2005–2007 Undergraduate Catalog

COLDEN LIBRARY



Portales, New Mexico 88130 (505) 562-1011 http://www.enmu.edu

A Message from the President:

Welcome to Eastern New Mexico University. At Eastern, we are committed to helping you realize your intellectual potential, and we will provide you with an exceptional education which can truly make a difference in your life.

The University provides a strong liberal arts educational experience which incorporates a traditional learning environment with 21st century technology. While Eastern offers a complete student life experience, we also provide distance learning opportunities with a strong teaching/learning focus. We are committed to providing quality education in and out of the classroom to prepare students for their careers, for advanced studies and for becoming productive citizens. Eastern also provides social, artistic and athletic activities. We encourage students to become involved and active in campus life and governance, and hope you will take advantage of all the opportunities the University has to offer. We are very happy to have you as a member of the Eastern New Mexico Community.

Un mensaje del Presidente:

Bienvenidos a Eastern New Mexico University. En ENMU, nos comprometemos a ayudarles a realizar su potencial intelectual, y nosotros les facilitaremos una educación excepcional, la cual puede hacer una verdadera diferencia en su vida.

La Universidad proporciona una sólida preparación académica basada en las humanidades, que incorpora un ambiente tradicional de aprendizaje con los avances tecnológicos del siglo veintiuno. A la vez que les brindamos una experiencia completa que abarca de una manera holística todos los aspectos de la vida estudiantil, también ofrecemos oportunidades de aprender a larga distancia, todas las cuales mantienen un fuerte enfoque en el proceso de enseñanza y aprendizaje. Nos empeñamos en aportarles una educación de alta calidad, tanto dentro como fuera del salón de clase, con fines de prepararles a nuestros alumnos para sus carreras profesionales, para continuar con estudios de posgrado y para desarrollarse como ciudadanos productivos. Además, ENMU patrocina actividades y eventos sociales, artísticos y deportivos. Alentamos a nuestros estudiantes a involucrarse activamente en la vida universitaria y en la administración del gobierno estudiantil, y esperamos que Uds. se aprovechen de todas las oportunidades que ofrece la Universidad. Nos alegramos por tener a Uds. como integrantes de la comunidad de Eastern New Mexico University.

Steven J. Danble

Accreditation and Affiliations

Eastern New Mexico University is accredited by The Higher Learning Commission and is a member of the North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, http://www.ncahigherlearningcommission.org (800) 621-7440. In addition, specific programs within the University hold accreditations by the following: the American Speech Language and Hearing Association, the National Council for Accreditation of Teacher Education, and the Association of Collegiate Business Schools and Programs. Eastern New Mexico University is an accredited institutional member of the National Association of Schools of Music. The chemistry program is approved by the American Chemical Society as meeting the Society's program criteria. Eastern's geology program is recognized by the American Institute of Professional Geologists as meeting/exceeding guidelines for undergraduate programs in geology. The Bachelor of Science in Nursing Completion Program is accredited by the National League for Nursing Accrediting Commission, Inc. (NLNAC).

Memberships

The University is a member of the American Association of Colleges for Teacher Education, the American Association for Higher Education, the American Association of State Colleges and Universities, the Association of American Colleges and Universities, Council of Graduate Schools, the North American Association of Summer Sessions, and the Western Association of Graduate Schools. The University is designated as a Hispanic Serving Institution by the United States Department of Education; a full member of the Hispanic Association of Colleges and Universities, and a Carnegie/ Ford/AAC&U "Greater Expectations" best practices institution. The College of Business is a member of the American Assembly of Collegiate Schools of Business.

Title IX Statement

Eastern New Mexico University is an affirmative action and equal opportunity employer. The University does not discriminate on the basis of age, race, color, national origin, sex or disability in its programs, activities or employment. Persons seeking additional information about the University's nondiscrimination policy should contact the Director of Human Relations/Affirmative Action Officer, ENMU Station 2, 1500 S Ave K, Portales, NM 88130.

Release of Student Information Policy

If a student fails to maintain his/her financial obligation to the university or violates non-academic regulations, ENMU may withhold transcripts and statements of student status. Also see the "Family Privacy Act" information on Page 11 of this catalog.

Since programs, policies, statements, fees, University calendar dates and/or courses contained herein are subject to continuous review and evaluation, the University reserves the right to make changes at any time, through appropriate administrative procedure, without prior notice.

The information contained within this catalog is a description of programs and courses active at the time of publication. The catalog is not intended to be construed as contractual in nature.

Table of Contents

University Accreditation	
University Calendar	4
About Eastern New Mexico University	5
Admissions	8
Tuition and Fees	13
Financial Aid	15
Scholarships	16
Student Services and Activities	17
Academic Regulations	22
Degree Programs	32
General Degree Requirements	32
Academic Abbreviations	34
Associate Degree General Education Requirements	35
General Education Requirements	36
College of Business	38
College of Education and Technology	42
Teacher Education	43
Teaching Degree General Education Requirements	45
Curriculum and Instruction	46
Educational Studies	47
Family and Consumer Sciences and Agriculture	49
Health and Physical Education	55
College of Fine Arts	58
Art	59
Music	62
Theatre and Dance	65
College of Liberal Arts and Sciences	67
Anthropology and Applied Archaeology	69
Biology	70
Communicative Arts and Sciences	74
Communicative Disorders and Nursing	77
History and Humanities	80
Interdisciplinary Programs	82
Languages and Literature	86
Mathematical Sciences	88
Physical Sciences	92
Religion	98
Social and Behavioral Sciences	99
Course Descriptions	105
University Organization	150
Administration	151
Faculty and Professional Staff	153
Index	161
University Map	166

Editors:	Reneé Neely
	Liz Wooley
	Lisa Gregory
	Jennifer Poyer
Copy Preparation:	Liz Wooley
Cover Preparation:	Dave Ortega

University Calendar

Fall 2005

Fall 2	0	0	6
--------	---	---	---

Summer 2007

Commencement	Dec. 16 (Sa)
Last day of semester	Dec. 15 (F)
Final exams	Dec. 9–15 (Sa–F)
Last day of instruction	Dec. 8 (F)
Thanksgiving recess	Nov. 23–24 (R–F)
Spring registration for currently enrolled students begins	Nov. 5 (Su)
Last day to withdraw from a class or from the University	Nov. 3 (F)
Assessment Day	Oct. 25 (W)
Second eight-week classes begin	Oct. 23 (M)
Midterm exams	Oct. 16-20 (M-F)
Last day to withdraw from first eight-week classes	Sept. 22 (F)
Last day to apply for fall graduation and commencement	Sept. 15 (F)
Registration canceled for non-payment	Sept. 5 (T)
Labor Day (classes canceled)	Sept. 4 (M)
Late registration and drop/add	Aug. 28–Sept. 1 (M–F)
Instruction begins	Aug. 28 (M)
	Late registration and drop/add Labor Day (classes canceled) Registration canceled for non-payment Last day to apply for fall graduation and commencement Last day to withdraw from first eight-week classes Midterm exams Second eight-week classes begin Assessment Day Last day to withdraw from a class or from the University Spring registration for currently enrolled students begins Thanksgiving recess Last day of instruction Final exams Last day of semester

Spring 2006

Jan. 16 (M)	Martin Luther King Jr. Day	Jan. 15 (M)
Jan. 17 (T)	Instruction begins	Jan. 16 (T)
Jan. 17-20 (T-F)	Late registration and drop/add	Jan. 16–19 (T–F)
Jan. 24 (T)	Registration canceled for non-payment	Jan. 23 (T)
Feb. 3 (F)	Last day to apply for spring graduation and commencement	Feb. 2 (F)
Feb. 10 (F)	Last day to withdraw from first eight-week classes	Feb. 9 (F)
Feb. 20 (M)	President's Day (classes canceled)	Feb. 19 (M)
Mar. 6–10 (M–F)	Midterm exams	Mar. 5–9 (M–F)
Mar. 13 (M)	Second eight-week classes begin	Mar. 12 (M)
Mar. 24 (F)	Last day to withdraw from a class or from the University	Mar. 23 (F)
Mar. 27–Apr. 2 (M–Su)	Spring Break	Mar. 26–Apr. 1 (M–Su)
Apr. 5 (W)	Assessment Day	Apr. 4 (W)
Apr. 9 (Su)	Fall/Summer registration for currently enrolled students begins	Apr. 8 (Su)
Apr. 11 (T)	Student Research Conference and Scholarship and Department Awards	Apr. 10 (T)
	(classes dismissed from 12:30-5 p.m.)	
May 5 (F)	Last day of instruction	May 4 (F)
May 6–12 (Sa–F)	Final exams	May 5–11 (Sa–F)
May 12 (F)	Last day of semester	May 11 (F)
May 13 (Sa)	Commencement	May 12 (Sa)

Summer 2006

June 5–30	First four-week session	June 4–29
June 5–July 28	Eight-week session	June 4–July 27
June 5-7 (M-W)	Late registration and drop/add for first four-week and eight-week classes	June 4-6 (M-W)
June 7 (W)	Last day to withdraw from first four-week classes	June 6 (W)
June 16 (F)	Last day to apply for summer graduation	June 15 (F)
June 29-30 (R-F)	Final exams for first four-week session	June 28–29 (R–F)
June 30 (F)	Last day to withdraw from eight-week classes	June 29 (F)
July 3 (M)	Registration and first day of class for second four-week session	July 2 (M)
July 3-6 (M-R)	Late registration and drop/add for second four-week classes	July 2–5 (M–R)
July 3–28	Second four-week session	July 2–27
July 4 (T)	Independence Day (classes canceled)	July 4 (W)
July 14 (F)	Last day to withdraw from second four-week classes	July 13 (F)
July 22 (Sa)	Independence Day holiday make-up class for second four-week session	July 21 (Sa)
July 27-28 (R-F)	Final exams for second four-week session and eight-week session	July 26-27 (R-F)

About Eastern New Mexico University

The Mission

Eastern New Mexico University combines a traditional learning environment with 21st century technology to provide a rich educational experience. Eastern emphasizes liberal learning, freedom of inquiry, cultural diversity and whole student life. Excellent teaching and active learning define campus relationships. Scholarship, both primary and applied, cultural enrichment, and professional service are also important contributions of the university community.

ENMU, a state institution offering bachelor's and master's degrees, serves students from New Mexico, other states and other nations. Educational programs are offered at the Portales campus and also by interactive distance education, public broadcast television, and branch/community colleges in Roswell, New Mexico, and Ruidoso, New Mexico.

Eastern's Focus

- · Prepare students for careers and advanced study.
- · Impart citizenship and leadership skills and values.
- Support and expand the role of education and excellent teaching at all levels.
- Enable citizens to respond to a rapidly changing world.

Vision Statement

Eastern New Mexico University has been a respected center of learning for its region and the state since 1934 and continues to build on its rich heritage. The following Vision Statement conveys what Eastern New Mexico University desires to become:

The University mission is based on the concept of student success, and the people of the University provide student-centered academic and extracurricular programs to fulfill this mission. The institution recognizes the global nature of society and is committed to educating students on both the undergraduate and graduate level to be productive citizens with successful careers and fulfilling lives.

The ENMU students pursue challenging academic goals and engage in stimulating classroom experiences, and the University emphasizes individual academic advising and career counseling. Students, faculty, and staff engage in intellectual dialog and debate in a collegial environment. In addition, faculty and students are engaged in meaningful research activities to further the academic priorities. The University continues to produce alumni who are good citizens and contributors to society and who can compete with graduates of other institutions.

The Eastern community envisions a university where each faculty and staff member instills in one another and in the students a sense of social and cultural awareness and responsibility. The University accomplishes this by embracing ethnic, racial, and cultural diversity as a core value and by actively building greater diversity among students, faculty, and staff. This environment facilitates personal and social growth for all members of the University community.

The students are mentored by well-qualified and caring faculty and staff who treat one another with respect and work together to accomplish institutional goals. The faculty and staff pursue professional development opportunities to enhance their skills and knowledge to improve the campus-learning environment and to create greater efficiencies and productivity within the University. Members of the Eastern New Mexico University community understand that education is a dynamic process and requires strategic planning, meaningful assessment, and thoughtful strategic decisionmaking. This process has the input of all of the University members in order to facilitate continuous improvement.

The Friends of Eastern Foundation provides exceptional funding for scholarships and program enhancements, and the Alumni Association actively supports the institutional goals. Additionally, the University has a supportive and collaborative relationship with the communities it serves.

By realizing this vision of excellence, Eastern New Mexico University continues to serve the region as a center of higher education and life-long learning, providing educational opportunities for an expanding spectrum of learners.

Strategic Planning

The university strategic plan is updated annually, allowing the institution to examine its goals and objectives, to use institutional data for informed decision-making, and to address the needs of ENMU students and constituencies. ENMU's strategic plan for 2004–2007 is driven by three strategic goals:

- Goal 1. Re-envision ENMU's academic culture to advance student success.
- Overarching Objective: Place student learning at the center of every institutional action and activity.
- Goal 2. Attract an increasingly diverse student body and enhance students' successful progress toward their academic and personal goals.
- Goal 3. Build effective collaborations on campus and with community, business, and educational partners to further the goals of our institution, region, and state.

For more information on the Eastern New Mexico University Strategic Plan, contact the Office of Planning and Analysis by mail at ENMU Station 2, 1500 S Ave K, Portales, NM or by phone at (505) 562-2315.

History

Although the youngest state university in New Mexico, ENMU looks with pride upon the accomplishments since the dream of having a university in eastern New Mexico first arose many decades ago.

The Legislature of 1927 located the University in Portales, and the Legislature of 1929 approved the first appropriation for buildings. Although the first building was constructed in 1931, Eastern's doors were not opened to students until 1934.

The institution operated as a two-year college from 1934 to 1940 when the third and fourth years of college were first offered. ENMU was accredited by the North Central Association of Colleges and Secondary Schools as a four-year liberal arts college in 1946–47. Graduate work leading to the master's degree was added in 1949, and ENMU is also accredited by the National Council for Accreditation of Teacher Education.

Established in 1948, ENMU-Roswell moved to its present facility (formerly Walker Air Force Base) in the fall of 1967. ENMU-Roswell offers a wide variety of programs for students of eastern New Mexico.

The ENMU-Ruidoso Off-Campus Instruction Center opened in 1991. The Center offers both an academic and a vocational curriculum.

Location and Resources

The ENMU main campus of more than 400 acres is located in Portales on the extreme eastern side of the state, about halfway between the northern and southern boundaries. It is 90 miles northeast of Roswell, 120 miles southwest of Amarillo, Texas, and 120 miles northwest of Lubbock, Texas.

Portales, the county seat of Roosevelt County, has an elevation of about 4,000 feet and a population of about 12,800. The climate is considered one of the best in the United States. The winters are dry and mild, and the summers are pleasant with cool nights. Like most of the Southwest, Portales enjoys bright sunshine all year. Daytime high temperatures in summer are in the 90s, while winter lows are in the 20s. Annual precipitation is about 16 inches, most of which comes in summer thunderstorms.

