of inquiry and empirical knowledge about human behavior, both within society and individually. The forms of study may be

cultural, economic, geographic, historical, linguistic, political, psychological, or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political, and social distance.

Combined Requirement. *A total of 15 semester hours must be completed in the following two core areas: (1) social and behavioral sciences and (2) humanities and fine arts. Four conditions must be satisfied:*

1. A minimum of six semester hours must be taken in one core area and nine hours in the other core area.
2. At least one course within the 15 semester hours must be at the upper-division level.
3. Two courses from the same department in either core area are required.
4. Courses from at least two departments in either core area must be taken.

Natural Sciences (S1 and S2)

Courses in the natural sciences core area help the student to develop an appreciation of the scope and limitations of scientific capability to contribute to the quality of society. Knowledge of methods of scientific inquiry and mastery of basic scientific principles and concepts, in particular those that relate to matter and energy in living and non-living systems, are stressed. Firsthand exposure to scientific phenomena in the laboratory is important in developing and understanding the concepts, principles, and vocabulary of science. At least one of the two laboratory courses required in the natural sciences core area must include an introduction to the fundamental behavior of matter and energy in physical or biological systems.

Requirement. Eight semester hours are required. *One laboratory course in the natural sciences* that includes a *substantial* introduction to the fundamental behavior of matter and energy in physical or biological systems is required.

A second laboratory course in the natural sciences selected, for example, from anthropology, astronomy, biology, chemistry, experimental psychology, geology, microbiology, physical anthropology, physical geography, physics, or plant biology is required.

AWARENESS AREAS

Students must complete courses that satisfy each of the three awareness areas. Courses that are listed for a core and an awareness area may satisfy both requirements concurrently, as may courses that are listed for more than one awareness area.

Cultural Diversity in the United States (C)

The contemporary “culture” of the United States involves the complex interplay of many different cultures that exist side by side in various states of harmony and conflict. The U.S. history involves the experiences not only of different groups of European immigrants and their descendants, but also of diverse groups of American Indians, Hispanic Americans, African Americans, and Asian Americans—all of whom played significant roles in the development of contemporary culture and together shape the future of the United States. At the same time, the recognition that gender, class, and religious differences cut across all distinctions of race and ethnicity offers an even richer variety of perspectives from which to view oneself. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present, and future and can help to achieve greater mutual understanding and respect.

The objective of the cultural diversity requirement is to promote awareness and appreciation of cultural diversity within the contemporary United States. This is accomplished through the study of the cultural, social, or scientific contributions of women and minority groups, examination of their experiences in the United States, or exploration of successful or unsuccessful interactions between and among cultural groups.

Global Awareness (G)

Human organizations and relationships have evolved from being family and village centered to the modern global interdependence that is apparent in many disciplines—for example, contemporary art, business, engineering, music, and the natural and social sciences. Many serious local and national problems are world issues and require solutions that exhibit mutuality and reciprocity. These problems occur in a wide variety of activities, such as food

supply, ecology, health care delivery, language planning, information exchange, economic and social developments, law, technology transfer, and even philosophy and the arts. The global awareness area recognizes the need for an understanding of the values, elements, and social processes of cultures other than the culture of the United States. The global awareness area includes courses that recognize the nature of other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

Courses that meet the requirement in global awareness are of one or more of the following types:

1. area studies that are concerned with an examination of culture-specific elements of a region of the world;
2. the study of a non-English language;
3. studies of international relationships, particularly those in which cultural change is facilitated by such factors as social and economic development, education, and the transfer of technology; and
4. studies of cultural interrelationships of global scope such as the global interdependence produced by problems of world ecology.

Historical Awareness (H)

The historical awareness area aims to develop a knowledge of the past that can be useful in shaping the present and future. Because historical forces and traditions have created modern life and lie just beneath its surface, historical awareness is an aid in the analysis of present-day problems. Also, because the historical past is a source of social and national identity, historical study can produce intercultural understanding by tracing cultural differences to their origins in the past. Even the remote past may have instructive analogies for the present.

The historical awareness area consists of courses that are historical in method and content. In this area, the term “history” designates a sequence of past events or a narrative whose intent or effect is to represent such a sequence. The requirement presumes that these are human events and that history includes all that has been felt, thought, imagined, said, and done by human beings. History is present in the lan-

guages, art, music, literature, philosophy, religion, and the natural sciences, as well as in the social science traditionally called history.

GENERAL STUDIES COURSES

The following ASU Main and ASU East General Studies courses satisfy the requirements of the five core areas and three awareness areas. General Studies courses are regularly reviewed. Since courses are occasionally added to and deleted from the list, students should always consult the *Schedule of Classes* each semester to see which courses currently meet the General Studies requirement.

A student receives the General Studies credit a course carries in the semester in which the course is taken, with one exception: *a course listed on an approved program of study but subsequently deleted from the General Studies list retains the General Studies credit it carried when the program of study was approved.*

Under each core and awareness area, courses are presented alphabetically by

course prefix. The course prefix is followed by course number and course title. The number in parentheses following the course title indicates the semester hours of credit. The letter following the semester hours of credit indicates when the course will be offered. See “Key to Course Listing Codes” on page 57.

The table, “Key to General Studies Credit Abbreviations,” identifies which requirement(s) the course meets. This key is also used in the *Schedule of Classes*. General Studies courses are also identified following course descriptions.

The campus codes “M” (for ASU Main) and “W” (for ASU West) identify the campus that maintains academic control over the course (i.e., course content, registration restrictions, General Studies designations, and other curricular matters). ASU East courses are listed under the “M” campus code. The campus code is not used in the catalogs but appears in the *Schedule of Classes*, on transcripts, and other enrollment and registration records.

Key to General Studies Credit Abbreviations

Code	Description
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 sciences core courses
S1	Natural sciences core courses (introductory)
S2	Natural sciences core courses (additional courses)
C	Cultural diversity in the United States courses
G	Global awareness courses
H	Historical awareness courses
/	or
,	and

General Studies Courses

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
—	493 Honors Thesis. (3–6) F, S, SS (See description on page 101. Only three semester hours may fulfill L2 requirement.)		L2										
ACC	330 Accounting Information Systems. (4) F, S, SS	L1											
	430 Taxes and Business Decisions. (4) F, S, SS		L2										
AES	301 Air Force Leadership and Management I. (3) F		L2										
	303 Air Force Leadership and Management II. (3) S		L2										
	401 Preparation for Active Duty I. (3) F		L2										
AGB	250 World Food Dynamics. (3) S											G	
	258 International Agribusiness. (3) F											G	
	444 Agribusiness Analysis. (3) S		L2										
	450 International Agricultural Development. (3) S											G	
	453 World Agricultural Resources. (3) SS											G	
AMT	308 Air Transportation. (3) F											G	
ANP	236 Introduction to Computer Modeling. (3) F, S (Cross-listed as DSC/PUP 236.)					N3							
APH	100 Introduction to Environmental Design. (3) F, S, SS (Cross-listed as DSC/PUP 100.)						HU					G	H
	200 Introduction to Architecture. (3) F						HU					G	
	300 World Architecture I/Western Cultures. (3) F						HU					G	H
	301 World Architecture II/Eastern Cultures. (3) S											G	
	304 American Architecture. (3) N						HU						
	305 Contemporary Architecture. (3) N						HU						
	313 History of Western Architecture I. (3) F		L2				HU						
	314 History of Western Architecture II. (3) S		L2				HU						