The valley in which Portales is located is a fertile area excellent for farming and ranching. The entire eastern part of the state produces crops such as Valencia Peanuts, wheat, grain sorghum, corn, alfalfa, Irish and sweet potatoes and cotton. Dairy, swine and cattle production are principal industries in the county. Petroleum-related industries, grain alcohol distilling, soft drink canners, grain storage and shipping and trucking are also present in Roosevelt County.

Eastern New Mexico has an interesting and romantic history, including highly significant archaeological aspects. One of the world's most important Paleoindian archaeological sites lies on the plains of eastern New Mexico just seven miles north of Portales. An abundance of artifacts has been found in this area, and it is the consensus of archaeologists that these discoveries tell of life 11,000 to 11,670 years ago. In connection with this area, known as Blackwater Draw Locality No. 1 site, ENMU operates and maintains both the Blackwater Draw National Historic Landmark and the Blackwater Draw Museum. Students learn aspects of museums, museum work, museum studies, archaeology and anthropology through experiential work here. Eastern also houses the Roosevelt County Museum, the Fred Miles Geological and Archaeological collection, and a natural history museum.

The physical plant of the ENMU Portales campus has approximately 84 buildings and structures centered about a pedestrian mall. Scientific research activities are conducted in Roosevelt Hall where both transmission and scanning electron microscopes are available for use by faculty and students.

ENMU's Broadcast Center houses three 100,000-watt stations — KENW-TV (Channel 3), KENW-FM (89.5), and KMTH-FM (98.7). Communication majors have hands-on experience in the operation of the stations and work closely with the professional staff. KENW-TV provides both entertaining and educational programming to the general public and to area public schools. The Instructional Television Fixed Service (ITFS) in the center provides college-level classes via closed-circuit cable TV to locations in Clovis, Cannon Air Force Base, Hobbs, Roswell and Ruidoso. The Broadcast Center also maintains a closed-circuit cable system capable of delivering multi-channel video material into each classroom on campus. In addition to the Broadcast Center, a student-operated radio station is located on campus.

Golden Library, with a collection of books, videos, CDs and United States and New Mexico government documents, serves as a resource to the entire region. Automation and networking agreements provide access to many journals and to the resources of most of the world's libraries. The library computer lab provides students with wordprocessing and presentation software as well as Internet access. Special Collections contains the University Archives, historical photographs, oral histories and the world-famous Jack Williamson Science Fiction Library. This library features the books, magazines and manuscripts of resident science fiction writer Jack Williamson, as well as the works of other authors. Golden Library is the repository for the papers of New Mexico's Congressman Harold Runnels. The Library houses over 300 works of art and is used as a laboratory for students learning to mount exhibits and operate an art gallery.

The University Theatre Center houses a 420-seat proscenium theatre and a 250-seat experimental theatre space. Next to it is the University Computer Center, a newly-developed facility with modern student computer labs and technologically equipped classrooms.

Distance Education

ENMU has been a pioneer in distance education with approximately 30 years of experience in alternative delivery systems for educational programs. ENMU began a distance education program by offering courses in other communities in 1957 and in 1978 began offering instruction through educational television. Today, programs are offered in a variety of communities in southeast New Mexico primarily through interactive instructional television but also by ENMU faculty who drive to distant sites and via the Internet. Programs feature a variety of delivery mechanisms, both across programs and within courses, depending on the nature and content of individual courses.

Currently the most extensive outreach effort involves ENMU's interactive instructional television with approximately 65 courses offered each semester. Interactive instructional television has created a network of classes in communities in the southeast part of New Mexico connected to a classroom on campus. The instructional television program provides one-way video and two-way audio connection to live classes offered on the Portales campus, allowing students the opportunity to participate in class discussions and activities with students at other sites. Through this system, students can pursue degrees or certificates. Faculty who teach on the instructional television system are highly qualified tenure-track and tenured faculty who have been trained to teach in this environment. ENMU's interactive instructional television system uses a trained facilitator at each receive site to assist the faculty member and students. ENMU's commitment to extended learning is campuswide. Golden Library provides extensive electronic and human support to extended learning students. Campus services, such as advising, financial aid and other support services, are also available.

As part of its commitment to serving the needs of the citizens of New Mexico, ENMU continues to explore new technologies, such as offering courses on the Internet. Further, ENMU supports the "Principles of Good Practice for Electronically Offered Academic Degree and Certificate Programs" of the Western Interstate Commission for Higher Education. These efforts continue a tradition of service to students and communities in New Mexico. For an update on ENMU's distance education offerings, check the Web at www.enmu.edu.

ENMU-Roswell

Established in 1958, Eastern New Mexico University-Roswell is a dynamic, academic and career oriented university. The ENMU-Roswell campus offers 70 certificates and degrees in 41 academic and career/technical programs. Each semester, ENMU-Roswell provides a variety of educational opportunities to close to 10,000 students through a variety of credit and non-credit classes and numerous community partnerships. Selected bachelor's and master's level degree programs are also available through the main campus in Portales. More than 60 upper division and graduate level courses are offered at ENMU-Roswell each semester through ENMU's Interactive Instructional Television System and on-site instruction. A full range of career advising services are available, in addition to a customized training program (Center for Workforce and Community Development) for business and industry, and a unique program for students with disabilities. Close to 100 courses are also taught online

each semester and ENMU-Roswell also offers complete online Associate of Arts degrees in University Studies and Criminal Justice. An online Associate of Applied Science degree is also available in Computer Application Systems.

Accreditation

ENMU-Roswell is accredited as an operationally separate campus by The Higher Learning Commission and is a member of the North Central Association of Colleges and Schools. Extended degree courses offered on the Roswell Campus are accredited through the main campus in Portales.

Further information regarding ENMU-Roswell and catalogs can be obtained from the Office of Admissions, ENMU-Roswell, P.O. Box 6000, Roswell, NM 88202-6000, (505) 624-7149. Toll-free: 1-800-243-6687. www.roswell.enmu.edu

ENMU-Ruidoso

Established in fall 1991, ENMU-Ruidoso is a "limited" community college offering a two-year academic and vocational curriculum. Academic course work completed in the Ruidoso campus will be fully transferable to ENMU-Portales. The campus focuses on courses leading to the Associate of Arts degress with majors in business, child development, general studies, studio art and psychology; and Associate of Applied Science in selected vocational majors. The center also offers basic skills courses and some certification programs. Adult basic education, adult literacy and community education courses are also offered, as well as the GED examination and several industry standard computer licenses.

Graduate School

Graduate study was instituted at ENMU in 1948 and has been accredited since 1953. Graduate degrees are offered with majors in the following:

- Anthropology
- Biology (with emphases in Applied Ecology; Botany; Cell, Molecular Biology and Biotechnology; Education; and Zoology)
- Business Administration
- Chemistry (with emphasis in Analytical, Biochemistry, Inorganic, Organic, Physical Chemistry)
- Communication
- Communicative Disorders (with an emphasis in Speech-Language Pathology)
- Counseling
- Education (with emphases in Bilingual Education, Education Administration, Educational Technology, Elementary Education, English as a Second Language, Pedagogy and Learning, Reading/Literacy, Secondary Education)
- English
- Mathematics
- Physical Education (with emphases in Sport Administration and Sport Science)
- School Guidance
- Special Education

In addition, the following disciplines offer graduate courses: accounting, agriculture, art, computer information systems, computer science, economics, family and consumer sciences, finance, French, geography, geology, Greek, Hebrew, history, humanities, management, marketing, music, music education, philosophy, physical sciences, physics, political science, psychology, religion, sociology, Spanish, statistics, technology education, theatre, and vocational education.

The programs of study have been carefully selected to serve the purpose of two distinct groups of post-baccalaureate students: (1) those who wish to study for various masters degrees, and (2) those who wish to pursue graduate work without intending to apply credits toward an advanced degree. All inquiries regarding admission to the Graduate School or requests for Graduate Catalogs should be addressed to the Graduate School, ENMU Station 24, 1500 S Ave K, Administration Building; Room 216, Portales, NM 88130, phone (505) 562-2147.

Center for Teaching Excellence

The ENMU Center for Teaching Excellence aims to improve the practice of education in New Mexico. The center strives to identify and encourage effective teaching practices and educational programs statewide. To this end, the center promotes the widespread application of research on teaching excellence through efforts to secure, develop, coordinate, and administer resources and programs to support exemplary teaching at all levels. This is accomplished through action research grants, professional development grants, university collaborator grants, university-initiated project grants and effective university instruction research grants.

The center systematically links the statewide expertise of university faculty in research, content areas, assessment, and dissemination with the expertise of innovative, caring public school educators who are motivated to make a difference for New Mexico students. Materials on topics relevant to improving instruction in grades K–12 and higher education are available and can be checked out. For further information contact the Center for Teaching Excellence, ENMU Station 11, 1500 S Ave K, Technology Building; Room 115, Portales, NM 88130, phone (505) 562-2266 or fax (505) 562-2546.

New Mexico Educational Software Clearinghouse

The New Mexico Educational Software Clearinghouse was established in 1995 to collect and display educational software in support of school teachers in Eastern's service region. This clearinghouse, supported through funds from ENMU, is housed in the Center for Teaching Excellence, Technology building, Room 115. Current holdings exceed 250 programs. The clearinghouse has placed special emphasis on collecting software useful in teaching students with limited English skills and other special needs students. In 1996, Edmark®, publishers of a line of educational programs, authorized the clearinghouse as one of its official software review sites. As a review site, the clearinghouse receives all of Edmark's award-winning software for display. Students and teachers with a valid ENMU ID can now check out materials for review Monday–Friday from 8am– 5pm. The clearinghouse also houses educational movies and some computer and statistical software.

Admissions

Application

Any new or former student wishing to attend Eastern New Mexico University must complete an application for admission. The high school senior planning to apply for financial aid and admission to ENMU for a fall semester should apply for admission in early spring. The application may be obtained by writing to the Office of Enrollment Services, ENMU Station 7, 1500 S Ave K, Student Academic Services Building, Room 107, Portales, NM 88130; by calling toll-free (800) FOR-ENMU (367-3668); or by visiting the Web site at www.enmu.edu/apply.

A student misrepresenting or failing to disclose information in the completion of the admission form will be subject to disciplinary action and possible dismissal from the University.

Application Procedures

The degree-seeking applicant must have the following materials on file in the Office of Enrollment Services to clear the applicant for registration.

1. **Transcript(s)** — Applicants must have an official transcript or transcripts sent directly to the Office of Enrollment Services. Any student who has not attended college or has completed fewer than 30 semester hours of college work must have a high school transcript sent. Anyone who has attended one or more colleges must have transcripts sent from each school.

Official transcripts are those sent directly by an official of the high school and/or college(s) to the ENMU Office of Enrollment Services. The University cannot accept copies of transcripts in a student's possession.

2. Test Scores — Any new applicant who has completed fewer than 30 semester hours of college work must have an ACT/SAT or equivalent (as determined by the institution) assessment on file before he/she can register. High school students should take either examination before completion of their senior year and request that the scores be reported to ENMU.

An applicant who has not graduated from high school (see Admission Requirements, Page 10) must take the General Education Development (GED) examination and meet or exceed New Mexico standards of successful completion. The GED applicant must also complete the ACT/SAT or equivalent as indicated above.

High School Core Requirements

Academic success in college is directly related to the student's preparation in high school. A particular core of knowledge is expected of college entrants and is essential to realizing the student's greatest possible potential in the collegiate experience. Eastern New Mexico University **strongly recommends** the following high school core (of regular or accelerated courses) for applicants:

- English four years
- Science two years
- Mathematics three years
- Social Studies two years

Transfer Students

- 1. **Admission** A transfer student who has been disqualified for registration at another college or university will not be considered for admission to ENMU until a suspension period has been completed. A first suspension requires that a student be out one regular semester (excluding summer). A second suspension requires that the student be out for two regular semesters before admission can be considered.
- 2. **Catalog of Record for Transfer Students** Any ENMU undergraduate student transferring from any New Mexico two-year institution or cooperating two-year institution accredited by a C.H.E.A.-recognized agency, has the option to select the ENMU catalog in effect during the student's initial college enrollment, provided the ENMU enrollment is within six years of his/her initial college enrollment. (Refer to Catalog of Record section on Page 22.)
- 3. Data Entry of Transfer Credit The University's Office of Enrollment Services enters academic work completed elsewhere. The acceptance of transfer credits by the University does not guarantee that these hours will satisfy requirements in a specific major or minor. To determine how transfer credits count toward degree requirements, the student must consult a faculty advisor and the college (College of Business, College of Education and Technology, College of Fine Arts, College of Liberal Arts and Sciences) must approve the course(s) for use in the major or minor. The student should contact his/her Records Clerk for more information. Grades of "D" cannot be used to meet requirements for a major or minor.

Quarter-hour credits are converted to semester-hour equivalents when entered by the Office of Enrollment Services. One quarter-hour is equal to two-thirds of a semester hour.

4. **Grade Point Calculation** — Transfer grades **will** be calculated for admission requirements, honors for graduation and professional licensing (such as teacher education or professional nursing).

Admission Requirements

	High school graduate or transfer student with fewer than 30 hours of academic college-level course work.	Transfer student with 30 or more hours of academic college-level course work.	Student with GED	Student over 25 with 0 hours of academic college-level course work.			
Regular Admission	Submission of ACT/SAT scores and at least a sixth semester transcript. Final high school grade point average 2.5 or higher in regular or accelerated courses OR ACT of 17 or higher OR SAT of 840 or higher.	College GPA of 2.00 or higher	Successful completion of GED AND ACT of 17 or higher OR SAT of 840 or higher.	Official high school transcript or GED certificate. Submission of ACT/SAT scores for course placement.			
Conditional Admission (limited to first- time freshmen)	An individual wishing to seek a degree but not meeting standards for regular admission may be granted conditional admission on an individual assessment of their combined GPA and ACT/SAT scores. A decision on admissibility will be made by the Office of Enrollment Services within two weeks of receipt of materials.						
Probationary Admission	A student transferring to ENMU with any academic college level course work with a college GPA of less that 2.00 may be admitted on probation. A decision on admissibility will be made by the Office of Enrollment Services within two weeks of receipt of materials.						

- 5. Acceptance of Transfer Credit Credit is accepted for work of a college parallel nature from institutions whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (C.H.E.A.). Courses not of college parallel nature include but are not limited to technical/vocational courses, doctrinal religion courses and basic skills level courses. "D" work will not meet requirements in the student's major or minor areas of study. Accrediting bodies currently recognized by C.H.E.A. are:
 - · Accrediting Association of Bible Colleges
 - Accrediting Association of the Distance Education and Training Council
 - Accrediting Bureau of Health Education Schools
 - Accrediting Commission for Career Schools/Colleges
 of Technology
 - Accrediting Council for Independent Colleges and Schools
 - · Association of Advanced Rabbinical and Talmudic Schools
 - Association of Theological Schools in the United States
 and Canada
 - Middle States Association of Colleges and Schools
 - New England Association of Schools and Colleges
 - Northwest Association of Schools and Colleges
 - Southern Association of Colleges and Schools
 - The Higher Learning Commission, a member of North Central Association of Colleges and Schools
 - Western Association of Schools and Colleges

Credit for work of a college parallel nature from an institution that is a candidate for accreditation by a C.H.E.A. recognized body will be awarded after 15 credit hours are earned at ENMU with a minimum GPA of 2.00. Work completed at an institution not accredited by a C.H.E.A.-recognized body may be validated as outlined in this catalog under "Course Challenging" on Page 27.

All acceptable transfer work from a junior or community college will be recorded as lower division credit.

- Application of Credit To further enhance articulation between all state-supported institutions in New Mexico, Eastern New Mexico University adopts the principle of treating transfer students as native students in the application of credit toward certificate or degree requirements.
- 7. **BBA Degree Transfer Students** Transfer students planning to complete a BBA degree at ENMU should request a College of Business advisor and carefully review the requirements listed on Pages 38–41.

Non-Traditional Students

Students who are 25 years of age or older and have never attended college are admitted regardless of their ACT score. However, they must submit ACT scores prior to registration for course placement purposes. An official high school transcript or GED certificate must be submitted.

Non-Degree Visiting Student Criteria

The non-degree visiting student category is designed to meet the needs of mature, part-time students who do not wish to pursue a degree at this University. Any person wishing to attend ENMU as a non-degree visiting student, who meets the criteria below, may do so by checking non-degree on the application.

- 1. The individual must:
 - a. be a high school graduate **OR**
 - b. have successfully completed the GED and be out of high school a minimum of one year **OR**
 - c. be at least 23 years of age or older.
- 2. The non-degree visiting student is subject to all ENMU policies and regulations governing registration, attendance, academic standing and personal conduct.
- 3. If the individual has previously been academically suspended from ENMU, acceptance in this category will be governed by ENMU Suspension/Probation policy.
- 4. If the individual has previously been suspended from ENMU for disciplinary reasons, acceptance in this category will be governed by the stipulations of that suspension.

A non-degree visiting student may apply to become a degreeseeking student either (1) by completing ENG 102, ENG 104, and six hours of math beginning with MATH 107, with a GPA of 2.00 or greater **OR** (2) by submitting required transcripts, GED or other test scores to the Office of Enrollment Services and meeting the requirements shown above.

The non-degree visiting student may complete as many hours as desired in this category. However, no more than 30 hours earned while in this category may be applied to any ENMU degree.

A non-degree visiting student is not considered admitted and cannot receive student financial aid.

Concurrent Enrollment for Secondary Students

This program allows a select number of high school students to earn college credit at ENMU while still enrolled in high school. The student must complete both an Application for Admission and a Concurrent Enrollment Form (provided by the Office of Enrollment Services) signed by a high school official, the student, and an ENMU admissions official. The concurrent enrollment student wishing to attend ENMU immediately following high school graduation must have transcripts and test scores sent to the Office of Enrollment Services and apply as a degree-seeking student. Guidelines for the program can be obtained by contacting the Office of Enrollment Services.

International Student Admission

An international student on a non-immigrant student F-1 visa may be considered for admission on a full-time basis. All applicants must have an educational background equivalent to that required for United States citizens.

The international student must submit an acceptable statement of ability to meet financial responsibilities prior to attending ENMU and have a TOEFL score of 500 or complete the highest level of an intensive English program for admission consideration. Test score reports, completed application form, complete transcripts of high school and all previous college credit hours, and financial statement are required before evaluation for admission will be made. The applicant must request official transcripts and have testing agencies send scores directly to ENMU. International applicants must have these materials on file with the university 90 days prior to the semester for which application is being made. When these requirements are fulfilled, an I-20 Certificate of Eligibility and a letter of admission will be issued.

All international students will be required to attend a special orientation prior to the student registering.

Mail all documents to the Office for International Student Admissions, ENMU Station 7, 1500 S Ave K, Portales, NM 88130.

Admission Programs for Military Personnel

ENMU has three admission programs designed for military personnel. They are the Active Duty Military program (ADM), Servicemen's Opportunity College (SOC) and the Military Admissions Program (MAP).

The ADM program is designed for Cannon Air Force Base active duty personnel to pursue credit courses without meeting the full requirements for admission to undergraduate study.

The SOC program allows service personnel, their spouse and/ or dependents to complete study interrupted by military obligations. Students in the program may fulfill requirements toward an undergraduate degree by completion of 32 of the final 64 hours in residence.

MAP allows the active duty military student to earn credit at other institutions while pursuing a degree at ENMU. Academic progress is reported to the ENMU Office of the Registrar where the student's official file is maintained. The student retains his/her ENMU academic advisor. All regular admission and degree requirements must be met.

More information and regulations for these programs may be obtained by contacting the Office of Enrollment Services.

Credit for Military Service

Eastern New Mexico University allows credit to United States military personnel on courses and/or military occupational specialties (MOS's) as evaluated by the American Council on Education (ACE) in the *Guide to the Evaluation of Educational Experiences in the Armed Services*. The amount of credit will not exceed 30 semester hours for undergraduates and eight semester hours for graduates. This credit, along with credit by examination (i.e., CLEP, Advanced Placement, ACT, DANTES and course challenging), cannot exceed 32 hours for an associate degree, 50 hours for a bachelor's degree and eight hours for a graduate degree.

Military credit is accepted as elective credit by the Office of Enrollment Services and it is the decision of the individual colleges how the credit may be applied to degree requirements.

Before credit will be considered official, copies of courses completed or MOS rating must be sent directly to the Office of Enrollment Services from a record center.

If the ACE Guide does not have an evaluation of a course completed, and if the course is comparable to a course offered by ENMU, an individual may take a course challenging examination. Active duty military and veterans may secure a waiver of the twohour physical well-being requirement. Guidelines for challenge examinations are stated on Page 27 of this catalog.

Intra-University Change of Campus

A student attending classes at ENMU-Roswell or ENMU-Ruidoso may change to the ENMU-Portales campus. The student should complete a change form at the Office of Enrollment Services at any of the three campuses 30 days in advance of registration on the Portales campus.

Family Education Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act of 1974 (FERPA) is designed to protect the privacy of educational records and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the U.S. Office of Education concerning alleged failures by the institution to comply with the act.

According to FERPA, the institution can release information without written student consent in the following instances:

- 1. School officials with legitimate educational interest.
- 2. Other schools to which a student is transferring.
- 3. Specified officials for audit or evaluation purposes.
- 4. Appropriate parties in connection with financial aid to a student.
- 5. Organizations conducting certain studies for or on behalf of the school.
- 6. Accrediting organizations.
- 7. To comply with judicial order or lawfully issued subpoena.
- 8. Appropriate officials in cases of health and safety emergencies.
- 9. State and local authorities, within a juvenile justice system, pursuant to specific State Law.
- 10. The final results of any institutional disciplinary proceedings for a crime of violence or non-forcible sex offense, if the institution determines that the student committed a violation of its rules or policies with respect to the crime.
- 11. Information to the parent or legal guardian regarding a student's violation of any law or institutional rule or policy governing the use or possession of alcohol or a controlled substance if the student is under 21 and the institution determines that the student has committed a disciplinary violation.

To have directory information withheld, a student must complete the non-disclosure form, which can be obtained and filed at the Office of the Registrar within the first two weeks of the semester. The institution has established the following as Directory Information: name, mailing addresses, telephone numbers, e-mail addresses, date and place of birth, most recent previous school attended, major field of study, classification, dates of attendance, honors awarded, degrees and dates conferred, participation in officially recognized activities and sports, and weight and height of members of athletic teams.

ENMU does not release records from other institutions, such as transcripts, ACT, CLEP, DANTES, GRE, and GMAT scores.

Other information regarding disclosure of student data is available at the Office of the Registrar.

Transfer Among New Mexico Higher Education Institutions

To facilitate transfer of students and course credits among New Mexico's colleges and universities, the state's public institutions of higher education are required to accept transfer courses taken within approved modules of lower-division course work and apply them toward degree requirements. Several transfer guides have been developed through collaboration of New Mexico's public postsecondary institutions, consistent with requirements of state law (21-1B, NMSA 1978). Students enrolling for first-year or second-year study at a New Mexico institution and wishing to prepare for possible transfer into a degree program at another institution are advised to take these courses during their freshman and sophomore years.

Student Responsibility

New Mexico's colleges and universities have collaborated to produce guides to assist students who plan to transfer before completing a program of study. Course modules are designed to help students select courses carefully so that they may transfer with little or no loss of credit. However, planning for effective transfer with maximum efficiency is ultimately the **student's responsibility**. Responsible transfer planning includes early and regular consultation with the intended degree-granting institution to assure that all pre-transfer course work will meet the requirements of the desired degree.

Transferable Lower-Division General Education Common Core

Students enrolling for first-year study who **have not** yet selected either an academic focus or the institution from which they wish to graduate are advised to take courses during the freshman year outlined in the Lower-Division General Education Common Core. For students enrolled at any public institution in New Mexico, the following courses are guaranteed to transfer to any other New Mexico public college or university and apply toward associate and baccalaureate degree program requirements. Students should consult advisors at their current institutions regarding which specific courses fit these categories. Students preparing for careers in engineering, health sciences, or other profession-related fields are advised that some of this course work may not transfer toward General Education Requirements but in most cases will apply toward elective requirements.

Area	I: Communications	
	select 9 sem	ester hours
(a)	College-Level English Composition	3-4 hours
	College-Level Writing (a second course	
(b)	building on the above)	3 hours
(c)	Oral Communication	3 hours
Area	II: Mathematics	
	select 3 sem	ester hours
(a)	College Algebra	3 hours
(b)	Calculus	3 hours
(c)	Other College-Level Mathematics	3 hours
Area	III: Laboratory Science	
	select 8 sem	ester hours
(a)	General Biology, with laboratory	4–8 hours
(b)	General Chemistry, with laboratory	4–8 hours
(c)	General Physics, with laboratory	4-8 hours
(d)	Geology/Earth Science, with laboratory	4-8 hours
(e)	Astronomy, with laboratory	4-8 hours
Area	IV: Social/Behavioral Sciences	
	select 6–9 sem	ester hours
	Economics (macroeconomics or	
(a)	microeconomics)	3 hours
(b)	Introductory Political Science	3 hours
(c)	Introductory Psychology	3 hours
(d)	Introductory Sociology	3 hours
(e)	Introductory Anthropology	3 hours
Area	V: Humanities and Fine Arts	
	select 6–9 sem	ester hours
(a)	Introductory History Survey	3 hours
(b)	Introductory Philosophy	3 hours
	Introductory Course in History, Theory,	
(c)	or Aesthetics of the Arts or Literature	3 hours
T - 4 - 1		4
iotal	to be selected 35 sem	ester hours

Lower-Division 64-hour Transfer Modules

Students who **have** selected a field of study but have not yet selected the college or university from which they wish to earn their baccalaureate degree are advised to take courses during the freshman and sophomore years outlined in one of the Lower-Division 64hour Transfer Modules. For students enrolled at any public institution in New Mexico, these courses are guaranteed to transfer to any New Mexico university and apply toward bachelor's degree program requirements. Students should consult advisors at their current institutions regarding which specific classes fit these categories. Lower-division transfer modules presently exist for:

- Business
- Pre-Engineering
- Biological Sciences
- Social/Behavioral Sciences
- Physical Sciences
- Teacher Education Language Arts, Social Studies and Foreign Language
- Teacher Education Math, Science and Physical Education
- Teacher Education Elementary, Bilingual and Special Education
- Teacher Education Early Childhood Education

Modules for additional areas of study are being developed. Copies of these Transfer Modules may be obtained from the Office of Student Records, the Office of Enrollment Services or electronically from the New Mexico Commission on Higher Education Web site (www.nmche.org/colleges/transfercredits.asp).

Inter-Institutional Transfer Guides and Catalogs

Students who **have** selected a field of study **and/or** the institution from which they wish to graduate are advised to consult the transfer guide or catalog for that institution for more current and detailed advice to guide their course selection. Formal published transfer guides between ENMU and all New Mexico two-year institutions as well as South Plains College in Levelland, Texas are available from the Office of Student Records or from the Office of Enrollment Services. More information, including transfer guides, is available on the University Web site at www.enmu.edu/transfer.

Appeal Procedure

All New Mexico public, post-secondary institutions are required to establish policies and practices for receiving and resolving complaints from students or from other complainants regarding the transfer of course work from other public institutions in the state. If courses are not accepted for transfer to ENMU, the student may appeal this decision by obtaining a catalog description of the transfer course in question and meeting with the department chair of the content area.

Tuition and Fees

Residency Definition for Tuition Purposes

For tuition purposes, a resident is defined as a student who meets each of the requirements before the first day of classes for that term:

- 1. At least 19 years of age
- 2. Financial independence
- 3. Written declaration of "intent"
- 4. Specific overt acts

For more detailed information on the above and other circumstances related to these regulations please contact the Office of Enrollment Services (Student Academic Services Building, Room 107).

Out-of-state tuition is not charged during summer sessions, nor is out-of-state tuition charged to students taking six or fewer semester credit hours during any enrollment period.

Petitions for changes in residency status will be accepted beginning 30 days prior to the semester for which the petition applies. Students are requested to petition prior to registration. The latest date a petition, along with all completed documents and verifications, can be accepted is 21 calendar days after the first day of classes. Petition forms and further information may be obtained from the Office of Enrollment Services (Student Academic Services Building, Room 107).

Tuition and Fees

Tuition is a charge that helps to defray the costs of the education offered at ENMU. Student fees are added to the basic tuition rate to enable ENMU to offer student-related services such as Student Health Services, Student Government, Associated Student Activities Board and other student activities. These fees are mandatory.

Tuition and fees are charged according to the number of credit hours carried by a student; auditors (those enrolled in a course for no credit) pay the same fees as students enrolled for credit. All charges are payable at registration unless arrangements have been made with the Office of Student Accounts. Students who request an installment payment plan must pay one-fourth down of the total charges, with the balance payable in three equal monthly installments. An installment payment plan fee of \$10 will be assessed. Student registration is not complete and enrollment is not official until payment or payment arrangements are made.

It is the student's responsibility to make sure the Office of the Registrar has his/her correct mailing address on file. The University cannot be responsible for cancellation of a student's registration due to mail problems. All tuition and student fee charges as well as course fees and special services fees are subject to change without notice. Tuition and Fee Schedules change according to legislative and/or Board of Regents' action. Up-to-date tuition and fees schedules can be found in the current semester class schedule, online (www.enmu.edu/fees), in the Office of Enrollment Services' publications or by calling (800) 367-3668 (FOR-ENMU), ext. 7.

Withdrawal from the University — Financial Responsibility

Once a student registers, he or she is responsible for the total charges assessed regardless of whether the installment payment plan is used. Refund percentages are applied to total charges assessed and not the amount paid. This means that a student who withdraws before paying all installment plan payments may receive a bill rather than a refund. Not attending classes does not constitute official withdrawal.

Tuition Reduction

A student may be eligible for a senior citizen discount if he/she is 65 or older and a New Mexico resident. The Office of Enrollment Services requires evidence of this. The cost per credit hour up to six hours will be \$5.

Tuition and Student/Course Fee Refund Policy

The refund schedule is based on the first day of the semester, not on the initial class meeting.