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H	
	411	History of Landscape Architecture. (3) F (Cross-listed as PLA 310.)												H
	441	Ancient Architecture. (3) N						HU						
	443	Renaissance Architecture. (3) N						HU						
	444	Baroque Architecture. (3) N						HU						
	446	20th-Century Architecture I. (3) F						HU						
	447	20th-Century Architecture II. (3) S						HU						
ARA	303	Art Appreciation and Human Development. (3) F						HU						
	488	Understanding Art. (3) F, S							L2					
ARS	100	Introduction to Art. (3) F, S, SS						HU						
	101	Art of the Western World I. (3) F, S						HU						H
	102	Art of the Western World II. (3) F, S						HU						H
	201	Art of Asia. (3) A						HU						H
	202	Art of Africa, Oceania, and the Americas. (3) A						HU						H
	300	Introduction to Art. (3) F, S						HU						
	302	Art of Africa, Oceania, and the Americas. (3) A						HU						H
	340	Art in America. (3) A						HU						H
	350	19th-Century Photography. (3) A						HU						
	351	20th-Century Photography. (3) A						HU						
	400	History of Printmaking. (3) A						HU						H
	402	Art of Ancient Egypt. (3) N						HU						H
	404	Greek Art. (3) A						HU						H
	406	Roman Art. (3) A						HU						H
	410	Early Christian and Byzantine Art. (3) A						HU						
	412	Early Medieval Art. (3) N						HU						H
	414	Romanesque Art. (3) A						HU						H
	416	Gothic Art. (3) A						HU						
	418	Renaissance Art in Northern Europe. (3) A						HU						
	420	Early Renaissance Art in Italy. (3) N						HU						H
	422	Italian High Renaissance Art and Mannerism. (3) A						HU						
	424	Italian Baroque Art. (3) A						HU						H
	426	Art of the 17th Century in Northern Europe. (3) A						HU						H
	428	Art of the 18th Century. (3) A						HU						H
	430	Art of Spain and Its Colonies. (3) A						HU						H
	432	From David to Daumier: European Art 1780–1860. (3) F						HU						H
	434	From Courbet to Cézanne: History of European Art 1860–WWI. (3) S						HU						
	436	Art at the Turn-of-the-Century: 1885–1914. (3) F						HU						
	438	Art of the 20th Century I. (3) A						HU						H
	439	Art of the 20th Century II. (3) A						HU						H
	442	Critical Issues in American Painting I. (3) A						HU						
	443	Critical Issues in American Painting II. (3) A						HU						
	444	Modern American Art, 1900–1945. (3) A						HU						H
	457	History of Art Criticism. (3) N												H
	458	Critical Theories in the Visual Arts. (3) N						HU						
	462	Precolumbian Art I. (3) A						HU						H
	463	Precolumbian Art II. (3) A						HU						H
	465	Native North American Art. (3) A						HU						H
	466	Native American Art of the Southwest. (3) A						HU				C		H
	468	Art of the Arctic and Northwest Coast. (3) N						HU						
	469	Mexican Art. (3) A						HU						H
	472	Art of China. (3) A						HU						
	473	Art of Japan. (3) A						HU						
	475	Chinese Painting. (3) A						HU						
	480	Research Methods. (3) F, S							L2					

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	485	Women in the Visual Arts. (3) S	L2										
ART	444	Computer Art I. (3) F, S				N3							
	446	Computer Art II. (3) A				N3							
ASB	102	Introduction to Cultural and Social Anthropology. (3) F, S						SB				G	
	202	Ethnic Relations in the United States. (3) F, S									C		H
	211	Women in Other Cultures. (3) N										G	
	222	Buried Cities and Lost Tribes: Our Human Heritage. (3) S					HU						
	231	Archaeological Field Methods. (4) S								S2			
	240	Introduction to Southeast Asia. (3) F (Cross-listed as GCU/HIS/POS/REL 240.)										G	
	242	Asian American Experiences: An Anthropological Perspective. (3) F	L1								C		
	250	Anthropology Topics. (3) S	L1										
	302	Ethnographic Field Study in Mexico. (3) SS	L1					SB				G	
	311	Principles of Social Anthropology. (3) S						SB					
	321	Indians of the Southwest. (3) S	L2					SB			C		H
	322	Indians of Mesoamerica. (3) S						SB				G	
	323	Indians of Latin America. (3) F						SB				G	
	324	Peoples of the Pacific. (3) N										G	
	325	Peoples of Southeast Asia. (3) F										G	
	326	Human Impacts on Ancient Environments. (3) S						SB					H
	330	Principles of Archaeology. (3) F, S						SB					
	333	New World Prehistory. (3) F	L2					SB					
	335	Prehistory of the Southwest. (3) F, S						SB			C		H
	337	Pre-Hispanic Civilization of Middle America. (3) S											H
	351	Psychological Anthropology. (3) S						SB					
	353	Death and Dying in Cross-Cultural Perspective. (4) F					HU	SB				G	
	355	Shamanism, Healing, and Consciousness. (3) S					HU	SB					
	361	Old World Prehistory I. (3) F											H
	362	Old World Prehistory II. (3) S											H
	383	Linguistic Theory: Phonetics and Phonology. (4) F						SB					
	400	Cultural Factors in International Business. (3) S (Cross-listed as IBS 400.)										G	
	412	History of Anthropology. (3) F	L2					SB					
	416	Economic Anthropology. (3) F	L2					SB					
	462	Medical Anthropology: Culture and Health. (3) F 1998									C		
	471	Introduction to Museums. (3) F	L2										
	480	Introduction to Linguistics. (3) F						SB					
	481	Language and Culture. (3) S						SB					
	483	Sociolinguistics and the Ethnography of Communication. (3) N						SB					
ASE	485	Engineering Statistics. (3) F, S, SS				N2							
ASM	101	Human Origins and the Development of Culture. (3) F, S						SB					
	301	Peopling of the World. (3) S						SB					
	342	Human Biological Variation. (4) S								S2			
	344	Fossil Hominids. (3) N											H
	348	Social Issues in Human Genetics. (3) S						SB					
	452	Dental Anthropology. (4) F								S2			
	455	Primate Behavior Laboratory. (3) N	L2										
AST	111	Introduction to Solar Systems Astronomy. (3) F (Both AST 111 and 113 must be taken to secure S1 or S2 credit.)								S1 . S2			

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
112	Introduction to Stars, Galaxies, and Cosmology. (3) S (Both AST 112 and 114 must be taken to secure S1 or S2 credit.)								S1	S2			
113	Astronomy Laboratory I. (1) F (Both AST 111 and 113 or AST 113 and 321 must be taken to secure S1 or S2 credit.)								S1	S2			
114	Astronomy Laboratory II. (1) S (Both AST 112 and 114 or AST 114 and 322 must be taken to secure S1 or S2 credit.)								S1	S2			
321	Introduction to Planetary and Stellar Astrophysics. (3) F (Both AST 113 and 321 must be taken to secure S1 or S2 credit.)								S1	S2			
322	Introduction to Galactic and Extragalactic Astrophysics. (3) S (Both AST 114 and 322 must be taken to secure S1 or S2 credit.)								S1	S2			
BIO	100 The Living World. (4) F, S, SS								S1	S2			
	120 Human Physiology. (4) F, S									S2			
	181 General Biology. (4) F, S, SS								S1	S2			
	182 General Biology. (4) F, S, SS									S2			
	193 The Nature of Biological Science. (4) F								S1	S2			
	201 Human Anatomy and Physiology I. (4) F, S, SS									S2			
	241 Human Genetics. (4) F									S2			
	302 Cancer and Heart Disease. (3) F		L2										
	303 Radiation and Life. (3) S		L2										
	304 Radiation Medicine and Biology. (3) F		L2										
	316 History of Biology: Conflicts and Controversies. (3) N (Cross-listed as HPS 330.)												H
	318 History of Medicine. (3) N (Cross-listed as HPS 331.)												H
	319 Environmental Science (Nonmajor). (3) F (Cross-listed as PLB 320.)											G	
	321 Introductory Ecology Laboratory. (3) S		L2										
	406 Computer Applications in Biology. (3) F (Cross-listed as PLB 432.)					N3							
	410 Techniques in Wildlife Conservation Biology. (3) F		L2										
	415 Biometry. (4) F					N2							
	416 Professional Values in Science. (2-3) A (Cross-listed as HPS 410.)		L2										
	426 Limnology. (4) S		L2										
	428 Biogeography. (3) F		L2										
	435 Research Techniques in Animal Behavior. (3) S 1999		L2										
	446 Principles of Human Genetics. (3) A		L2										
	470 Systematic Zoology. (4) S 1999		L2										
BIS	402 Senior Seminar. (3) F, S, SS		L2										
BME	201 Introduction to Bioengineering. (3) F (Cross-listed as STE 201.)		L1										
	202 Global Awareness Within Biomedical Engineering Design. (3) F		L1				HU						
	413 Biomedical Instrumentation. (3) F		L2										
	423 Biomedical Instrumentation Laboratory. (1) F		L2										
BUS	301 Fundamentals of Management Communication. (3) F, S, SS		L1										
	451 Business Research Methods. (3) N		L2										
CCS	101 Introduction to Chicana and Chicano Studies. (3) F										C		
	111 Introduction to Chicana and Chicano Culture. (3) S										C		
	300 Chicana and Chicano Culture and Society. (3) F										C		
CDE	232 Human Development. (3) F, S							SB					
	430 Infant/Toddler Development in the Family. (3) F							SB					