- The refund schedule for fall and spring:
- a. Refund of 100% through day 5
- b. Refund of 75% through day 10
- c. Refund of 50% through day 15
- d. Refund of 25% through day 20

Specific dates are published each semester in the class schedule.

Tuition Refund Appeals Procedure

\$ 109.00

\$ 109.00

A withdrawing student must submit a written appeal explaining individual circumstances that would warrant an exception to the published refund policy to the vice president for Business Affairs. The vice president will make the decision to approve or deny the appeal.

Undergraduate Tuition and Fees for 2005-2006N.M. ResidentNon-ResidentStudents carrying 12-18 hours per semester\$1,308.00\$4,086.0Students carrying fewer than 12 or more than 18 hours, per credit hour\$ 109.00\$ 340.50Students carrying six or fewer hours, per credit hour\$ 109.00\$ 109.00

On-Site/ITV, per credit hour

Course Fees				<u>.</u>			-							
	SUBJ	CRS	FEE	SUBJ	CRS	FEE		SUBJ	CRS	FEE	รเ	JBJ	CRS	FEE
	AG	203L	\$10	BIOL	151L	\$10		BIOL	450L	\$30	CO	MM	420	\$25
	AG	204L	\$10	BIOL	152L	\$10		BIOL	475	\$25	CO	MM	422	\$25
	AG	231	\$50	BIOL	207L	\$10		BIOL	504L	\$10	ELH	ED	460	\$100
	AG	301	\$50	BIOL	209L	\$10		BIOL	505L	\$10	ELH	ED	532	\$20
	AG	303	\$50	BIOL	210L	\$10		BIOL	509L	\$30	ELH	ED	535	\$20
	AG	321	\$5	BIOL	214L	\$38		BIOL	510L	\$10	ELH	ED	537	\$20
	AG	331	\$10	BIOL	300L	\$10		BIOL	511L	\$10	FCS	5	213L	\$30
	ANTH	475	\$25	BIOL	301L	\$10		BIOL	515L	\$10	FCS	5	301L	\$15
	ANTH	481	\$200	BIOL	302L	\$10		BIOL	521L	\$52	FCS	5	332	\$30
	ANTH	575	\$25	BIOL	303L	\$10		BIOL	522L	\$30	FCS	5	353L	\$15
	ANTH	583	\$200	BIOL	307L	\$10		BIOL	524L	\$10	GE	JL	475	\$25
	ART	106	\$25	BIOL	341L	\$10		BIOL	525L	\$15	GE	JL	575	\$25
	ART	145	\$50	BIOL	404L	\$10		BIOL	527L	\$25	HP	Ε	220	\$15
	ART	146	\$50	BIOL	405L	\$10		BIOL	530L	\$10	HP	Е	299*	\$15
	ART	210	\$65	BIOL	409L	\$30		BIOL	531L	\$10	HP	Ε	299**	\$10
	ART	231	\$90	BIOL	410L	\$10		BIOL	533L	\$10	*Li	legua	rd Traini	ng
	ART	245	\$50	BIOL	411L	\$10		BIOL	536L	\$10	**V	Vater	Safety T	raining
	ART	246	\$50	BIOL	415L	\$10		BIOL	542L	\$10	MU	JS	***	\$50
	ART	271	\$40	BIOL	420L	\$10		BIOL	550L	\$30	***	priva	ate lessor	is for
	ART	345	\$90	BIOL	421L	\$52		BIOL	560L	\$10	void	æ, pi	ano etc.;	per
	ART	346	\$90	BIOL	422L	\$30		BIOL	575	\$25	crec	lit ho	ur	
	ART	375	\$60	BIOL	424L	\$10		CHEM	475	\$25	PH	YS	475	\$25
	ART	376	\$60	BIOL	425L	\$15		CHEM	575	\$25	PH	YS	575	\$25
	ART	395	\$60	BIOL	427L	\$25		COMM	110L	\$25	SEI)	460	\$100
	ART	396	\$60	BIOL	430L	\$10		COMM	210L	\$25	SEI)	532	\$20
	ART	475	\$60	BIOL	431L	\$10		COMM	220L	\$25	SEI)	535	\$20
	ART	476	\$60	BIOL	433L	\$10		COMM	344	\$25	SEI)	537	\$20
	ART	495	\$60	BIOL	436L	\$10		COMM	412	\$25	SPE	D	445	\$100
	ART	496	\$60	BIOL	442L	\$10								

Special Fees

Child Development Center		
(accident insurance, cost of sna	cks included)	
Time Block		2005-2006
9 a.m.–11:30 a.m.		\$655
8 a.m.–11:30 a.m.		\$915
9 a.m.–12:30 p.m.		\$915
8 a.m.–12:30 p.m.		\$1,180
9 a.m.–3:30 p.m.		\$1,390
8 a.m.–3:30 p.m.		\$1,610
8 a.m.–5 p.m.		\$1,925
Summer S	ession	
9 a.m.–noon		\$200
8 a.m.–5 p.m.		\$430

Examination for course challenging	\$15 per credit hour
Graduation:	
All degrees (diploma)	\$10
Cap and gown	
Associate's/Bachelor's deg	ree \$25
Master's degree	\$45
Second degree	
(conferred at the same time	as the first) \$5
Bindery (master's thesis, project	s, etc.) \$7 per copy
Replacement diploma	\$9
Health and accident insurance:	
U.S. residents (optional)	\$165
International students (mandato	ry) \$194
ID card:	
New	\$25
Replacement of ID card	\$10
Installment payment plan	\$10
Orientation:	
New students under 30 hours	\$95
Transfer students	\$25
Reinstatement	
(late fee for not paying registrati	on on time) \$50

Room and Board

Room rates do not include housing during the recess between fall and spring semesters which includes winter break. Meal plans do not include vacation periods such as Thanksgiving, winter break and spring recess. Meal plans are available to off-campus students at the same rates. Current costs for the various meal plans, room rates and rentals are available from the Office of Housing and Residence Life (Campus Union, Room 108).

Student Delinquent Accounts and Loans

Transcripts and/or other information relating to the University records of any student or former student will not be released or delivered to the student or to any other person, entity or institution until all debts of the student to the University and all of its affiliates have been paid or arrangements satisfactory to the University have been made for payment. This policy is applicable to all debts including, but not limited to, student loans as allowed by law.

Collection Agencies

Following the end of each semester, students who have delinquent account balances may receive a series of itemized statements requesting payment. Failure to receive a bill from ENMU does not relieve the student of the responsibility for payment. If payments or arrangements are not made on a timely basis, the account may be placed with a collection agency. A collection fee will be added to the account. If ENMU obtains judgment from a court of competent jurisdiction, the debtor shall also be liable for the collection agency fee as well as reasonable court costs and attorney's fees.

Methods of Payment

Checks or money orders should be made payable to Eastern New Mexico University and mailed to: Business Office, ENMU Station 4, 1500 S Ave K, Portales, NM 88130. All payments should have the student's name and ENMU ID number or social security number on the check.

Other payment options are: (1) Pay at the Cashier's Office in the Administration Building; (2) Place payment in drop box in front of the Administration Building; (3) Pay by credit card or debit card (VISA, MasterCard, American Express, or Discover); or (4) Use financial aid/scholarship payments.

Financial Aid

The student and his/her family are primarily responsible for defraying the cost of the student's college education. However, when the student and family have made a sincere effort to meet expenses and additional financial assistance is required ENMU believes that aid should be made available whenever possible.

To receive full consideration, the student should apply no later than March 1, unless an earlier date is specified for a particular program. Applications received after March 1 will be considered as long as funds are available. The form accepted by ENMU is the Free Application for Federal Student Aid (FAFSA) or the Federal Renewal Form for Previous Aid Applicants. Although a student may apply for aid prior to enrollment, admission must be complete before aid will be disbursed.

To initially receive and continue to receive financial aid, the student must maintain satisfactory academic progress as determined by federal regulations in conjunction with the University. The student must successfully complete 80 percent of all hours attempted at ENMU. Undergraduates must maintain an ENMU institutional GPA of at least 2.00 and must graduate within 192 attempted semester hours. Graduate students must maintain an ENMU institutional GPA of at least 3.00 and must graduate within 45 attempted semester hours. For more information about ENMU's Satisfactory Academic Progress, please contact the Office of Financial Aid.

Students who apply for financial aid but are not in good standing are automatically denied by the Office of Financial Aid. However, the student may appeal by completing the appropriate appeal form and submitting that form to the Office of Financial Aid. For further information regarding applications, appeals, loan rates, deferments, minimum/maximum loan amounts, etc. please contact the Office of Financial Aid in the Student Academic Services Building, Room 107. Also, *The Student Guide*, published by the U.S. Department of Education, is an excellent source for additional information. This publication can be obtained in the Student Academic Services Building, Room 107.

Federal Pell Grant

The Federal Pell Grant Program is currently the largest student Grant program administered by the Department of Education. The purpose of the Federal Pell Program is to award grants to help financially needy students meet the cost of their post-secondary education. Students who have earned a bachelor's or professional degree are not eligible to receive a Federal Pell Grant, a Federal Supplemental Educational Opportunity Grant or a New Mexico Student Incentive Grant.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The FSEOG is a grant "supplemental" to the Federal Pell Grant. The stated purpose of the FSEOG is to provide grants to assist in making available the benefits of post-secondary education to qualified undergraduate students who demonstrate exceptional financial need. Priority is given to Federal Pell Grant recipients. These funds are limited and will be distributed until the fund is exhausted.

New Mexico Student Incentive Grant

The Student Incentive Grant Program is available to students who are residents of the State of New Mexico and who demonstrate financial need. The funding is limited and monies will be distributed until the fund is exhausted.

Federal Perkins Loan

(formerly National Direct Student Loan)

The Federal Perkins Loan program is a long-term, low-interest (five percent) loan program. Eligibility is based upon a student's demonstrated financial need and is targeted to students with exceptional need. This loan fund is limited and monies will be distributed until the fund is exhausted.

Federal Stafford Loans

(formerly Guaranteed Student Loans)

Federal Stafford Loans are low-interest loans made to students attending school at least half-time. Loans are made by a lender such as a bank, credit union or savings and loan association. These loans are insured by the guaranty agency in each state and reinsured by the federal government.

There are two types of Federal Stafford Loans — subsidized and unsubsidized. Subsidized loans are based on financial need and repayment of principle. Interest begins six months after the student graduates, leaves school or drops below half-time. Students may receive an unsubsidized, or non-need-based loan, as well. The student is responsible for paying the interest during in-school and deferment periods. (Otherwise, the student and lender may agree to capitalize the interest; however, this would increase the amount of the principle.) Students who want to borrow from the unsubsidized Stafford or additional unsubsidized Stafford (formerly SLS) Loan programs must still apply for federal financial aid via the FAFSA.

Federal PLUS Loans

Federal PLUS Loans are for parents who want to borrow to help pay for their children's education. These loans provide additional funds for education expenses and, like Federal Stafford Loans, are made by a lender such as a bank, credit union or savings and loan association. Under this program, the applicant must be deemed credit-worthy by his/her lender.

Federal College Work-Study Program

Students may work on the ENMU campus and at off-campus, nonprofit organizations under this federal program. Eligibility is based upon a student's demonstrated financial need. The student usually works between six and 15 hours per week and is paid every two weeks. Both work-study programs are limited in funding and awards will be made until the funds are depleted.

New Mexico Work-Study Program

The New Mexico Work-Study Program is designed to assist residents of the State of New Mexico with their educational costs. The majority of the awards are made to those students demonstrating financial need; however, a portion of the program funds are set aside for those not qualifying for need-based aid. Students must still apply for federal aid to determine need-based eligibility; also, a letter of interest for this state program should be submitted to the Office of Financial Aid as early as possible after the application (FAFSA) has been completed.

Dropping Credits or Complete Withdrawal

Please be aware that any change in enrollment status may result in a decrease or loss of financial aid eligibility. Also, future financial aid could be jeopardized. Students who receive Title IV funding and withdraw completely from the University may be subject to a separate refund schedule. Contact the Office of Financial Aid for examples of these policies.

Scholarships

The Office of Development publishes an annual ENMU scholarship guide. The *Friends of Eastern Foundation Guide to Scholarships* can be obtained through the Office of Development, ENMU Station 8, 1500 S Ave K, Portales, NM 88130, (505) 562-2412. The Guide to Scholarships and applications are also available online at www.enmu.edu/scholarships. The deadline to apply for the majority of ENMU scholarships is March 1 for the following academic year.

Student Services and Activities

Business Affairs

The Office of Business Affairs, located in the Administration Building, serves as the financial focal point of the University by providing various services to faculty, staff and students. All tuition, fees, student accounts and University services such as payroll, purchasing and accounting are the responsibility of this office. The Campus Bookstore, Post Office and Physical Plant are also administered through the Office of Business Affairs.

Student Affairs

The Office of Student Affairs houses the vice president for the division and serves as the coordination point for the development of the departments and services in Student Affairs. The primary goal of the division is to create excellence in all of the programs and services that contribute to the comprehensive student development program at ENMU. Over 90 professional and support staff contribute to this student development program. The primary focus of the Student Affairs staff is to assist students in establishing an environment that enhances their personal growth and development. The Office of Student Affairs is located in the Student Academic Services Building (SAS), Room 194, (505) 562-2221.

Counseling and Career Services/ Student Employment

Personal and career counseling are available free of charge in the Office of Counseling and Career Services located in the Student Academic Services Building, Room 214, (505) 562-2211.

The Office of Counseling and Career Services coordinates contacts with prospective employers and graduating students and alumni. Students are urged to establish credentials two semesters prior to graduation since many employers conduct on-campus interviews only once each year. Credentials include a resume, a transcript of course work and letters of recommendation. Counseling and Career Services posts current job openings on local, state and national levels online at www.enmu.edu/careerservices. Counseling and Career Services is located in the Student Academic Services Building (SAS), Room 214, (505) 562-2211.

Cooperative Education

Cooperative Education is a planned academic program which allows students to blend classroom theory with related work experience. Students are employed by business, industry or government in positions related to their fields of study and career choices. The program provides the student with responsibility on the job commensurate with academic skills through alternating periods of study and work assignments. Academic credit may be earned for individual research projects accomplished during a work phase, under direction of an appropriate faculty member. The research project must be undertaken in addition to the regular job responsibilities and work hours. Cooperative Education is coordinated by the Office of Counseling and Career Services.

Tutoring

Tutoring is available in many disciplines such as math, sciences, English, and business, free of charge. Students may schedule oneon-one tutoring sessions on a drop-in basis or by appointment. Tutoring is also available in the evenings and on weekends. Tutoring is located in The Alley (Campus Union basement), (505) 562-2286.

Disabilities Services and Testing

The Disability Services Program mission is to assist in creating an accessible university community where students with disabilities have an equal opportunity to fully participate in all aspects of the educational environment. The program cooperates through partnerships with students, faculty and staff to promote student independence and to ensure recognition of abilities, not disabilities. Services are available but not limited to: adaptive equipment for the visual and hearing impaired, exam accommodations (extended time, isolated location, alternative format), taped textbooks and alternate format materials.