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	230	Small Group Communication. (3) F, S, SS						SB					
	241	Introduction to Oral Interpretation. (3) F, S, SS	L1				HU						
	250	Introduction to Organizational Communication. (3) F, S, SS						SB					
	263	Elements of Intercultural Communication. (3) F, S, SS						SB			C	G	
	308	Empirical Research Methods in Communication. (3) F, S, SS	L2										
	316	Gender and Communication. (3) F, S						SB			C		
	319	Persuasion and Social Influence. (3) F, S, SS						SB					
	320	Communication and Consumerism. (3) A						SB					
	321	Rhetorical Theory and Research. (3) F, S	L2				HU						H
	323	Communication Approaches to Popular Culture. (3) F, S, SS									C		
	325	Advanced Public Speaking. (3) F, S	L1										
	344	Performance of Oral Traditions. (3) N					HU				C		
	357	Communication Technology and Information Diffusion. (3) F						SB					
	371	Language, Culture, and Communication. (3) F, S						SB			C	G	
	410	Interpersonal Communication Theory and Research. (3) F, S, SS						SB					
	411	Communication in the Family. (3) A						SB					
	421	Rhetoric of Social Issues. (3) F, S					HU						
	426	Political Communication. (3) F						SB					
	441	Performance Studies. (3) F, S, SS					HU						
	445	Narrative Performance. (3) N					HU						
	446	Interpretation of Literature Written by Women. (3) N					HU				C		
	450	Theory and Research in Organizational Communication. (3) F, S, SS						SB					
	463	Intercultural Communication Theory and Research. (3) F, S, SS						SB				G	
CON	101	Construction and Culture: A Built Environment. (3) F, S					HU					G	H
	389	Construction Cost Accounting and Control. (3) F, S				N3							
	472	Development Feasibility Reports. (3) F, S	L2										
	495	Construction Planning and Scheduling. (3) F, S				N3							
	496	Construction Contract Administration. (3) F, S	L2										
CSE	100	Principles of Programming. (3) F, S, SS				N3							
	180	Computer Literacy. (3) F, S, SS				N3							
	181	Applied Problem Solving with BASIC. (3) F, S, SS				N3							
	183	Applied Problem Solving with FORTRAN. (3) F				N3							
	200	Concepts of Computer Science. (3) F, S, SS				N3							
	210	Data Structures and Algorithms I. (3) F, S, SS				N3							
	423	Microcomputer System Hardware. (3) S	L2										
CSH	310	Chicana and Chicano Folklore. (3) A					HU				C		
	351	Contemporary Chicana and Chicano Arts. (3) A					HU				C		
	363	Chicana and Chicano Literature. (3) F (Cross-listed as ENG 363.)	L2				HU				C		
	485	Chicana Writers. (3) A	L2				HU				C		
CSS	331	Contemporary Issues in the Chicana and Chicano Community. (3) S									C		
	336	Issues in Immigration and Migration. (3) A									C		H
	340	Chicanas and Chicanos in the U.S. Economy. (3) S									C		
	432	Issues in Chicana and Chicano Gender. (3) A									C		
DAH	100	Introduction to Dance. (3) F, S					HU						
	201	Cross-Cultural Dance Perspectives. (3) F, S					HU					G	
	300	Focus on Dance. (3) F, S, SS					HU						
	301	Philosophy and Criticism of Dance. (3) F, S	L2				HU						
	401	Dance History I. (3) F					HU						
	402	Dance History II. (3) S					HU						

			L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
DSC	100	Introduction to Environmental Design. (3) F, S, SS (Cross-listed as APH/PUP 100.)						HU					G	H
	101	Design Awareness. (3) F, S, SS						HU					G	
	236	Introduction to Computer Modeling. (3) F, S, SS (Cross-listed as ANP/PUP 236.)					N3							
ECE	100	Introduction to Engineering Design. (4) F, S					N3							
	300	Intermediate Engineering Design. (3) F, S, SS		L1										
	380	Probability and Statistics for Engineering Problem Solving. (3) F, S					N2							
	400	Engineering Communications. (3) F, S, SS		L2										
ECN	111	Macroeconomic Principles. (3) F, S, SS							SB					
	112	Microeconomic Principles. (3) F, S							SB					
	304	Current Issues in Economics and Politics. (3) A		L1					SB					
	306	Survey of International Economics. (3) A (Cross-listed as IBS 306.)							SB					
	313	Intermediate Macroeconomic Theory. (3) F, S							SB					
	314	Intermediate Microeconomic Theory. (3) F, S							SB					
	331	Comparative Economic Systems. (3) N							SB				G	
	360	Economic Development. (3) N							SB				G	
	365	Economics of Russia and Eastern Europe. (3) A							SB				G	
	404	History of Economic Thought. (3) N							SB					
	421	Earnings and Employment. (3) A		L2					SB					
	436	International Trade Theory. (3) A							SB				G	
	438	International Monetary Economics. (3) A							SB				G	
	441	Public Finance. (3) A		L2					SB					
	450	Law and Economics. (3) A		L2										
	480	Introduction to Econometrics. (3) A					N2							
EDP	303	Human Development. (3) F, S		L2										
	310	Educational Psychology. (1–6) F, S, SS							SB					
	454	Statistical Data Analysis in Education. (3) F, S, SS					N2							
EEE	490	Senior Design Laboratory. (3) F, S		L2										
EMC	321	Computer Literacy. (3) F, S, SS					N3							
	323	Computer Applications. (3) F, S					N3							
ENG	200	Critical Reading and Writing about Literature. (3) F, S		L1				HU						
	201	World Literature. (3) F						HU						H
	202	World Literature. (3) S						HU						H
	204	Introduction to Contemporary Literature. (3) A						HU						
	212	English Prose Style. (3) N		L1										
	215	Strategies of Academic Writing. (3) F, S		L1										
	216	Persuasive Writing on Public Issues. (3) F, S		L1										
	217	Personal and Exploratory Writing. (3) F, S		L1										
	218	Writing about Literature. (3) F, S		L1										
	221	Survey of English Literature. (3) F, S						HU						H
	222	Survey of English Literature. (3) F, S						HU						H
	241	American Literature. (3) F, S						HU						
	242	American Literature. (3) F, S						HU						
	301	Writing for the Professions. (3) F, S		L1										
	303	Classical Backgrounds of English Literature. (3) N						HU						
	307	Utopian Literature. (3) N		L2				HU						H
	312	English in Its Social Setting. (3) F, S						HU	SB					
	321	Introduction to Shakespeare. (3) F, S		L2				HU						
	331	American Drama. (3) A		L2										
	332	Major American Novels. (3) A		L2										
	333	American Ethnic Literature. (3) A		L2								C		
	352	Short Story. (3) F, S						HU						

			L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
ETC	100	Languages of Technology. (4) F, S					N3							
	200	Impact of Communications Technology on Society. (3) F, S		L1										
	400	Technical Communications. (3) F, S, SS		L2										
FAS	330	Personal Growth in Human Relationships. (3) F, S							SB					
	331	Marriage and Family Relationships. (3) F, S							SB					
	361	Introduction to Family/Child Research Methods. (3) S		L1										
	435	Advanced Marriage and Family Relationships. (3) F							SB					
FIN	461	Financial Cases and Modeling. (3) A		L2										
FLA	150	Introduction to East Asian Culture. (3) S						HU						G
	323	Survey of Literature of the Soviet Era in Translation. (3) F, S		L2				HU						G
	400	Linguistics. (3) S							SB					
	420	Foreign Literature in Translation. (3) F, S						HU						G
	421	Japanese Literature in Translation. (3) F, S		L2				HU						G
FON	344	Nutrition Services Management. (3) S		L1										
	448	Community Nutrition. (3) F		L2										
FRE	201	Intermediate French I. (4) F, S, SS												G
	202	Intermediate French II. (4) F, S, SS												G
	205	Readings in French Literature. (3) F, S, SS												G
	207	French for International Professions II. (8) S												G
	311	French Conversation. (3) F, S												G
	312	French Composition. (3) F, S												G
	319	Business Correspondence and Communication. (3) S												G
	321	French Literature. (3) F, S		L2				HU						H
	322	French Literature. (3) F, S		L2				HU						
	411	Advanced Spoken French. (3) F, S												G
	412	Advanced Written French. (3) F, S												G
	415	French Civilization I. (3) F						HU						
	416	French Civilization II. (3) S						HU						G
	441	French Literature of the 17th Century. (3) N						HU						
	442	French Literature of the 17th Century. (3) N						HU						H
	445	French Literature of the 18th Century. (3) N		L2				HU						
	452	French Novel of the 19th Century. (3) N						HU						
	453	Theater of the 19th Century. (3) N		L2				HU						
	461	Preatomic Literature. (3) F						HU						
	462	Postatomic Literature. (3) S						HU						
	471	The Literature of Francophone Africa and the Caribbean. (3) N		L2				HU						
GCU	102	Introduction to Human Geography. (3) F, S							SB					
	121	World Geography. (4) F, S							SB					G
	141	Introduction to Economic Geography. (3) N							SB					
	240	Introduction to Southeast Asia. (3) F (Cross-listed as ASB/HIS/POS/REL 240.)												G
	253	Introduction to Cultural and Historical Geography. (3) N							SB					G
	322	Geography of U.S. and Canada. (3) A							SB					
	323	Geography of Latin America. (3) F							SB					G
	325	Geography of Europe. (3) A							SB					G
	326	Geography of Asia. (3) F							SB					G
	327	Geography of Africa. (3) N							SB					G
	328	Geography of Middle East and North Africa. (3) N							SB					G
	332	Geography of Australia and Oceania. (3) A												G
	344	Geography of Hispanic Americans. (3) S										C		
	350	The Geography of World Crises. (3) F, S							SB					G
	351	Population Geography. (3) F							SB					
	352	Political Geography. (3) N							SB					G
	357	Social Geography. (3) A							SB					

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	359	Cities of the World I. (3) N										G	
	360	Cities of the World II. (3) N										G	
	361	Urban Geography. (3) F, S						SB					
	421	Geography of Arizona and Southwestern United States. (3) F, S									C		
	423	Geography of South America. (3) S						SB				G	
	424	Geography of Mexico and Middle America. (3) A						SB				G	
	425	Geography of Mexican-American Borderland. (3) S				L2						G	
	426	Geography of Russia and Surroundings. (3) N						SB				G	
	442	Geographical Analysis of Transportation. (3) S						SB					
	495	Quantitative Methods in Geography. (3) F				N2							
	496	Geographic Research Methods. (3) F, S				L2							
GER	201	Intermediate German. (4) F, S, SS										G	
	202	Intermediate German. (4) F, S, SS										G	
	311	German Conversation. (3) F										G	
	312	German Conversation. (3) S										G	
	313	German Composition. (3) S										G	
	319	Business Correspondence and Communication. (3) N										G	
	411	Advanced Grammar and Conversation. (3) F										G	
	412	Advanced Grammar and Composition. (3) S										G	
	415	German Civilization. (3) S					HU						H
	416	German Civilization. (3) F					HU						H
	421	German Literature. (3) F					HU						
	422	German Literature. (3) S				L2	HU						
	453	German Literary Masterpieces on Film. (3) F, S, SS					HU					G	H
GLG	101	Introduction to Geology I (Physical). (3) F, S, SS (Both GLG 101 and 103 must be taken to secure S1 or S2 credit.)							S1	S2			
	102	Introduction to Geology II (Historical). (3) S (Both GLG 102 and 104 must be taken to secure S2 credit.)								S2			
	103	Introduction to Geology I—Laboratory. (1) F, S, SS (Both GLG 101 and 103 must be taken to secure S1 or S2 credit.)							S1	S2			
	104	Introduction to Geology II—Laboratory. (1) S (Both GLG 102 and 104 must be taken to secure S2 credit.)								S2			
	105	Introduction to Planetary Science. (4) S								S2			
	110	Environmental Geology. (3) F (Both GLG 110 and 111 must be taken to secure S2 credit.)								S2		G	
	111	Environmental Geology Laboratory. (1) F (Both GLG 110 and 111 must be taken to secure S2 credit.)								S2			
	450	Geology Field Camp. (6) SS				L2							
GPH	111	Introduction to Physical Geography. (4) F, S							S1	S2			
	211	Landform Processes. (3) S				L1							
	212	Introduction to Meteorology I. (3) F (Both GPH 212 and 214 must be taken to secure S2 credit.)								S2			
	214	Introduction to Meteorology Laboratory I. (1) F (Both GPH 212 and 214 must be taken to secure S2 credit.)								S2			
	418	Landforms of the Western United States. (3) A				L2							
GRA	318	History of Graphic Design. (3) F					HU						
	345	Design Rhetoric. (3) F, S				L2							
GRK	301	Ancient Greek Literature. (3) F					HU						
	302	Ancient Greek Literature. (3) S					HU						

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
HIS	100	Western Civilization. (3) F, S						SB					H
	101	Western Civilization. (3) F, S						SB					H
	102	Western Civilization. (3) F, S						SB				G	H
	103	The United States. (3) F, S						SB					H
	104	The United States. (3) F, S						SB					H
	107	Introduction to Japan. (3) A						SB				G	H
	111	Global History Since 1500. (3) F, S										G	H
	230	American Social History. (3) A				L1							H
	240	Introduction to Southeast Asia. (3) F (Cross-listed as ASB/GCU/POS/REL 240.)										G	
	270	Judaism in American History. (3) N						SB					H
	273	American Military History. (3) N						SB					H
	300	Historical Inquiry. (3) F, S				L1		SB					H
	303	American Cultural History. (3) F, S						SB					H
	304	American Cultural History. (3) F, S						SB					H
	305	Asian Civilizations. (3) A						SB				G	H
	306	Asian Civilizations. (3) F, S						SB				G	H
	308	Modern Southeast Asia. (3) S						SB				G	H
	312	Interpreting China's Classics. (3) F (Cross-listed as HUM 312.)				L2	HU						H
	320	Ancient Greece. (3) F						SB					H
	321	Rome. (3) S						SB					H
	322	The Middle Ages. (3) A						SB					H
	323	The Middle Ages. (3) A						SB					H
	324	Renaissance. (3) F				L2		SB					H
	325	Reformation. (3) S				L2		SB					H
	326	Early Modern Europe. (3) A						SB					H
	327	Early Modern Europe. (3) N						SB					H
	329	19th-Century Europe. (3) A						SB					H
	330	19th-Century Europe. (3) A						SB					H
	331	20th-Century Europe. (3) N						SB				G	H
	332	20th-Century Europe. (3) N						SB				G	H
	333	Women and Society in Europe. (3) N				L2	HU	SB					H
	335	Family, Class, and Society in Modern Europe. (3) N				L2		SB					H
	351	England. (3) A						SB					H
	352	England. (3) N						SB					H
	357	19th-Century West. (3) F						SB					H
	358	The West in the 20th Century. (3) S						SB					H
	360	American Indian History to 1900. (3) F						SB			C		H
	361	American Indian History Since 1900. (3) S						SB			C		H
	363	African American History I. (3) A						SB			C		H
	364	African American History II. (3) A						SB			C		H
	365	Islamic Civilization. (3) N					HU						H
	366	The Modern Middle East. (3) N						SB				G	H
	369	Exploration and Empire. (3) S				L2							H
	370	Women in U.S. History, 1600–1880. (3) F						SB			C		H
	371	Women in U.S. History, 1880–1980. (3) S						SB			C		H
	380	History of the Mexican American. (3) A						SB					H
	382	Historical Statistics. (3) N				N2							
	383	Latin America. (3) A						SB					H
	384	Latin America. (3) A						SB					H
	401	American Colonial History. (3) A						SB					H
	404	The Early Republic, 1789–1850. (3) A				L2		SB					H
	406	Civil War and Reconstruction. (3) A				L2		SB					H
	407	The Emergence of Modern America. (3) A						SB					H
	409	Recent American History. (3) A						SB					H

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	331 History of Medicine. (3) A (Cross-listed as BIO 318.)												H
	410 Professional Values in Science. (2-3) A (Cross-listed as BIO 416.)		L2										
HUM	110 Contemporary Issues in Humanities. (3) F, S						HU						
	200 Encountering the Humanities. (3) S						HU						
	301 Humanities in the Western World. (4) F		L1				HU						H
	302 Humanities in the Western World. (4) S		L1				HU						H
	310 Japanese Cities and Cultures to 1800. (3) S (Cross-listed as REL 355.)		L1				HU						H
	312 Interpreting China's Classics. (3) F (Cross-listed as HIS 312.)		L2				HU						H
	320 Hispanic Cultures: Europe and the Americas. (3) F		L1				HU						H
	340 Contemporary American Film and Popular Culture. (3) F						HU						
	420 Interpreting Latin America. (3) S						HU					G	H
	440 Los Angeles and Cultural Theory. (3) S		L1				HU				C		
	450 Technology and Culture. (3) S		L1				HU						
	460 Postmodern Culture and Interpretation. (3) F		L2										
	462 Psychoanalysis and Culture. (3) F		L2				HU	SB					
	465 Narrative in the Human Sciences. (3) F		L2				HU						
	498 Pro-Seminar in the Humanities. (3) A		L2				HU						
IBS	300 Principles of International Business. (3) A												G
	306 Survey of International Economics. (3) A (Cross-listed as ECN 306.)							SB					
	400 Cultural Factors in International Business. (3) S (Cross-listed as ASB 400.)												G
IDN	201 Intermediate Indonesian I. (5) F												G
	202 Intermediate Indonesian II. (5) S												G
IEE	205 Microcomputer Applications in Industrial Engineering. (3) F, S					N3							
	305 Information Systems Engineering. (3) F					N3							
	374 Quality Control. (3) F				N2								
	463 Computer-Aided Manufacturing and Control. (3) F, S					N3							
	475 Introduction to Simulation. (3) F, S					N3							
	476 Operations Research Techniques/Applications. (4) F, S				N2								
IND	316 20th-Century Design I. (3) F						HU						H
	317 20th-Century Design II. (3) S						HU						H
	470 Professional Practice for Industrial Design. (3) F		L2										
INT	223 Interior Design Issues and Theories. (3) F						HU						
	310 History of Interior Design I. (3) F						HU						H
	311 History of Interior Design II. (3) S						HU						H
	412 History of Decorative Arts in Interiors. (3) F						HU						
	442 Specifications and Documents for Interiors. (3) F		L2										
ITA	201 Intermediate Italian. (4) F, S												G
	202 Intermediate Italian. (4) F, S												G
	311 Italian Composition and Conversation. (3) F, S												G
	312 Italian Composition and Conversation. (3) F, S												G
	314 Advanced Italian. (3) N												G
	325 Introduction to Italian Literature. (3) F						HU						
	415 Italian Civilization. (3) N		L2				HU						G
	430 Italian Literature of the Middle Ages. (3) N						HU						
	441 Dante: <i>Divina Commedia</i> . (3) N		L2				HU						
	443 Italian Literature of the Renaissance. (3) N						HU						H
	446 Italian Literature of the 18th and 19th Centuries. (3) N						HU						
	449 20th-Century Italian Literature. (3) N						HU						G