The Testing Program offers national and institutional standardized tests such as CLEP for college credit, LSAT, MCAT, ACT, SAT and others. Information is available online at www.enmu.edu/disabilityservices or at the Office of Disability Services/Testing located in the Student Academic Services Building, Room 186, (505) 562-2280.

Multicultural Affairs Program

Programs of Multicultural Affairs are designed to aid minority students in their cultural, social and academic development. There are four components: African American Affairs, Hispanic Affairs, Native American Affairs and International Student Affairs. The program works cooperatively with the University and community in increasing an awareness concerning cultural, historical and ideological values of the various ethnic groups. These offices are located in The Alley (Campus Union basement). Information is also available online at www.enmu.edu/multicultural affairs.

Multicultural Activities

Eastern New Mexico University and the state of New Mexico are uniquely characterized by the presence of a rich diversity of cultures. In recognition of this cultural diversity, activities for the members of the university community are scheduled which are designed to increase the level of multicultural awareness, enhance classroom instruction, and promote a learning environment through which students are better prepared to function in a culturally pluralistic society. Activities include guest speakers, seminars, forums, workshops, and informal discussion sessions scheduled through the academic year. The Office of Multicultural Affairs is located in The Alley (Campus Union basement), (505) 562-4914.

Adult Re-Entry Program

Adult re-entry is a special program designed to assist adult students with the transition to the college environment. The office, located in the Alley (Campus Union basement), provides academic and student services for the non-traditional student. Additional information may be obtained at (505) 562-2434.

Trio Programs

Educational Talent Search, Upward Bound, and Student Support Services are federal programs funded through the U.S. Department of Education. These programs work to assist disadvantaged students in pursuing a post-secondary education. Educational Talent Search offers counseling and assistance in educational opportunities, admission requirements and financial aid to sixth through twelfthgrade students. Educational Talent Search is located in Quay Hall, Room 117B, (505) 562-2447. Upward Bound is a college-based program of rigorous academic instruction, individual tutoring and counseling for eligible high school students, most of whom are the first generation of their families to consider post-secondary education. Upward Bound is located in the University Annex, (505) 562-2452. Student Support Services assists students already enrolled, or accepted for enrollment, through counseling, tutorial and other educational services. This program helps to remedy academic deficiencies, to provide career guidance and placement and to encourage students to continue or re-enter higher education. Student Support Services also assists students with disabilities to function at full potential in an academic environment. Student Support Services is located in The Alley (Campus Union basement), (505) 562-2454.

Housing and Residence Life

The Office of Housing and Residence Life provides living accommodations for students in well-equipped, safe and comfortable residence halls. These University living areas are staffed by both professional and student staff whose job it is to see that the living area environment is conducive to student success. To this end, a number of programs have been implemented in the halls. These include updated computer labs with Internet connections, classrooms in some halls, Internet connections in all student rooms and special study hours/sessions.

Campus Residence Policy

The Eastern experience involves students in both academic and noninstructional settings, through campus organizations and events, community activities and interactions with faculty, staff and peers. Such experiences are intended to create a true community of learners, and they can significantly improve student success in achieving academic, civic and career goals.

Beginning the college experience presents challenges for most students. Some of these challenges may even become barriers that block student success. Eastern is fully committed to remove those barriers, to maximize student involvement in the collegiate experience and to assist students to achieve success in their college experiences. Considerable research exists that suggests students' living arrangements are one of the key factors in the successful college experience. Compared to those who commute, students living on campus are able to be more involved, have better access to faculty, tend to perform better academically, are more likely to persist to graduation and report a higher degree of satisfaction with their college experience. Although living on campus does not guarantee success, it provides the opportunity to learn the rights and responsibilities that accompany participation in higher education as a member in a community of learners. In order to help accomplish these goals, Eastern New Mexico University has adopted the following policy:

All students who have completed fewer than 60 semester hours, who are under 21 years of age on the first day of class and who are enrolled in 12 or more semester hours will live in the university residence halls. All students residing in the halls will select one of the approved meal plans for residents.

Students living in residence halls sign a contract for an academic year. Preferences of residence hall, room and roommates are honored when possible. Private rooms are not guaranteed to any student, but are assigned on a space available basis with priority given in descending order starting from graduate students. Room rate and other information may be obtained from the Office of Housing and Residence Life located in the Campus Union, (505) 562-2632, or from the housing Web site at www.enmu.edu/housing.

Residence hall rooms are furnished with beds, desks, chests of drawers, local phone service, basic cable service and Internet connections. Students must furnish their own linens. Television lounges, computer labs, cooking areas, various study and recreation spaces, and laundry rooms equipped with coin-operated washers and dryers are provided in all residence halls. Room rates include local telephone service. Due to the tremendous variety in student preferences for phone type and answering machine needs, students are free to choose and bring the telephone equipment of their choice. With Ethernet cards in their computers, students may connect to the University network system which also provides Internet access.

The University prohibits the keeping of firearms or other dangerous weapons in all University housing. Due to fire safety and cleanliness issues, students are not permitted to cook or prepare meals in residence hall rooms. For similar health reasons pets other than fish in tanks of smaller than 25 gallons are not allowed. A supply of compact refrigerators is available for rent in each hall. Students are free to bring their own refrigerators, provided the specifications are the same as the rental units. Stereos, radios and televisions are permitted in rooms provided their use does not interfere with the study habits of others.

Use and possession of alcohol and other illegal drugs are strictly prohibited in the residence halls. With the first violation, a student is placed on residence hall probation. Upon the second violation, a student is evicted from the residence halls and in some cases withdrawn from the University.

Apartments are available for married students, students with families and students classified as juniors or above, and are leased on an availability basis with priority given to order of application. Information concerning University-owned apartment policies and facilities may be obtained from the Office of Housing and Residence Life, (505) 562-2632 or the housing Web site: www.enmu.edu/housing.

Campus Dining

Sodexho Campus Services, a professional food service company, provides dining services to students, faculty, staff and the public. Emphasis on restaurant style and high quality provides the groundwork for your dining choices. These venues for meal service include the following locations in the Campus Union:

Ultimate Dining is located on the main floor, open Monday through Friday for your convenience;

- Breakfast from 7 a.m. to 9 a.m.
- Lunch from 11 a.m. to 1 p.m.
- Dinner from 5 p.m. to 7 p.m.

Weekends,

- Breakfast from 8:00 a.m. to 9:00 a.m.
- Brunch from 11:00 a.m. to 1:30 p.m.
- Dinner from 5:00 p.m. to 6:30 p.m.

Cafe Fresca offers snacks and beverages for students and staff on the go. Cafe Fresca is located in Jack Williamson Liberal Arts building. Hours of operation are 7:30 a.m. to 1:30 p.m., Monday through Friday.

Sodexho Services also offers catering services and banquet facilities. Please call (505) 562-2190 for any further information.

Student Health Services Center

The Student Health Center is available to all ENMU students enrolled for 12 credit hours or more. This service is brought to students by student activity fees. Students enrolled for less than 12 credit hours can pay an additional fee to obtain these services.

The Student Health Center is open Monday through Friday 8:00 a.m.–5:00 p.m. by appointments and limited walk-in hours. The center is closed Saturdays, Sundays, University holidays and during the summer.

Student Health Center is not an insurance plan; all students are encouraged to carry their own insurance coverage. The Student Health Center cares for acute illness similar to urgent care offices and offers women's medical services, STI testing and birth control through Title X.

Student Health Center is located on the west end, ground floor of Curry Hall, (505) 562-2321.

Medical Insurance

Medical insurance is available to students at a reasonable premium rate. International students are required to have this medical insurance; other students may elect to waive the insurance. Since student health services are limited, students are urged to take this opportunity to secure protection against illness and injury expenses. Information on this program is available through the Office of the Vice President for Student Affairs.

University Bookstore

The mission of the ENMU Campus Bookstore is to enhance and support the educational processes of Eastern New Mexico University. In pursuit of this mission, the Campus Bookstore, as an auxiliary organization, is a partner in the university community whose role is to provide appropriate goods and services at a reasonable and competitive price, to help develop and maintain an effective learning environment, to reflect an institutional image of competence and quality, to encourage cooperative relations within the university community, to provide advice on services and resources appropriate to educational needs, to generate income to augment university resources. In executing this role the Campus Bookstore is committed to high quality, innovation and a projection of an image of service.

The Campus Bookstore is located next to the Campus Union (CUB). The following policies will prevail:

Purchases — Purchases of books and supplies required can be paid with cash, check or major credit card. Students using financial aid will need to see the Office of Student Accounts first. The Office of Student Accounts will enter financial aid monies into student accounts that allow students to make necessary purchases. This must be done at the beginning of each semester. The ENMU Campus Bookstore will reserve textbooks for students at the beginning of each semester. A student must sign up to have textbooks reserved by coming into the store or going to the store Web site.

Refund Policy — It is recommended that students not purchase textbooks until after the first class meeting. The last day for exchange or refunds is one day beyond the last day for late registration and adding classes. Students are asked not to write or mark in books or remove covering or price stickers. A drop slip and the cash register receipt(s) are needed for all refunds.

Gross Receipts Tax — As mandated by the state legislature, the Campus Bookstore is required to charge a five percent governmental gross receipt tax on all transactions.

For a four-week period, beginning with the week prior to the first day of class through the end of the third week of classes, the bookstore will become a closed facility, open only to members of the University community. By doing this, the bookstore will be able to sell those items which are needed for classes without charging tax. All bookstore patrons, including students, staff, faculty and those on campus for educational research or public service activities, will be asked to provide proper identification.

Store Hours — Mon.–Fri.: 7:30 a.m. to 5 p.m. During the first week of each semester hours are: Mon.–Thurs.: 7:30 a.m. to 7 p.m. Open on Saturdays for special events or on request from groups or organizations.

Contact us — Locally at (505) 562-2721 or toll-free at (877) 499-2665 or visit us on the Web at www.enmubooks.com.

University Police Department

The University Police Department located at 3rd Street and South Avenue K, operates 24 hours per day, seven days per week, including holidays, phone (505) 562-2393. The department is basically a service operation for the benefit of students and other members of the University community. All students and ENMU personnel who operate motor vehicles on university property are required to register their vehicle with the department and obtain parking permits. Regulations concerning parking are provided to each vehicle owner upon registration.

Services and activities of University police include traffic and parking control on campus, emergency transportation for ENMU students and personnel, building checks, handling lost and found items, and protection of attendants and property at social and athletic events. The department cooperates with neighboring police agencies to assure University interests are protected.

Students and ENMU personnel are subject to all local, state and federal laws as well as University regulations.

Student Conduct

Students are subject to all state and federal laws and may receive disciplinary action for violations of University housing and traffic regulations, financial obligations and disruption of or interference with normal activities. It is both illegal and against University policy for any student to have within his/her possession any official university documents, seals or emblems used in authenticating documents or to make or use any fraudulent document. Students must properly identify themselves to University personnel who are in performance of their duties. Students who cannot do so will be treated as non-students.

The responsibility of administering the discipline system at the University is delegated by the president of the University to the vice president for Student Affairs. The vice president for Student Affairs is the Campus Adjudication Officer. The Disciplinary Committee has administrative responsibility to review and process student disciplinary matters as well as when needed.

20 Eastern New Mexico University

When a student is suspected of an infraction of University regulations, he/she will be given appropriate due process. If the infraction includes the possibility of suspension from the University, the student will be notified in writing of the specific charges. The following disciplinary procedure will be followed:

The Campus Adjudication Officer shall administratively shall review each case and take appropriate administrative actions

- 1. by dismissal of the allegation
- 2. by issuance of a written warning
- 3. by issuance of a written probation
- 4. by disciplinary suspension or
- 5. through referral to the University Discipline Committee.

Students may appeal the decision of the Campus Adjudication Officer. If the student chooses to appeal, said appeal must be in writing and shall be presented to the Campus Adjudication Officer within 72 hours of the decision, excluding weekends and holidays.

The student shall be informed in writing of the charges against him/her within one week. The student shall have the right to be assisted in his/her defense by an advisor of his/her choice from the faculty, staff or student body. The student shall have the right to testify and present witnesses as well as hear and question those witnesses who are testifying against him/her.

Possible sanctions may be imposed for infraction of regulations:

- 1. Disciplinary Warning. This is a sanction imposed with or without loss of designated privileges for a definite period of time not to exceed one calendar year.
- 2. Disciplinary Probation. This is a sanction for a specified period of time which shall not be less than three months nor more than one calendar year.
- 3. Disciplinary Suspension. This sanction is one of involuntary separation of the student from the university for a definite period of time after which the student is eligible to return. Students suspended shall be assigned the grade "W" which would be appropriate if they were withdrawing voluntarily.

Convictions of any misdemeanor or felony under State or Federal law may be considered as a violation of the Student Code, warranting disciplinary action.

Statement of Limitations — No student shall thereafter be subject to disciplinary procedures stemming from an alleged infraction of University regulation unless such procedures are initiated within one year from the time the alleged infraction occurred. No period shall be included in the time of limitation when the party charged with any infraction is not enrolled at the University. No period shall be included in the time of limitation when the University disciplinary procedures cannot function for reasons beyond the control of the University.

Auxiliary Services

Auxiliary Services is located in the Campus Union, Room 108, (505) 562-2631. Other functions of this office include: Housing and Residence Life, Student Activities, Campus Dining Services, Master Calendar and Campus Union.

Associated Students

Associated Students provides students of ENMU a voice in University governance and helps provide services for students. The executive branch is comprised of a president and a vice president, elected by the student body and the chairpersons of executive boards who are appointed by the president and approved by the Senate. The legislative branch is headed by the vice president and consists of representatives from the colleges. The elected Senate distributes allocated student funds and makes recommendations to the administration on university policy. The judicial branch consists of an attorney general and a supreme court.

Student Publications

The Chase is the campus newspaper edited by the students, published weekly and distributed free of charge.

The Silver Pack, the yearbook, is published annually by students. It provides a pictorial and written review of the year's events.

Hound Bytes is the student online magazine.

Student Activities and Organizations

The Office of Student Activities and Organizations sponsors the production of a wide variety of activities throughout the year including talent shows, comedians, performing artists, recreational activities, spirit events, leadership programs, community service opportunities and multicultural events. Many of the programs are organized by the Associated Student's Activities Board (ASAB). Students are encouraged to join ASAB to enhance leadership skills, build peer networks and fully settle into their new campus community. One of the first series of events of each academic year is Dawg Days. Dawg Days is scheduled the weekend before classes start in the fall semester and provides students with a chance to meet other students and have fun on campus.

The Office of Student Activities and Organizations also serves as the focal point for over 60 registered student organizations on campus including academic/professional, honorary, international, multicultural, recreational, religious, residence hall, service, special interest, social fraternities and sororities, spirit and graduate. Students interested in starting new groups should contact the Office of Student Activities and Organizations for information on the student organization registration process.

The Office of Student Activities and Organizations provides a Campus and Community Involvement Record (CCIR). The CCIR is a report of student's co-curricular involvement and can be obtained by submitting an application at the Office of Student Activities and Organizations.

For more information about student activities, ASAB, registered student organizations, the CCIR or Dawg Days, please contact the Office of Student Activities and Organizations, located in the Campus Union, Room 104, (505) 562-2242.