			L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
JPN	201	Intermediate Japanese. (5) F											G	
	202	Intermediate Japanese. (5) S											G	
	207	Japanese for International Professions II. (10) S											G	
	311	Japanese Conversation and Composition. (3) F											G	
	312	Japanese Conversation and Composition. (3) S											G	
	313	Advanced Japanese. (3) F											G	
	314	Advanced Japanese. (3) S											G	
	321	Japanese Literature. (3) N		L2				HU					G	
JRN	201	Journalism Newswriting. (3) F, S, SS		L1										
	301	Reporting. (3) F, S		L2										
JUS	100	The Justice System. (3) F, S, SS							SB					
	180	Introduction to American Indian Justice Studies. (3) F 1999										C		
	200	Topics in Concepts and Issues of Justice. (3) F, S, SS							SB					
	280	American Indian Law and Society. (3) F, S, SS										C		
	302	Basic Statistical Analysis in Justice Studies. (3) F, S, SS				N2								
	321	Wealth Distribution and Poverty. (3) F										C		
	360	Law and Social Control. (3) F, S, SS							SB					
	380	Contemporary Issues of American Indian Nations. (3) F, S, SS										C		
	404	Imperatives of Prof. (3) F, S, SS		L2										
	415	Gender and International Development. (3) F, S, SS		L2									G	
	450	Alternatives to Incarceration. (3) F, S, SS		L2										
	463	Discretionary Justice. (3) F, S, SS							SB					
	469	Political Deviance and the Law. (3) F, S, SS		L2					SB			C		
	470	Alternative Dispute Resolution. (3) F, S, SS		L2										
	474	Legislation of Morality. (3) F, S, SS		L2										
	477	Youth and Justice. (3) F, S, SS		L2					SB					
	480	Law, Policy, and American Indians. (3) F, S, SS										C		
LAT	201	Intermediate Latin. (4) F						HU						
	202	Intermediate Latin. (4) S						HU						
LIA	390	The Use of Research Libraries. (3) F, S		L1										
MAE	468	Aerospace Systems Design. (3) F, S		L2										
	490	Projects in Design and Development. (3) F, S		L2										
MAT	114	College Mathematics. (3) F, S, SS			N1									
	117	College Algebra. (3) F, S, SS			N1									
	119	Finite Mathematics. (3) F, S, SS			N1									
	170	Precalculus. (3) F, S, SS			N1									
	210	Brief Calculus. (3) F, S, SS			N1									
	260	Technical Calculus I. (3) F, S, SS			N1									
	270	Calculus with Analytic Geometry I. (4) F, S, SS			N1									
	290	Calculus I. (5) N			N1									
	300	Mathematical Structures. (3) F, S		L2										
	419	Linear Programming. (3) S				N2								
	421	Applied Computational Methods. (3) F, S				N3								
	423	Numerical Analysis I. (3) F, S				N3								
	425	Numerical Analysis II. (3) F, S				N3								
	427	Computer Arithmetic. (3) S				N3								
	451	Mathematical Modeling. (3) S				N2								
MCE	446	Understanding the Culturally Diverse Child. (3) A										C		
MCO	120	Media and Society. (3) F, S							SB					
	402	Communications Law. (3) F, S, SS		L2										
	418	History of Communications. (3) F, S							SB					H
	430	International Communication. (3) F, S											G	
	450	Visual Communication. (3) F, S, SS						HU						
	456	Political Communication. (3) F, S							SB					

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	460										C		
MET	416					N3							
MGT	463		L2										
MHL	201					N3							
	344						HU					G	
	352												H
	438												H
	439		L2										H
	441		L2										
	447		L2										
	466		L2				HU				C		
MIC	205									S2			
	206									S2			
	302		L2										
	401		L2										
MIS	410							SB					
	412							SB					
	414							SB					
	416							SB					
MKT	460		L2										
MUE	381		L2										
MUS	340						HU						H
	347						HU						
	353						HU						
	354						HU						
	355						HU						H
	356						HU						
NUR	211		L1										
	306		L1										
	403		L2										
PGS	101							SB					
	222							SB					
	270							SB					
	304		L1										
	306							SB					
	315							SB					
	341							SB					
	344		L2										
	350							SB					
	351		L2					SB					
	365							SB					
	414		L2					SB					
	427		L2					SB					
	441		L2					SB					
	443		L2					SB					

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	444 Adolescent Psychology and Psychopathology. (3) N		L2										
	445 Child Language and Drawing. (3) F							SB					
	446 Social Development. (3) N		L2										
	450 Social Perception and Cognition. (3) N		L2										
	451 Stereotyping, Prejudice, and Discrimination. (3) N		L2										
	452 Applied Social Psychology. (3) F		L2										
	461 Interpersonal Influence. (3) N							SB					
	463 Advanced Psychology of Adjustment. (3) F		L2										
	465 Psychology of Stress and Coping. (3) F		L2										
	466 Abnormal Psychology. (3) F, S, SS							SB					
	467 Psychology of Magical Beliefs. (3) N		L2										
PHI	101 Introduction to Philosophy. (3) F, S, SS						HU						
	103 Principles of Sound Reasoning. (3) F, S, SS		L1				HU						
	301 History of Ancient Philosophy. (3) F						HU						H
	302 History of Modern Philosophy. (3) S						HU						H
	304 Existentialism. (3) N						HU						
	305 Ethical Theory. (3) A						HU						
	306 Applied Ethics. (3) F, S, SS						HU						
	307 Philosophy of Law. (3) A						HU						
	308 Philosophy of Art. (3) A						HU						
	309 Social and Political Philosophy. (3) A						HU						
	310 Environmental Ethics. (3) A						HU						
	311 Philosophy in Literature. (3) A						HU						
	312 Theory of Knowledge. (3) A						HU						
	314 Philosophy of Science. (3) A						HU						
	315 Philosophy of Language. (3) A						HU						
	316 Metaphysics. (3) A						HU						
	317 Philosophy of Mind. (3) A						HU						
	318 Philosophy of Religion. (3) A						HU						
	319 Philosophy of Computing. (3) N					N3	HU						
	325 Philosophy of Social Science. (3) N						HU	SB					
	332 19th-Century Philosophy. (3) N						HU						
	335 History of Ethics. (3) A						HU						
	350 Philosophical Argument and Exposition. (3) S		L2										
	402 Empiricism. (3) N						HU						
	403 Contemporary Analytic Philosophy. (3) A						HU						
PHS	110 Fundamentals of Physical Science. (4) F, S								S1	S2			
	208 Patterns in Nature. (4) F, S (Cross-listed as STE 208.)								S1	S2			
PHY	101 Introduction to Physics. (4) F, S								S1	S2			
	111 General Physics. (3) F, S, SS (Both PHY 111 and 113 must be taken to secure S1 or S2 credit.)								S1	S2			
	112 General Physics. (3) F, S, SS (Both PHY 112 and 114 must be taken to secure S1 or S2 credit.)								S1	S2			
	113 General Physics Laboratory. (1) F, S, SS (Both PHY 111 and 113 must be taken to secure S1 or S2 credit.)								S1	S2			
	114 General Physics Laboratory. (1) F, S, SS (Both PHY 112 and 114 must be taken to secure S1 or S2 credit.)								S1	S2			
	121 University Physics I: Mechanics. (3) F, S, SS (Both PHY 121 and 122 must be taken to secure S1 or S2 credit.)								S1	S2			
	122 University Physics Laboratory I. (1) F, S, SS (Both PHY 121 and 122 must be taken to secure S1 or S2 credit.)								S1	S2			