Visual and Performing Arts

Numerous dramatic, musical and artistic events are produced each year by students and faculty through the College of Fine Arts. Participation in these events is open to all students regardless of major. In addition, the College of Fine Arts offers classes and lessons to all students for developing their artistic talents, for enriching their University educational experience and for their fun and relaxation.

Fraternities and Sororities

ENMU encourages the development of social fraternities and sororities on campus. Fraternities represented are Kappa Sigma, Phi Kappa Psi, Sigma Alpha Epsilon and Sigma Chi. The sororities represented are Chi Omega and Zeta Tau Alpha. Information may be obtained in the Office of Student Activities and Organizations, (505) 562-2631 or (505) 562-2211.

Intercollegiate Athletics

Eastern New Mexico University is a member of the NCAA, Division II and the Lone Star Conference. Programs for men are offered in football, basketball, baseball, cross country and track and field. Women's programs include volleyball, basketball, cross country, softball, tennis and soccer. Men and women's rodeo is offered through the NIRA.

Having become members of the NCAA and the Lone Star Conference in 1984, both men's and women's teams have proven themselves highly competitive in both organizations. Membership and participation in a conference has given the athletic program a much more intense sense of competition, as well as having offered the athletes a better opportunity to earn individual recognition. The athletic program strives to continue the winning tradition it has had through the years. ENMU is dedicated to recruiting quality student athletes who can contribute to the University community both on and off the field.

Intramural and Recreational Sports

Intramural and Recreational sports programs are provided for all ENMU students, faculty and staff. Intramural and Recreational Sports programs at ENMU seek to provide broad opportunities for participation in wholesome physical activities for fun, to promote optimum physical and mental health and to provide a change-ofpace program for the busy university student. A great way to stay active and meet other students, faculty and staff, we encourage everyone to stop by our office in Greyhound Arena, Room 14, or visit our website at www.enmu.edu/intramurals. A long-standing recreational sports motto at ENMU is "Fitness for Life!!"

National Student Exchange (NSE)

From the snowy mountains of Maine to the sunny shores of California, the National Student Exchange (NSE) places students in the college or university of their choice, allowing them to experience a refreshing new climate, scenery and culture. The benefits are farreaching in that students have additional curriculum offerings, travel opportunities, an expansion of cultural awareness, and a widening of the total educational experience. In short, participation in NSE will give students a significant life and educational experience without altering their academic progress. Exchanges can be facilitated for one or two semesters at Eastern's tuition cost.

Students of the sophomore, junior or senior class with a cumulative overall GPA of 2.50 or better are eligible candidates for the program. NSE has over 170 participating institutions.

For additional information contact the Office of Housing and Residence Life located in the Campus Union or phone (505) 562-2632. Application process begins every fall semester with exchanges commencing the following fall and spring semesters.

International Educational Exchange (IEE)

International Educational Exchange (IEE) enables students enrolled at ENMU to complete a semester's or a year's study at a university abroad. The program is recommended for highly self-motivated, mature students. The following institutions have participated in the ENMU program to date: University of Plymouth, Exmouth and Exeter, England; Polytechnic Southwest, Exeter, England; Bristol Polytechnic, Bristol, England; Dartington College of Arts, Devon, England; Kansai Gaidai, Osaka, Japan; Memorial University, Newfoundland, Canada; University of Prince Edward Island, Canada; and La Universidad Autonoma de Guadalajara, Mexico.

IEE makes study possible at a university abroad for a reasonable cost. Students pay academic tuition, fees and, in some cases, housing costs at ENMU, but receive these services, at no additional cost, at a host institution abroad. A student's only added cost is that incurred for travel or for personal expenditures which are optional. Limited financial aid is available to the IEE student.

IEE, under the auspices of the vice president for Academic Affairs, is administered by an International Exchange Advisor (IEE Advisor) with the assistance of an ad hoc International Educational Exchange Committee. All students who are interested in making application for admission to the program must apply during the fall semester of the year preceding the planned period of study abroad. For additional information about the program, contact the IEE Advisor through the Office of Academic Affairs. See EXCH 300 on Page 126.

Academic Regulations

Catalog of Record

This catalog is a guide to the academic regulations and the curricula of Eastern New Mexico University. Each student is solely responsible for complying with all regulations of the University and of the curricular program he/she selects.

Students may graduate under the curricular requirements established in the catalog either for the year in which they were first enrolled at any ENMU campus or for a subsequent year of enrollment according to the following provisions: (1) the degree is conferred within six years of the date of the catalog, (2) all curricular requirements are governed by one catalog and (3) the university can reasonably continue to offer the course of study. (Transfer students should refer to the statement regarding catalog of record on Page 8.)

Colleges reserve the right to require students to repeat or prove their competence in the content of course work considered outdated by passing a challenge examination. Specific information on this process is outlined in the "Course Challenging" section located on Page 27 of this catalog.

Colleges have the authority to extend the six years for part-time students who are continuously enrolled.

Curricular requirements are established by the university and include general education courses as well as specific discipline requirements. Each student's degree program is individually planned following catalog guidelines and advisor recommendations.

Students may petition their advisors for administrative approval of exceptions to the curricular requirements of their degree programs and to the academic regulations established by this catalog.

New catalogs are effective the fall term of the year in which they are published. Students may continue to use the courses (or appropriate course substitutions) and program requirements of the catalogs used at matriculation. Academic standards and regulations, however, introduced in new catalogs apply to all students. Thus, probation and suspension regulations, specific GPA requirements, etc., apply to all students.

The University may make changes and exceptions to the curricular and academic policies provided that administrative and governance procedures are followed and that affected students are given reasonable consideration to petition individually for exceptions.

Degree Plans

The degree plan is a specific statement of the curricular program planned for the student and, as such, it defines more specifically than the catalog guidelines the course of study the student should pursue. The official degree plan must be filed in the Office of Student Records at or by the completion of 45 hours (earlier in some complex degree programs). Each student should confer with his/her advisor to prepare a degree plan. The degree plan is official after it has been approved by the advisor, department chair and college dean and has been filed in the Office of the Student Records clerk.

It is the student's responsibility:

- 1. to read and follow degree requirements established in this catalog;
- 2. to declare a major and initiate the filing of an official degree plan at or before completing 45 hours;
- 3. to initiate changes and substitutions regarding his or her advisor assignment, major, minor and other degree requirements; and
- 4. to apply for graduation.

The Office of Student Records maintains the working records of all students who have declared a major field of study. Students should contact this office for their records' processing and for ssistance and information regarding university requirements and policies.

Undergraduate degree programs include general requirements for degrees which must be fulfilled by all baccalaureate recipients, as well as specific requirements defined within the college, school and department curricular offerings. The general requirements include the "General Education Requirements" which are curricular plans that the faculty believe will lead each student to a broad and general level of knowledge and understanding. The typical student will complete most or all of his/her General Education Requirements within the first two years of full-time enrollment.

Students may petition their advisors, the discipline faculty and the academic administration for substitutions and exceptions to curricular requirements. Exceptions to University-wide academic requirements must be approved by the vice president for Academic Affairs.

The University will not necessarily honor errors which are made in the recording of degree plan requirements which are in conflict with catalog requirements and for which advance approval has not been obtained. However, the University will attempt to resolve the conflict.

Freshman Seminar

Freshman Seminar (UNIV 101) is a three-credit-hour, graded orientation course for all first-year students at Eastern New Mexico University who have successfully completed fewer than 30 credit hours. Taken during the first semester of enrollment, it helps students transition successfully to college as they discover the resources available to them at ENMU. It supports academic success by actively involving students in their learning process while strengthening skills, broadening horizons and developing academic and social independence. Students learn new skills, practice time management, discover their preferred learning styles, participate in campus activities and are welcomed into communities of engaged learners. ENMU's Freshman Seminar has been developed based upon national models for successful practices and is taught by faculty and professional staff. Freshman Seminar is coordinated by the Office of Freshman Studies, Quay Hall Room 113, (505) 562-2200.

Clemency Policy

The Eastern New Mexico University academic clemency policy allows qualified students to redeem their academic record.

Philosophy — Students who have attempted college work previously at ENMU and were not successful in their effort and now wish to resume their college careers but are held back by poor academic records may, through the application granting of academic clemency, exclude the poor academic record from current work.

Criteria — To be considered for the program, a student must:

- 1. At the time of readmission have not attended ENMU or any of its branches or learning centers for five or more years.
- 2. Complete the first 12 credit hours after returning with a minimum grade of "C" or better in each class taken. If more than 12 hours are attempted prior to seeking clemency, the student must earn a grade of "C" or better in each class attempted.

Procedure — Students who meet these criteria may apply for clemency in the Office of the Registrar after having successfully completed the first 12 or more credit hours with a grade of "C" or better in each class taken. No courses taken prior to the student's return will be counted in his/her Eastern New Mexico University institutional GPA. Courses with a grade of "D" or better will be carried forward as earned credit only and can be used to meet degree requirements. A grade of "D," however, does not count in the student's major or minor.

Note —

- 1. This policy pertains to the calculation of the GPA for progress toward degree completion and does not pertain to GPA calculated for graduation honors, professional certification and/or licensing (such as teacher education).
- 2. Students can avail themselves of this policy only once and it is not reversible. Grades earned before clemency will continue to show on the student's record with an * beside the grade.
- 3. The student who has already graduated may not apply for clemency.

Graduation and Commencement

Students completing their degrees must apply for graduation in the Office of Student Records during the semester in which they intend to graduate. Deadlines for applying for graduation are printed in the University Calendar; graduation fees are published in the Tuition and Fees section of this catalog.

Students who wish to participate in commencement exercises **must complete an application to march** in the Office of the Registrar by **the fourth Friday of the fall or spring term** to insure that a cap/gown will be available. For more information go to www.enmu.edu/graduation.

Earning a Second Associate or Bachelor's Degree

It is possible for a student at ENMU to earn more than one degree. If a student wishes to pursue two degrees concurrently, approval must be secured one year in advance of the anticipated date of graduation. If a student wishes to pursue a second degree after having already completed one degree, a new degree plan meeting university policies must be established. A policy statement outlining all of the requirements for any second degree may be obtained at the Office of the Registrar or the college dean. It is the obligation of the student to obtain a copy of the statement and to follow stated policies. Graduation fees will be required for each degree awarded.

Post-Baccalaureate Admission

Any student who holds a baccalaureate degree and who wishes to take only undergraduate courses at ENMU may request admission as a post-baccalaureate student. This request must be made and approved prior to the beginning of the first semester of enrollment. Students who are admitted as post-baccalaureate students will pay undergraduate tuition rates for undergraduate classes; they will not be allowed to enroll in any graduate courses. Students seeking to enroll as post-baccalaureate students need to apply directly to the Graduate School and will be required to provide an official transcript documenting the attainment of the baccalaureate degree.

If in the future students desire to take graduate-level courses they will have to apply for admission to the Graduate School and their application will be subject to any admission requirements in effect at the time of application. In addition, students must realize that any undergraduate courses taken while they are identified as post-baccalaureate students will be counted into their undergraduate cumulative GPA if and when they decide to apply to the Graduate School.

Students who are classified as post-baccalaureate will not qualify for financial aid unless they are pursuing a teacher education licensure or certification program of study.

Student Learning Assessment

Eastern New Mexico University is an institution totally centered on student learning and student development and to access and improve its academic programs the University must obtain periodic measurements of student perceptions and intellectual growth. The University routinely conducts campus-based studies of student attitudes, student academic achievement, student satisfaction, and personal, professional and career development. The Assessment Program includes systematic testing and surveying of students, junior tests of General Education knowledge base and discipline-based assessment. As a requirement for graduation, students must participate in institutional general education program assessment. Students will be notified of their required participation when they have completed 55 to 75 credit hours. Questions about the Student Learning Assessment Program can be directed to the Assessment Resource Office at (505) 562-4213 or assessment@enmu.edu.

Academic Integrity

Students are responsible for achieving academic and course goals and objectives as prescribed by their instructors and for demonstrating attainment in an honest manner. Failure to do so may result in two different outcomes. Misrepresentation of knowledge can influence a course requirement. Cheating, plagiarism or other acts of academic dishonesty compromise the integrity of the academic process and community and are subject to disciplinary action. An act of academic dishonesty, at the will of the University, may result both in grade changes and/or disciplinary action.

Cheating behavior includes but is not limited to (a) dishonesty of any kind on examinations, quizzes, written assignments and projects; (b) unauthorized possession of examinations, quizzes or instructor records; (c) use of unauthorized notes or information during an examination or quiz exercise; (d) the obtaining of information during an examination or assignment from another individual and/or assisting another to cheat; (e) alteration of grades on an examination or assignment or in instructor or university records and (f) illegal entry or unauthorized presence in an office of the University or residence of an instructor or unauthorized access to grade records or examination and assignment requirements.

24 Eastern New Mexico University

Plagiarism includes but is not limited to offering the work of another as one's own; offering the work of another without proper acknowledgment and/or failing to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines, other reference works, term papers, reports or other sources of another individual.

Academic Credits

An academic credit, called a "credit hour," is the equivalent of one 50-minute "contact hour" (instructor to students) per week; other classes such as laboratories, physical education, music ensembles and workshops require more "contact hours" than the "credit hours" indicate.

Classification of Students

Student classification is based upon the following standard of credit hours earned:

Freshman	0–29
Sophomore	30–59
Junior	60–89
Senior	90+

Numbering of Courses

Courses are numbered according to level. Courses numbered from 100 through 199 are primarily for freshmen; 200 through 299, for sophomores; 300 through 399, for juniors; 400 through 499, for seniors; 500 through 599, for graduate students. Students should select courses according to their classifications but may take courses at a lower level or one level above (i.e., freshmen may take 100- and 200-level courses, sophomores 200- and 300-level, etc.). Courses which are offered at two or more levels with identical titles may not be repeated for credit with the exception of courses specifically structured for repetition.

Graduate Study by Undergraduate Students

Undergraduates who are nearing completion of their baccalaureate degree may register for appropriate courses for graduate credit (500-level) if they are (a) enrolled in the final semester of their undergraduate work, (b) taking sufficient work to complete the requirements for the baccalaureate degree, (c) eligible for admission to the Graduate School and (d) have a cumulative overall GPA of 3.00. Students wishing to earn graduate credit on this basis must obtain in advance the approval of the dean of the Graduate School. The total combined enrollment in undergraduate and graduate work must not exceed 16 hours for the regular semester and 10 hours for the eight-week summer session. Graduate work taken under these provisions may not be used to meet undergraduate degree requirements.

Student Class Load

A full-time course load is 12–18 credit hours during a regular semester, 6–10 during an eight-week summer session and 4–6 during a fourweek summer session. A student may take no more than 10 credit hours over the two four-week summer sessions. Overloads must be approved by the student's advisor and dean. In the summer, anything over 10 hours is an overload.

Developmental Studies

Developmental Studies (DS) courses — English 100, Math 101, and Reading 100 — are designed to improve the abilities of entering students and better prepare them for college-level course work. Placement in these courses is based on ACT/SAT sub-scores in writing, math and reading; additional diagnostic and placement testing is offered. If a student's sub-scores fall below prescribed levels she/ he must take these Developmental Studies courses, unless the student is 23 years of age or older or has earned 30 or more hours of college credit. Students who are returning to the classroom after several years absence and who have not completed math and English requirements may need to take placement tests through the advising office to determine their level.