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H	
	131	University Physics II: Electricity and Magnetism. (3) F, S, SS (Both PHY 131 and 132 must be taken to secure S1 or S2 credit.)								S1	S2			
	132	University Physics Laboratory II. (1) S, SS (Both PHY 131 and 132 must be taken to secure S1 or S2 credit.)								S1	S2			
	151	Physics II. (4) F								S1	S2			
	252	Physics III. (4) S								S1	S2			
	420	Research Paper. (1) F, S						L2						
PLA	310	History of Landscape Architecture. (3) F (Cross-listed as APH 411.)												H
	420	Theory of Urban Design. (3) F (Cross-listed as PUP 420.)						HU						
PLB	108	Concepts in Plant Biology. (4) F, S, SS								S1	S2			
	260	Plants in Cities: Introduction to Urban Horticulture. (4) S									S2			
	300	Comparative Plant Diversity. (4) F						L2			S2			
	320	Environmental Science (Nonmajor). (3) F (Cross-listed as BIO 319.)												G
	414	Plant Pathology. (3) F						L2						
	432	Computer Applications in Biology. (3) F (Cross-listed as BIO 406.)												N3
POR	201	Intermediate Portuguese. (5) S												G
	313	Portuguese Composition and Conversation. (3) F												G
	314	Portuguese Composition and Conversation. (3) S												G
	321	Luso-Brazilian Literature. (3) N						HU						
	472	Luso-Brazilian Civilization. (3) N						HU						G
POS	101	Political Ideologies. (3) F, S							SB					
	110	Government and Politics. (3) F, S							SB					
	150	Comparative Government. (3) F, S							SB					G
	160	Global Politics. (3) F, S							SB					G
	220	Political Issues and Public Policy. (3) A							SB					
	230	Current Issues in National Politics. (3) F, S						L1	SB					
	240	Introduction to Southeast Asia. (3) F (Cross-listed as ASB/GCU/HIS/REL 240.)												G
	260	Current Issues in International Politics. (3) F, S						L1	SB					G
	270	American Legal System. (3) F, S							SB					
	301	Empirical Political Inquiry. (3) F, S							SB					
	310	American National Government. (3) F, S							SB					
	313	The Congress. (3) A							SB					
	314	The American Presidency. (3) A							SB					
	315	The Supreme Court. (3) A							SB					
	316	State and Local Government. (3) A							SB					
	320	Public Administration. (3) A							SB					
	325	Public Policy Development. (3) A							SB					
	331	Public Opinion. (3) A							SB					
	332	American Political Parties. (3) A							SB					
	333	Interest Groups. (3) A							SB					
	336	Electoral Behavior. (3) A							SB					
	340	History of Political Philosophy I. (3) A						HU						H
	341	History of Political Philosophy II. (3) A						HU						H
	346	Problems of Democracy. (3) A						HU						
	350	Comparative Politics. (3) A							SB					G
	356	Western Europe. (3) A							SB					G
	357	South Asia Politics. (3) A							SB					G
	358	Southeast Asia. (3) A							SB					G

			L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
QBA	221	Statistical Analysis. (3) F, S					N2							
	321	Applied Quality Analysis I. (3) A		L2										
	391	Management Science. (3) N					N2							
	450	Operations and Process Analysis. (3) A		L2										
REC	120	Leisure and the Quality of Life. (3) F, S, SS							SB					
	160	Leisure and Society. (3) A							SB					
	305	Introduction to Travel and Tourism. (3) F, S											G	
	330	Programming of Recreation Services. (3) F, S		L2										
	380	Wilderness and Parks in America. (3) S							SB					H
	458	International Tourism. (3) F, S											G	
REL	100	Religions of the World. (3) F, S						HU					G	
	200	The Study of Religious Traditions. (3) A		L1				HU					G	
	201	Religion and the Modern World. (3) A		L1				HU						
	202	Religion and Popular Culture. (3) F, S						HU				C		
	203	Saints and Sinners: Explorations in Sacred Biography. (3) F, S						HU						H
	205	Living and Dying. (3) F, S						HU						
	210	Introduction to Judaism. (3) A		L1				HU						H
	225	African American Religion. (3) A						HU				C		
	240	Introduction to Southeast Asia. (3) F (Cross-listed as ASB/GCU/HIS/POS 240.)											G	
	270	Introduction to Christianity. (3) A						HU						
	305	Ritual, Symbol, and Myth. (3) A		L2				HU						
	310	Western Religious Traditions. (3) F						HU						H
	315	Hebrew Bible (Old Testament). (3) A		L2				HU						H
	317	Introduction to Rabbinic Judaism. (3) A						HU						H
	320	American Religious Traditions. (3) F, S						HU				C		H
	321	Religion in America. (3) F, S						HU				C		H
	322	Malcolm and Martin. (3) F, S						HU				C		
	323	Black Religion: A Biographical Approach. (3) F, S						HU				C		
	330	Native American Religious Traditions. (3) A						HU				C		
	331	History of Native American Religious Traditions. (3) N		L2					HU			C		H
	332	South American Indian Religions. (3) F, S						HU					G	
	344	Religion and Values in Japanese Life. (3) S						HU					G	
	345	Asian Religious Traditions. (3) F						HU					G	
	350	Hinduism. (3) A		L2				HU					G	H
	351	Buddhism. (3) A		L2				HU					G	
	355	Japanese Cities and Cultures to 1800. (3) S (Cross-listed as HUM 310.)		L1				HU						H
	365	Islamic Civilization, 700–1300. (3) F						HU						H
	366	Islamic Civilization, 1300 to Present. (3) F						HU					G	H
	371	New Testament. (3) A						HU						
	372	Formation of the Christian Tradition. (3) A						HU						H
	377	Religion in Russia. (3) F, S						HU						H
	379	Religion, Nationalism, and Ethnic Conflict. (3) F, S						HU					G	
	381	Religion and Moral Issues. (3) A		L2				HU						
	385	Contemporary Western Religious Thought. (3) A		L2				HU						
	390	Women and Religion. (3) A						HU					G	
	410	Judaism in Modern Times. (3) N						HU						H
	415	The Jewish Mystical Tradition. (3) A						HU						
	420	Religion in American Life and Thought. (3) A		L2				HU						
	426	American Preachers and Preaching: The Sermon in America. (3) N		L2				HU						
	427	American Religious Thought. (3) N						HU						H
	444	Religion in Japan. (3) F						HU					G	H
	460	Studies in Islamic Religion. (3) A						HU					G	

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	470 Religion in the Middle Ages. (3) A						HU						H
	471 Reformation and Modern Christianity. (3) A						HU						H
	486 Modern Critics of Religion. (3) A						HU						
RUS	201 Intermediate Russian. (4) F, SS											G	
	202 Intermediate Russian. (4) S, SS											G	
	211 Basic Russian Conversation. (3) F											G	
	212 Basic Russian Conversation. (3) S											G	
	311 Russian Composition and Conversation. (3) F											G	
	312 Russian Composition and Conversation. (3) S											G	
	321 Survey of Russian Literature. (3) A		L2				HU						H
	322 Survey of Russian Literature. (3) A		L2				HU						
	323 Survey of Literature of the Soviet Era. (3) A		L2				HU					G	
	411 Advanced Composition and Conversation I. (3) F											G	
	412 Advanced Composition and Conversation II. (3) S											G	
	420 Russian Poetry. (3) N		L2				HU						
	421 Pushkin. (3) N		L2				HU						
	423 Dostoyevsky. (3) N		L2				HU						
	424 Tolstoy. (3) N		L2				HU						
	425 Chekhov. (3) N		L2				HU						
	426 Literatures of the Nationalities of the Former Soviet Union. (3) N		L2				HU					G	
	430 Russian Short Story. (3) N		L2				HU						
	441 Survey of Russian Culture. (3) N		L2				HU					G	H
SCM	455 Purchasing Research and Negotiation. (3) F, S		L2										
SHS	367 Language Science. (3) F							SB					
	465 Speech and Language Acquisition. (3) S, SS							SB					
SOC	101 Introductory Sociology. (3) F, S, SS							SB					
	301 Principles of Sociology. (3) F, S, SS							SB					
	312 Sociology of Adolescence. (3) F, S							SB					
	315 Courtship and Marriage. (3) F, S, SS							SB					
	318 Overview of Aging. (3) F							SB					
	321 Sociology of Work. (3) S							SB					
	331 Environmental Sociology. (3) F							SB					
	332 Urban Sociology. (3) F, S							SB				G	
	333 Population. (3) F, S, SS							SB				G	
	340 Sociology of Deviant Behavior. (3) F, S, SS							SB					
	341 Modern Social Problems. (3) F, S, SS							SB					
	352 Social Change. (3) F, S							SB				G	H
	360 Sociological Psychology. (3) F, S							SB					
	361 Variant Sexuality. (3) F							SB					
	365 The Sociology of Mass Communication. (3) F, S							SB					
	391 Sociological Research. (3) F, S, SS							SB					
	395 Social Statistics I. (3) F, S, SS				N2								
	415 The Family. (3) F, S, SS							SB					
	416 Marriage Problems in Contemporary Society. (3) S		L2					SB					
	417 Family Violence. (3) F, S							SB					
	418 Aging and the Life Course. (3) F, S							SB					
	420 Sociology of Religion. (3) S		L2					SB					
	422 Sociology of Complex Organizations. (3) F		L2					SB					
	423 Social Class and Stratification. (3) S		L2					SB					
	427 Sociology of Health and Illness. (3) F		L2					SB					
	429 Sociology of Law. (3) S							SB					
	433 Demographic Methods. (3) S							SB					
	446 Sociology of Crime. (3) F							SB					
	451 Comparative Sociology. (3) F							SB				G	