Credit for DS classes is used to satisfy financial aid requirements and grades earned in these classes are figured into the student's institutional grade average. However, credits for these classes do not count toward the hours needed to graduate. To complete these classes satisfactorily, the student must earn a letter grade of "C" or better. If a student earns a grade of "D" or "F," she/he must retake the course. **Note:** A student receiving a "D" who retakes the class is not eligible to receive financial aid for that class again.

Students must take English 100 and Reading 100 their first semester; Math 101 may be postponed one or two semesters. All Developmental Studies courses must be completed by the end of the third semester. Students must successfully complete any English 100 or Math 101 class in which they are placed before enrolling in other English or math classes. For additional information, contact the Office of Advising and The Freshman Year, Student Academic Services building, Room 232, (505) 562-2338.

Enrollment for Non-Credit (Audit)

Any student may enroll for a particular course or courses for no credit while concurrently enrolled for other courses for credit. Class attendance and participation requirements for a non-credit student are to be individually determined by the instructor of the course. Students may change their enrollment from credit to non-credit or from non-credit to credit only during the drop/add period as established in the University Calendar. Courses taken for non-credit will appear on the student's transcript as "AU" with no credits recorded and no grades assigned. Tuition and fees are the same for students enrolled for non-credit as for students enrolled for credit.

Attendance Policy

Each student is expected to attend all class sessions of each course for which he/she enrolls. Faculty members will establish and state in the syllabus the attendance, grading and make-up policies for their courses. It is the responsibility of the student to adhere to the policies of the instructor.

Absences due to participation in sanctioned university activities are considered to be authorized absences. Sanctioned activities are those which have been approved in advance by the dean of the college or the director of the unit sponsoring the activity. The sponsor of sanctioned activities will submit to the Office of Student Affairs the names of student participants and the dates of their absences. This information will be published in the *Monday Memo*.

Participation in sanctioned activities does not relieve the student of the obligation to meet the stated requirements of the course. It is the responsibility of the student to make arrangements with the instructor for any make-up work. Arrangements for make-up work must be made in advance of the absence.

Grading System — Grade Points

Grades are based solely upon performance. They are not based upon how difficult the subject is for the student, how much time the student must devote to the course or on the student's academic status. Above all, **grades are not negotiable**.

Grades "A," "B," "C," "D" and "F" are earned and recorded at ENMU; under certain circumstances as described further in this section, grades "CRE," "I," "W," "S" and "U" may be recorded. In computing the GPA the total of credits in which the grades of "A," "B," "C," "D" or "F" have been earned is divided into the total number of grade points earned.

- A The "A" grade indicates that the work has been outstanding, the quality has been exceedingly high and more than the minimum amount of work has been done. The "A" student will demonstrate both a wider and deeper understanding of the subject than any other student. *Four grade points per credit hour*
- B The "B" grade indicates that the quality of the work has been high; that all of the assigned work has been properly and correctly done and that classroom performance on tests, recitations, reports, etc. has been consistently well above average. The "B" student occasionally exceeds the minimum mandates of the course. This grade should identify the student who is ready for and is capable of advanced work in the same subject. *Three grade points per credit hour*
- C The "C" grade indicates that the quality of work has been generally good, that most of the assigned work has been acceptably done and that classroom performance is quantitatively average for the class. The "C" student rarely does more than the minimum. *Two grade points per credit hour*
- D The "D" grade indicates that the quality of the work has been poor, that the assigned work has been substandard and often incomplete (or late) and that classroom performance has been well below average. A "D" grade will not count in the student's major or minor programs. One grade point per credit hour
- F The "F" grade indicates failure and is given in cases of exceptionally poor performance. *Zero grade points per credit hour*
- I Incomplete: The "I" grade is given for passing work which could not be completed due to circumstances beyond the student's control. The following regulations apply to "I" grades:
 - 1. In no case is an "I" to be used by faculty to avoid the assignment of "D" or "F" grades for marginal or failing work.
 - 2. The instructor will submit a copy of the signed incomplete "contract form" to the registrar showing what must be done to make up the "I."
 - 3. The work to make up an "I" must be completed by the time specified on the incomplete contract form to which the instructor and student have agreed but in no case will the time exceed beyond the next regular semester (summer does not constitute a semester for this regulation).
 - 4. Change of an "I" is accomplished by the instructor submitting a change of grade form to the registrar when the work has been completed. An "F" grade may be given for inadequate work or work not completed in a timely fashion. A student cannot change an "I" by re-enrolling in the course. Repeating a course will give the student a new grade but will not remove the "I" from the previous registration.
 - 5. An "I" grade will not replace an "F" grade for GPA determination.

- S Satisfactory: The "S" grade is earned by satisfactory completion of a short-term workshop or other unique courses which has been designated for S–U grading. *Grade points are not given*.
- U Unsatisfactory: The "U" grade is earned by doing unsatisfactory work in a short-term workshop or other unique courses which has been designated for S–U grading. *Grade points are not given*.
- W Withdrawal: The "W" grade is recorded when the student has formally withdrawn from the university during the time between the last day of registration and the first day of final examinations, or from a course between the last day of registration and the date published in the semester schedule of classes. Instructors are not to give "W's" unless the student has officially withdrawn. *Grade points are not given*.
- CRE The "CRE" grade is recorded when the student receives credit by examination. *Grade points are not given*.
- AU The "AU" grade is recorded when the student registers for a class for no credit.

Correction of Grade

A grade may be changed only if an error has been detected in the calculation or recording of the grade. Such corrections shall be made only after reasons for such change have been submitted in writing by the instructor and approved by the dean of the college with verification of procedure by the registrar. No grade change requests will be considered after a period of one calendar year following the recording of the grade on the transcript.

Grade Review Policy

The principle of academic freedom dictates that a faculty member is responsible for and has authority over grades which he/she assigns and the criteria by which the student is evaluated. However, the University has developed a grade review procedure which allows for an objective view of a disputed grade. The specific Policy for Review of Grades is available in the offices of college deans or in the Office of Academic Affairs. **No grade review request will be considered after a period of one calendar year following the recording of the grade on the transcript.**

College Level Examination Program (CLEP)

ENMU participates in the College Level Examination Program of the College Entrance Examination Board under the following provisions:

- 1. In the CLEP General Examination areas, a student can earn three credit hours in the English and social studies/history areas and six credit hours in the humanities and math areas for scores at or above the 50th percentile on the examinations. (Credit will be assigned to specific courses.)
- 2. CLEP subject-area examinations will be considered individually and accepted at the 50th percentile. (See Page 30.)
- 3. ENMU will accept transfer CLEP subject credit without consideration of the percentile or score accepted by the transferring institution.
- 4. CLEP credit cannot be used to establish credit for a course in which an "F" grade has been recorded.
- 5. CLEP credit will not be awarded if a student has received college credit for the same course or its equivalent.
- 6. The evaluation and recording of CLEP credit will be once each semester. Official test reports must be sent by the testing organization to the Office of the Registrar.
- 7. Credit will be awarded to students who have earned at least 12 semester hours of credit on an ENMU campus.

Scholastic Honor Roll

Eastern New Mexico University publishes an undergraduate honor roll list at the end of each regular semester. To be eligible a student must complete a minimum of 15 hours of courses with a GPA between 3.25 and 4.00. Audit hours are not included toward meeting the minimum 15 hours.

Graduation Honors

Honors are awarded for baccalaureate degrees only. Graduation honors are awarded from the overall GPA prior to the student's final enrollment. Students whose final enrollment grades change their graduation honors status will have diplomas reordered to reflect the new honor status, delaying receipt of the diploma. Graduation honors are awarded on the student's **overall GPA** and are determined by the following scale:

Summa Cum Laude	3.800–4.000 GPA
Magna Cum Laude	3.700-3.799 GPA
Cum Laude	3.600-3.699 GPA
With Distinction	3.500-3.599 GPA

Honors Opportunities

High-ability students have the option of several special opportunities, including taking honors level classes and participating in several intellectual and social events during the year. For additional details, see Page 37.

Repeat of Course

A course may be repeated once to replace the initial grade earned in a course. Any student who wishes to take advantage of this policy must file an official "First Repeat Course Form" prior to completion of the baccalaureate degree. The following regulations will apply:

- 1. A repeat course must correspond in number, title and description to the original course taken. For courses with number or title changes, approval must be secured in advance from the department, the college dean and the registrar. A course of one type may never be repeated by a course of another type, e.g., a directed study for a regularly scheduled classroom course, etc. A transfer student may repeat a course taken at another institution provided the request is to repeat the course for the first time and the two courses are approved as equivalents by the dean of the college in which the repeat course is to be taken.
- 2. Both course enrollments and grades will appear on the transcript but only the second grade earned will be used to calculate the grade point average. Where there is a difference of hours of credit or of course number level the value of the repeat course will be used for the purpose of calculating the grade point average and in determining the satisfaction of degree requirements.
- 3. A student must receive approval through the appropriate unit dean to allow a repeat for an equivalent course at a non-ENMU campus. The student must then submit the "First Repeat Course Form" to the Office of the Registrar with the signature of the appropriate unit dean.
- 4. A grade of "I" for a repeat course will not replace a previous grade.
- 5. Withdrawal from a repeat course shall cause the repeat to be canceled and the previous academic record shall remain valid. The student may choose to repeat the course again after the withdrawal.
- 6. A student may repeat a course only once to have his/her first grade removed from the grade point calculation. Any additional repeats will be used in computing the GPA.

Course Drop/Add/Withdrawal

A student may change his/her registration by adding and/or dropping courses or by withdrawing from a course within the deadlines set in the university class schedule. A course dropped during the appropriate period will not appear on the student's transcript. A course withdrawn from during the appropriate period will appear on the student's transcript with a grade of "W." Refunds will be made for withdrawals during these time periods according to the refund schedule printed in the class schedule. In a variable credit course all hours must be dropped or withdrawn from, not just a portion of them. All exceptions to these policies must be approved by the vice president for Academic Affairs.

Probation and Suspension

Students will be placed on probation or suspension based on the following table:

Total ENMU hours for which grades were earned	Probation	Supension
0-16	Institutional ENMU GPA below 2.00*	Admitted on probation and both ENMU institutional and semester GPAs are below 2.00
17 or more	Institutional ENMU GPA below 2.00* AND Semester GPA 2.00 or above	Institutional ENMU GPA below 2.00* AND Semester GPA below 2.00 following one semester on probation**

*Institutional GPA includes all ENMU grades regardless of campus; it excludes course work attempted at non-ENMU colleges and universities.

**A student must have an institutional GPA of 2.00 or above to graduate.

Any student who is placed on probation will remain on probation until:

- 1. Suspended (*Institutional ENMU and semester GPAs are below 2.00) **OR**
- 2. Advance to good standing (*Institutional ENMU GPA is 2.00 or higher).

Academic suspension will always be immediately preceded by at least one semester of academic probation. For provisional freshman admits and transfer students not admitted in good standing, the first semester of attendance will be the probationary semester. Students admitted on probation will be suspended following the first semester of enrollment if the semester grade point average is below 2.00 regardless of the total number of hours taken. The first suspension will result in a suspension for one **regular** semester (fall or spring). A second academic suspension will result in a suspension of **two regular** semesters. Upon a third academic suspension, the student is permanently suspended from the University and is not allowed to re-enroll at ENMU.

Students suspended for the first or second time may be reinstated after serving the suspension period. Students who have completed the mandated suspension period must go to the Office of Advising as the first step in the reinstatement process and are subject to any enrollment restrictions stipulated by that office.

Students may petition for a waiver of the mandated suspension period based on extenuating circumstances. Such students must submit a written appeal to the Admissions and Standards Committee. Students may be placed on a suspension waiver with specified conditions of enrollment. These conditions may include a required GPA, repeat of certain courses or other appropriate requirements. Failure to meet the conditions of the suspension may result in disenrollment, further suspension or denial of re-admission to the University.

Administrative Drop

Students found lacking the required prerequisites for a course may be administratively dropped after written notification to the student. It is advisable that students be informed of the problem at the first day of the class and allowed to change their schedules accordingly. If the student does not drop, the instructor may initiate the administrative process; however, if the student is allowed to remain in the class, that student will be assigned the grade earned in the course.

Attendance is expected at all sessions of each course for which the student is enrolled; the responsibility for attendance is placed upon the student. All instructors should clearly set attendance policies for their courses detailing the consequences for non-attendance. Faculty are not responsible for withdrawing students who do not attend. Non-attendance does not imply withdrawal from a course.

Complete Withdrawal from the University

A student may completely withdraw from the University by the deadline published in the semester schedule of classes. Full-time enrolled students must complete a university withdrawal procedure starting at the Office of the Registrar. Part-time evening college students may withdraw at the Office of the Registrar. Grades will be posted for students who do not go through official withdrawal. A student who is forced by emergency circumstances to leave the university without officially withdrawing should notify the Office of the Registrar and request an administrative withdrawal. In the event the student is unable to make such a call, the parents or guardian may do so on the student's behalf. Refunds will be made according to the tuition and fees refund schedule on Page 13.

Independent Study Courses

Several courses are offered which provide students with the opportunity to earn credit for independent study. Requirements and topics are established by the instructor in consultation with the student **prior to registration**.

An "Approval for Special Study Courses" form must be completed by the student and signed by the instructor and the college dean prior to registration. This form includes the topic of study and the number of credit hours to be earned. Copies of this agreement are filed in the student's college file and with the registrar.

Grading for independent study courses is the same as for all other courses of the University unless otherwise specified.

Credit by Examination

The maximum amount of credit from a combination of special credit or examination(s) (ACT, CLEP, Challenge, Military Service Credit, DANTES, Advanced Placement) which may be applied toward a bachelor's degree is 50 credit hours. The maximum amount of this credit from a combination of examination(s) which may be applied toward an associate's degree is 32 credit hours.

Course Challenging

Course Challenging is an alternative approach to traditional classes for earning credit in a course. This option is available for students enrolled through ENMU-Portales.

A full-time student on the Portales campus may receive credit for a course without class attendance. A part-time student on the Portales campus may petition for challenge credit as well.

A student wishing to challenge a course offered by the department and listed in the catalog begins by consulting with the instructor of that course and the department chair. A student who has already enrolled in the course or who has attended more than four weeks of the course will not be eligible to challenge the course. The faculty member or chair may require the student to produce materials demonstrating the student's preparation in the area challenged or evidence of prior course work. Normally, a student will not be allowed to challenge a course if a higher-level course has already been taken and passed. Course challenges may take the form of exams, projects, writing assignments or several different measures of course competency. Students should discuss these requirements with the instructor and department chair before deciding to challenge a course.

After consultation, the student should secure a memo from the instructor and chair authorizing the challenge. This memo, when signed by the dean, should be taken to the cashier, the challenge fee paid and the receipt plus the memo returned to the instructor administering the challenge.