		L1	L2	N1	N2	N3	HU	SB	S1	S2	C	G	H
	455	Collective Behavior. (3) S						SB					
	456	Political Sociology. (3) S						SB				G	
	464	Women's Roles. (3) S	L2					SB			C		
	470	Racial and Ethnic Minorities. (3) F, S, SS						SB					
	474	Afro-American in Modern Society. (3) F, S, SS	L2					SB			C		
	483	History of Social Thought. (3) S, SS	L2					SB					
	485	Sociology of Knowledge. (3) F	L2					SB					
	486	Contemporary Theory. (3) S						SB					
SPA	201	Intermediate Spanish. (4) F, S, SS										G	
	202	Intermediate Spanish. (4) F, S, SS										G	
	203	Intermediate Spanish for Bilinguals. (4) F										G	
	204	Intermediate Spanish for Bilinguals. (4) S										G	
	207	Spanish for International Professions II. (8) S										G	
	313	Spanish Conversation and Composition. (3) F, S, SS										G	
	314	Spanish Conversation and Composition. (3) F, S, SS										G	
	319	Business Correspondence and Communication. (3) N										G	
	325	Introduction to Hispanic Literature. (3) F, S					HU						
	412	Advanced Conversation and Composition. (3) F, S										G	
	413	Advanced Spanish Grammar. (3) F										G	
	420	Applied Spanish Linguistics. (3) S	L2										
	421	Spanish in the Southwest. (3) F	L2					SB			C		
	425	Spanish Literature. (3) F, S					HU						
	426	Spanish Literature. (3) F, S					HU						
	427	Spanish American Literature. (3) F, S	L2										
	428	Spanish American Literature. (3) F, S	L2									G	
	464	Mexican American Literature. (3) F					HU						
	471	Civilization of the Spanish Southwest. (3) S					HU						
	472	Spanish American Civilization. (3) F					HU					G	H
	473	Spanish Civilization. (3) S					HU	SB				G	
SPE	311	Orientation to Education of Exceptional Children. (3) F, S, SS						SB					
SPF	301	Culture and Schooling. (3) F, S	L2										
STE	201	Introduction to Bioengineering. (3) F (Cross-listed as BME 201.)	L1										
	208	Patterns in Nature. (4) F, S (Cross-listed as PHS 208.)							S1	S2			
STP	226	Elements of Statistics. (3) F, S, SS			N2								
	326	Intermediate Probability. (3) F, S			N2								
	420	Introductory Applied Statistics. (3) F, S, SS			N2								
	429	Experimental Statistics. (3) S				N3							
SWU	271	Introduction to Social Work. (3) F, S											H
	301	Human Behavior in the Social Environment I. (3) F, S	L2					SB					
	321	Statistics for Social Workers. (3) F, S			N2								
	340	Human Behavior in the Social Environment II. (3) F, S						SB					
	474	Ethnic/Cultural Variables in Social Work. (3) F, S									C		
TCM	201	Radio-Television Writing. (3), F, S, SS	L1										
	315	Broadcast News Reporting. (3) F, S	L2										
THA	201	Intermediate Thai I. (5) F										G	
	202	Intermediate Thai II. (5) S										G	
THE	100	Introduction to Theatre. (3) F, S, SS					HU						
	220	Principles of Dramatic Analysis. (3) F, S	L1										
	300	Film: The Creative Process. (3) F, S, SS					HU						
	320	History of the Theatre I. (3) F					HU						H
	321	History of the Theatre II. (3) S					HU						H

Minors, Certificates, and Interdisciplinary Studies

Interdisciplinary studies are available to students through an interdisciplinary degree, the Bachelor of Interdisciplinary Studies (see page 112), or through an extensive choice of minors or certificates which may be taken in conjunction with other majors. Since interdisciplinary studies provide skills which support employment in a rapidly changing work place, students are encouraged to consider these options. Consult the academic advisor in your major about the impact of enrolling in a minor or certificate program.

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 Architecture and Environmental Design	
Environmental Resources	133
Urban Planning	133–134
College of Business	
Business (for nonbusiness majors)	143
College of Fine Arts	
Art History	250
Dance	261
Music*	
Theatre	278
College of Liberal Arts and Sciences	
Anthropology	311
Asian Languages (Chinese/Japanese)	350
Astronomy	373
Biology	316
Chemistry and Biochemistry	321
Chicana and Chicano Studies	324
Economics for Students	
Planning a Career in Law	325–326
English	326
Exercise Science/ Physical Education	331
Family Resources and Human Development	334
French	350
General Economics	325
Geology	341
German	350
History	343
Humanities	347
Italian	350
Mathematics	362
Microbiology	367
Philosophy	371
Physics	373
Plant Biology	378
Political Science	381
Psychology	384
Religious Studies	387
Russian	350
Sociology	390
Spanish	350
Women's Studies	395
College of Public Programs	
Communication	410
Justice Studies	417
Mass Communication	415
Recreation Management	423
Tourism	423
Interdisciplinary Programs	
Gerontology	110

* For information, contact an advisor in the School of Music.

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 table below. See page 535 for ASU West certificates.

Certificates	Pages
American Humanics, Certificate in Youth Agency Administration	422–423
American Indian Justice Studies	418
Asian Studies	307–308
East Asian Studies	307–308
Gerontology	110, 241, 284
Hazardous Materials and Waste Management	448
Health Physics	308
International Business Studies	159
Jewish Studies	308
Latin American Studies	308
Medieval and Renaissance Studies	308
Medieval Studies ¹	
Museum Studies ^{1, 2}	
Nonprofit Management	241
Post-Master's Family Nurse Practitioner	241
Quality Analysis	147
Renaissance Studies ¹	
Russian and East European Studies	309
Scholarly Publishing ¹	
Small Business and Entrepreneurship	147
Southeast Asian Studies	309
Translation	351
Transportation Systems ¹	
Women's Studies	309

¹ For more information, see the *Graduate Catalog*.

² Contact the Department of Anthropology.

Concurrent and Dual Degrees

Graduate students have the opportunity to pursue more than one degree at the same time as part of an organized program. Refer to the “Concurrent and Dual Degrees Offered at ASU Main” table on page 111. For more information, see the *Graduate Catalog*.

Interdisciplinary Studies

Asian Studies. See pages 307–308 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 and the Master of Science degree in Building Design; 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 encourages and coordinates interdisciplinary environment-related activities in the natural and social sciences within the university. The center 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. It does not formally offer courses or a degree program. For more information, see page 36 or 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.

Gerontology. The Gerontology Program 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.

A certificate at the postbaccalaureate level and an undergraduate minor are available 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, gerontology provides students with opportunities to gain practical experience in working with elderly people. A practicum, held at the Veterans Administration Hospital, is available to students who have completed some gerontology course work. Gerontology 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.

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. Mark Woodward, Department of Religious Studies, at 602/965–7145.



Palm trees framed and reflected in the windows of the Student Services Building.
Priscilla Benbrook photo

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. An undergraduate Certificate in Medieval and Renaissance Studies is offered by the Arizona Center for Medieval and Renaissance Studies. See page 308 for more information. See the *Graduate Catalog* for information about the Certificate in Medieval Studies and the Certificate in Renaissance Studies, and page 33 for information about the center.

Southeast Asian Studies. See page 309 for information about the Certificate in Southeast Asian Studies.

Transportation Systems. See the *Graduate Catalog* for information on the Certificate in Transportation Systems.

Women's Studies. See page 309 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 310-311 and 368-370, 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.

Concurrent and Dual Degrees Offered at ASU Main

Concurrent or Dual Degrees	Administered by
Juris Doctor/Master of Health Services Administration	College of Law/School of Health Administration and Policy
Juris Doctor/Master of Science in Economics*	College of Law/Department of Economics
Juris Doctor/Doctor of Philosophy in Justice Studies	College of Law/Committee on Law and Social Sciences
Master of Business Administration/Juris Doctor	College of Business/College of Law
Master of Business Administration/Master of Accountancy	College of Business
Master of Business Administration/Master of Architecture	College of Business/School of Architecture
Master of Business Administration/Master of Health Services Administration	College of Business
Master of Business Administration/Master of International Management	College of Business/American Graduate School of International Management (Thunderbird) or Groupe Ecole Supérieure de Commerce Toulouse, France, or Universidad Carlos III de Madrid, Spain
Master of Business Administration/Master of Science in Economics	College of Business
Master of Business Administration/Master of Science in Information Management	College of Business
Master of Business Administration/Master of Taxation	College of Business
Master of Science in Engineering (Industrial Engineering)/Master of International Management of Technology	Department of Industrial and Management Engineering/American Graduate School of International Management (Thunderbird)
Master of Science in Justice Studies/Master of Arts in Anthropology	School of Justice Studies/Department of Anthropology
Master of Science in Nursing/Master of Health Services Administration	College of Nursing/School of Health Administration and Policy

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

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 WICHE, qualified Arizona residents may attend schools in other western 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.

Bachelor of Interdisciplinary Studies

Division of Undergraduate
Academic Services
602/965-4464

INTERDISCIPLINARY STUDIES— B.I.S.

The Bachelor of Interdisciplinary Studies (B.I.S.) is a university-wide program intended for the student who has academic interests that might not be satisfied with existing majors. Building on two academic areas of interest (emphasis areas) and an interdisciplinary core, students in the B.I.S. are expected to take an active role in creating their educational plan and defining their vocational goals. The B.I.S. emphasizes versatility and problem solving, skills desired in a changing workplace environment. Self-assessment and appraisal of opportunities to support academic and career goals are key elements in the core courses. The empha-

sis areas are based on approved academic minors and certificate programs and should represent academic interests which the student wishes to integrate into a meaningful program.

Students interested in pursuing the B.I.S. degree should contact Cross-college Advising Services (CAS) in UASB 131, 965-4464, to attend an informational session conducted by an academic advisor.

The combination of emphasis areas gives students greater flexibility in creating a unique program to accomplish individualized academic goals. Combinations created by current students illustrate a range of possibilities:

American humanics certificate program and theatre
business and communication
business and environmental resources
communication and sociology
dance and exercise science
economics and Spanish
environmental resources and geology
justice studies and political science
psychology and women's studies
religious studies and anthropology

Basic Requirements

The B.I.S. requires 120 semester hours. The major is composed of a 12-hour core (see "Core Courses") and a minimum of 36 semester hours in two emphasis areas (18 hours each). Throughout the core sequence, the student will assemble a portfolio including self assessment on progression toward career goals, and an evaluation of key education and personal activities that may apply.

Core Courses

BIS	301	Foundations of Interdisciplinary Studies	3
BIS	302	Interdisciplinary Studies	3
BIS	401	Interdisciplinary Practicum	3
BIS	402	Senior Seminar	3
Total			12

Other Requirements

In addition to the basic requirements, students must also complete all university requirements, including English Composition and General Studies. Early advising is recommended to facilitate selecting courses that may apply to both the University General Studies requirements and the emphasis areas.

Declaring the B.I.S. major. Academic advising from Cross-college Advising Services is required before being approved to declare the B.I.S. In addition, the following requirements must be completed by the end of the semester of the request:

1. 45 semester hours of college credit;
2. cumulative G.P.A. of 2.00;
3. selection of two areas of emphasis, with a minimum of two courses (minimum grade of "C") completed or in progress in each emphasis area. Approval of each department is required; and
4. statement of purpose for seeking a B.I.S. degree.

All incoming students and continuing students with a minimum GPA of 2.00 who do not meet the above requirements will be placed in a pre-BIS major until the requirements have been met.

Approved Emphasis Areas

Each emphasis area requires 18 semester hours, of which 12 hours must be at the upper division. They are based on existing minors or certificate programs (see colleges for specific minors or certificate programs). Emphases based on minors with fewer than 18 hours will have additional semester hours required. Complete information on each emphasis is available in CAS, UASB 131.

College of Architecture and Environmental Design

Environmental resources*
Urban planning*

College of Business

Business
International business studies
Small business and entrepreneurship

College of Fine Arts

Dance
Music
Theatre

College of Liberal Arts and Sciences

Anthropology
Asian languages (Chinese/Japanese)
Asian studies
Astronomy
Biology
Chemistry and biochemistry
Chicana and Chicano studies
East Asian studies
Economics (for students planning a career in law)

* Contact the department or school.

English
 Exercise science/physical education
 Family resources and human
 development
 French
 General economics
 Geology
 German
 History
 Interdisciplinary humanities
 Italian
 Jewish studies
 Latin American studies
 Mathematics
 Microbiology
 Philosophy
 Physics
 Plant biology
 Political science
 Psychology
 Religious studies
 Russian
 Russian and East European studies
 Sociology
 Spanish
 Translation
 Women's studies

College of Public Programs

American humanics/youth agency
 administration
 American Indian justice studies
 Communication
 Justice studies*
 Mass communication
 Recreation management*
 Tourism*

Interdisciplinary Programs

Gerontology

**BACHELOR OF INTERDISCIPLINARY
 STUDIES (BIS)**

**BIS 301 Foundations of Interdisciplinary
 Studies.** (3) F, S, SS

Analysis of 21st-century workplace, introduc-
 tion of critical thinking skills, interdisciplinary
 methods. Includes autobiographical self-study
 and education plan. Lecture, seminar, discus-
 sion.

BIS 302 Interdisciplinary Studies. (3) F, S,
 SS

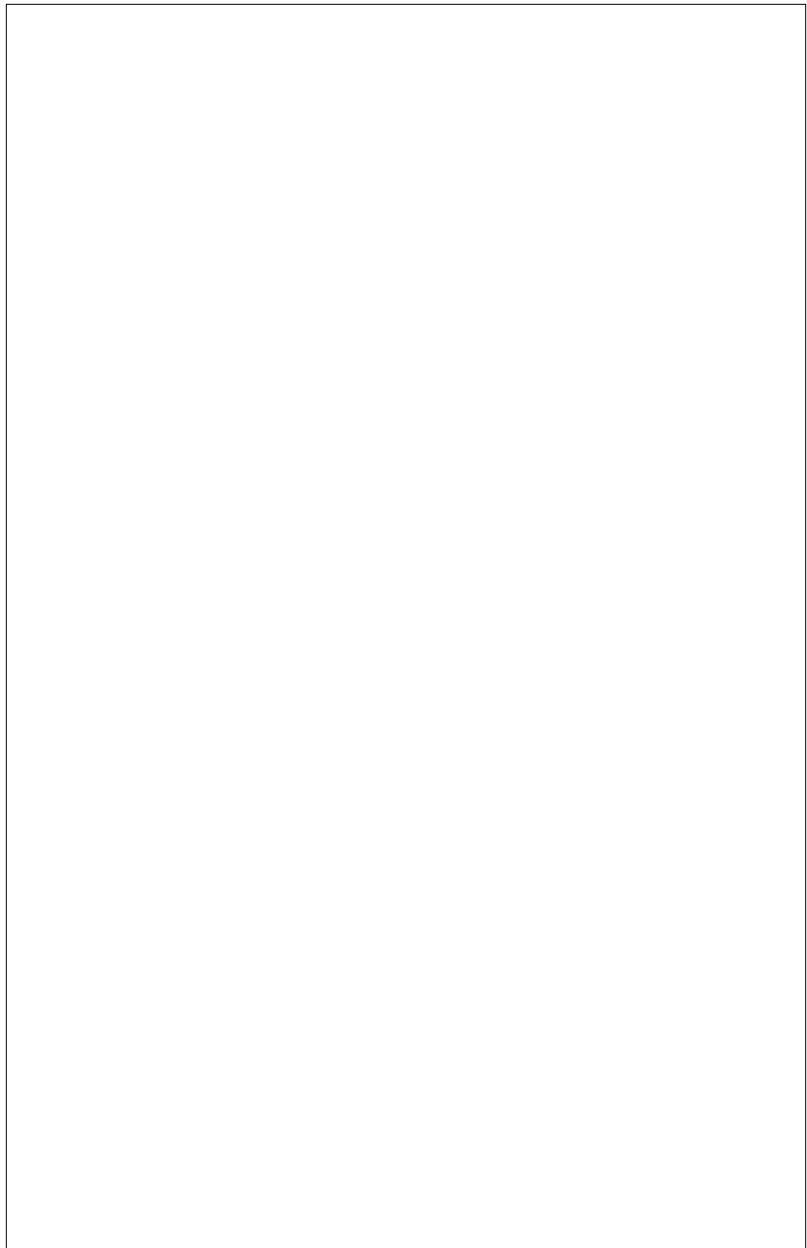
Development of general learning skills and in-
 terdisciplinary thinking. Lecture, seminar, dis-
 cussion.

BIS 401 Interdisciplinary Practicum. (3) F,
 S, SS

Further development of general learning skills
 and interdisciplinary thinking. Lecture, semi-
 nar, discussion.

BIS 402 Senior Seminar. (3) F, S, SS

Students select capstone activity (independ-
 ent research, senior thesis, internship, com-
 munity service, etc.). Lecture, seminar, dis-
 cussion. *General Studies: L2.*



Old Main is home to the university's ROTC programs.

Tim Trumble photo

* Contact the department or school.