The challenge exam will be scheduled at a time convenient both to the student and the instructor. If the challenge is successfully completed, the faculty member completes a "Challenge Form" (Change of Grade form amended to read "Challenge") reflecting a "CRE" grade awarded for the challenge if the student has earned a "C" or better. If the student did not earn a "C," no form is completed and no entry is made on the student's transcript. A student may petition to challenge the course a second time, but another fee must be paid and a different test must be prepared. A maximum of 21 credits may be earned through course challenging. For CLEP examination, ACT and AP credit options, please see above and Pages 25 and 28–30.

Advanced Placement (AP) Examinations

Students may earn credit from Advanced Placement (AP) Examinations in all areas except studio art and history. Credit may be awarded to beginning freshmen who complete AP examinations **before** full-time enrollment at Eastern New Mexico University in Portales. Credit is awarded only after successful completion of 12 or more credit hours. AP credit will be accepted for transfer students as recorded on official transcripts from accredited colleges.

Please see Page 29 for listings of credits, score levels, and course equivalents for AP examinations.

Please contact the Office of the Registrar for further information about AP credits.

ACT Credit Examination Program

1. ENMU will give up to nine hours of credit for ACT examination scores as follows:

		Credit	
Course	Score	Applied	То
English	31	3 hours	ENG 102
Math	31	6 hours	MATH 107 and 113

- Credit is given to beginning or transfer freshmen who take the ACT examination before the first registration at ENMU-Portales. High school students participating in the early admission program must have taken the examinations before the first full-time registration. Credit is awarded only after successful completion of 12 or more credit hours at ENMU-Portales.
- 3. Any credit earned through CLEP, AP and ACT must be mutually exclusive. A student cannot earn three hours of English credit through ACT and another three hours of credit for English through CLEP or AP, for example. The total number of credits accepted from any combination of CLEP general and ACT cannot exceed 30 credit hours.
- Contact the Office of Enrollment Services for further details, (505) 562-2178.

Veterans' Standards of Progress

Courses at ENMU are approved for certification of veterans, active military personnel and eligible dependents for educational assistance under the G.I. Bill.

For certification purposes, the following load requirements are specified:

	Undergraduate Credit Load	Benefits Allowed
Fall/Spring		
Semesters	12	full pay
	9–11	three-fourths pay
	6–8	one-half pay
	less than 6	tuition and fees
Summer		
Sessions	4 or 8 weeks	See the VACO in the Office of
		the Registrar for summer
		benefits allowed.

After proper certification has been made and approved, persons receiving veteran benefits are required to make "satisfactory progress toward an educational goal" to continue receiving benefits. Generally, students are making "satisfactory progress" when scholastic requirements and attendance policies as published in this catalog have been fulfilled. In addition, students must satisfy program rates as stipulated by law. It is the veteran's responsibility to confirm details of certification in the Office of the Registrar, Administration Building, Room 105. This certification is required for each term of attendance in order to initiate or reactivate veteran benefits.

Application for advance pay must be submitted 45 days in advance. Regular monthly payments are made at the end of each month. Advance pay has certain stipulations. See the VACO in the Office of the Registrar for information.

ENMU Advanced Placement Credit Awards

Examination	Score Level	Sem. Hrs.	ENMU Course Equivalent
Art History			
	3	3	ART 165
	4, 5	6	ART 165 and 166
Biology			
	4, 5	8	BIOL 113/113L and 151/151L
Chemistry			
	4, 5	5	CHEM 151/151L
Computer Science			
A	3	3	CS 123
AB	3	3	CS 123
	4, 5	6	CS 123 and 134
Economics		1	
Microeconomics	3, 4, 5	3	ECON 222
M acroeconomics	3, 4, 5	3	ECON 221
English			
Language & Composition	3, 4, 5	3	ENG 102
Literature & Composition	3	3	ENG 102
	4, 5	6	ENG 102 and 211
French, Level 3			
Language	3	4	FR 101 or 102
	4, 5	6	FR 201 and 202 (pending department faculty review)
Literature	4, 5	6	FR 420 and either 201 or 202 (pending department faculty review)
German			
	3	4	Language elective
	4, 5	6	Language elective
Government & Politics			
United States	4, 5	3	PSCI 102
Comparative	4, 5	3	PSCI 207
History			
United States	4, 5	6	HIST 101 and 102
European	4, 5	6	HIST 121 and 122
Physics			
В	3	3	PHYS 151 (pending department faculty review)
	4, 5	6	PHYS 151 and 152 (pending department faculty review)
C	3	3	PHYS 151 (pending department faculty review)
(mechanics)	4, 5	6	PHYS 151 and 201 (pending department faculty review)
(mechanics, electricity and magnetic	sm) 4,5	9	PHYS 151, 201 and 202 (pending department faculty review)
Psychology		-	P.977 4 6 4
	3, 4, 5	3	PSY 101
Latin			
	3	4	Language elective
	4, 5	6	Language elective
Mathematics			
Calculus AB	3	3	MATH 124
	4, 5	6	MATH 124 and 132
Calculus BC	3	6	MATH 124 and 132
	4, 5	9	MATH 124, 132 and 202
Music Theory	2	2	NUL 161
	3	3	MUS 151
	4, 5	6	MUS 151 and MUS 152
Spanish, Level 3			
Language	3	4	SPAN 101 or 102
	4, 5	6	SPAN 201 and 202 (pending department faculty review)
Literature	4, 5	6	3 cr. hrs. of upper-division electives in Spanish and either SPAN 201
			or 202 (pending department faculty review)

ENMU CLEP Test Policy

	Cut-Off		
	Score for Credit	Harris	ENML Course Facilitations
General Examinations	Credit	Hours	ENMU Course Equivalent
Freshman English Composition	50	3	ENG 102 English Composition
Humanities	50	6	HUM 221 Intro to World Humanities
Humannes	30	0	ENG 201 Types of Literature
College M athematics	50	6	MATH 107 Intermediate Algebra
conege matienates	50	0	MATH 107 Interintenate Algebra MATH 113 Mathematical Discovery
Social Science and History	50	3	Transcript credit for General Education, Social Studies only
Subject Examinations		-	
Accounting, Principles of	50	6	ACCT 211 Intro to Managerial Accounting
		-	ACCT 212 Intro to Financial Accounting
American Government	NC		
American Literature	NC		
Analyzing and Interpreting Literature	NC		
Biology, General	50	3	BIOL 113 Biology for General Education
Business Law, Introductory	50	3	BUS 315 course credit; Not upper-division credit
Calculus	50	4	MATH 124 Calculus I
Calculus with Elementary Functions	50	3	MATH 124 Calculus I
Chemistry, General	50	6	CHEM 151 and 152 General Chemistry I & II
College Algebra	50	3	MATH 119 College Algebra
College Algebra/Trigonometry	50	3	MATH 120 Plane Trigonometry
College Composition (with essay)	50	3	ENG 102 English Composition
College French Level 1 & 2	50	8	FR 101 and 102 Beginning French
College German	50	8	Lower-division elective in modern language credit
College Spanish	50	8	SPAN 101 and 102 Beginning Spanish
Educational Psychology, Introduction to	50	3	Lower-division psychology elective credit
English Composition	NC		
English Literature	NC		
History of USA I (Early Colonization in 1877)	50	3	HIST 101 Survey of American History to 1877
History of USA II (1865 to present)	50	3	HIST 102 Survey of American History since 1877
Human Growth and Development	50	3	PSY 201 Child Psychology
Information Systems and Computer Applications	50	3	Lower-division CIS elective credit
Macroeconomics, Principles	50	3	ECON 221 Principles of Macro Economics
Management, Principles	50	3	Lower-division business elective credit
Marketing, Principles of	50	3	MKT 301 course credit; Not upper-division credit
Microeconomics, Principles of	50	3	ECON 222 Principles of Micro Economics
Natural Sciences	NC		
Psychology, Introductory	50	3	PSY 101 Introductory Psychology
Sociology, Introductory	50	3	SOC 101 Introductory Sociology
Trigonometry	50	3	MATH 120 Plane Trigonometry
Western Civ. I: Ancient Near East to 1648	50	3	HIST 121 Survey of Western Civilization
Western Civ. II: 1648 to present	50	3	HIST 122 Survey of Western Civilization

ENMU DANTES

	Cut-Off Score		
Examination Title	for Credit	Hours	ENMU Course Equivalent
Anthropology, General	NC		
Art of the Western World	NC		
Astronomy	NC		
Business Law II	52	3	Upper-division business elective
Business Mathematics	48	3	Lower-division math requirement
Business, Introduction to	46	3	BUS 151 Introduction to Business
Civil War and Reconstruction, The	47	3	HIST 433 The Civil War Era; Not upper-division credit
Computing, Introduction to	45	3	Lower-division business elective
Criminal Justice	70	3	CJ 102 Introduction to Criminal Justice
Drug and Alcohol Abuse	NC		
Environment and Humanity: The Race to	NC		
Ethics in America	NC		
Financial Accounting, Principles of	49	3	ACCT 212 Introduction to Financial Accounting
Foundations of Education	NC		
Fundamental of College Algebra	47	3	MATH 107 Intermediate Algebra
Here's to Your Health	NC		
History of Vietnam War	49	3	HIST 493 TPS/Vietnam; Not upper-division credit
Human Resource Management	48	3	Lower-division elective
Human/Cultural Geography	NC		
Law Enforcement, Introduction to	70	3	Lower-division criminal justice electives
Lifespan Developmental Psychology	NC		
Management Information Systems	46	3	Upper-division elective for non-majors
Modern Middle East, Introduction to	NC		
Money and Banking	48	3	Upper division economics elective
Organizational Behavior	48	3	MGT 313 Course credit; Not upper-division credit
Physical Geology	NC		
Physical Science I, Principles of	NC		
Public Speaking, Principles of	NC		
Rise and Fall of Soviet Union	NC		
Statistics, Principles of	48	4	STAT 213 Statistical Methods I
Supervision, Principles of	46	3	Lower-division elective
Technical Writing	NC		
World Religions, Introduction to	59	3	Lower-division credit

General Degree Requirements

Each student is solely responsible for complying with all academic regulations of the university and with all academic requirements of the curricular program he/she selects.

Associate Degree (AA) Requirements

- 1. 64 hours minimum
- 2. 2.00 institutional (ENMU) GPA
- 3. 2.00 institutional (ENMU) GPA in major (Colleges may require higher in major)
- 4. Final 15 hours earned from ENMU-Portales.
- 5. 35-36 hours minimum of General Education courses

Note: ENG 102/108 and ENG 104/109 require grades of "C" or better.

- 6. Subject matter curricula specified in degree plan
- 7. Three hours of UNIV 101 Freshman Seminar are required for all degree-seeking students with fewer than 30 credit hours successfully completed. The course must be taken in the first semester of enrollment at ENMU.
- 8. Completion of institutional general education assessment (See Page 33).

Note: The maximum number of hours which may be applied to the associate degree from ACT, advanced standing, CLEP or challenge examinations or from military credit is 32.

Bachelor's Degree Requirements

- 1. 128 hours minimum
- 2. 46-50 hours minimum of General Education courses

Note: ENG 102/108 and ENG 104/109 require grades of "C" or better.

3. 40 hours minimum of upper-division work

Note: All BBA Degrees require at least 51 hours of upperdivision business course work (300- and 400-level classes) except Agricultural Business which requires 45 upper-division hours.

- 4. 2.00 institutional (ENMU) GPA
- 5. 2.00 institutional (ENMU) GPA in major and minor (Colleges may require higher in major)
- 6. 32 hours completed at ENMU
- 7. 24 hours of the final 33 hours must be taken at ENMU
- 8. 15 of the final 33 hours must be upper-division
- 9. Three hours of UNIV 101 Freshman Seminar are required for all degree-seeking students with fewer than 30 credit hours successfully completed. The course must be taken in the first semester of enrollment at ENMU.
- 10. Completion of institutional general education assessment. (See Page 33).

Note: The maximum number of hours which may be applied to the bachelor's degree from ACT, advanced standing, CLEP or challenge examinations, or from military credit is 50.

Bachelor of Arts (BA) Degree Requirements

- 1. The ten Bachelor's Degree Requirements stated above
- 2. a. 24 hour (minimum) major; AND

15 hour (minimum) minor, or a second major

OR

- b. 54 hour (minimum) composite major
- 3. Proficiency in a second language (other than English)
 - a. One year (courses 201, 202) of a language successfully studied in high school
 - b. Two years (courses 101, 102, 201, 202) of a language begun in college
 - c. Passing a language proficiency test at the second year level

Bachelor of Science (BS) Degree Requirements

- 1. The ten Bachelor's Degree Requirements stated above
- 2. 24 hour (minimum) major
- 3. 15 hours (minimum) minor, or a second major OR
- 4. 54 hour (minimum) composite major

Bachelor of Occupational Education (BOE) Degree Requirements

- 1. 128 hours minimum
- 2. 18 hours minimum of upper-division course work
- 3. 2.00 institutional (ENMU) GPA
- 2.70 institutional (ENMU) GPA in secondary concentration areas Note: A grade of "D" will not count in the secondary concentration area courses.
- 5. 33 hours completed at ENMU
- 6. 24 of the final 33 hours must be completed at ENMU
- 7. 15 of the final 33 hours must be upper-division
- 8. Completion of institutional general education assessment. (See Page 33).

Bachelor of Applied Arts and Sciences (BAAS) Degree Requirements

- 1. 128 hours minimum
- 2. 18 hours minimum of upper-division course work
- 3. 2.00 institutional (ENMU) GPA
- 2.00 institutional (ENMU) GPA in secondary concentration area(s) Note: A grade of "D" will not count in the secondary concentration area courses.
- 5. 33 hours completed at ENMU (includes any ENMU campus)
- 6. 24 of the final 33 hours must be completed at ENMU (includes any ENMU campus).
- 7. 15 of the final 33 hours must be upper-division
- 8. Completion of institutional general education assessment. (See Page 33).

Bachelor of Science in Education (BSE) Degree Requirements

- 1. 128 hours minimum
- 55-56 hours of Teaching Degree General Education Note: ENG 102/108 and ENG 104/109 require grades of "C" or better.
- 3. 40 hours minimum of upper-division work
- 4. 2.80 cumulative GPA
- 5. 2.80 cumulative GPA in major or minor. All grades in major and minor courses must be "C" or better.
- 6. 32 hours completed at ENMU
- 7. Hours completed see Teacher Education Coordinator
- 8. 24 of the final 33 hours must be tken at ENMU
- 9. 15 of the final 33 hours must be upper-division
- 10. Three hours of UNIV 101 Freshman Seminar are required for all degree-seeking students with fewer than 30 credit hours successfully completed. The course must be taken in the first semester of enrollment at ENMU.
- 11.Completion of institution general education assessment (See Page 33).

Note: The maximum number of hours which may be applied to the bachelor's degree from ACT, advanced standing, CLEP or challenge examinations, or from military credit is 50.

Bachelor of Arts in Education (BAE) Degree Requirements

- 1. The eleven BSE Degree Requirements as stated on Page 33.
- 2. Proficiency in a second language (other than English) as described in the Bachelor of Arts Degree Requirements.

Bachelor of Fine Arts (BFA) Degree Requirements

- 1. The eleven bachelor's degree requirements as stated on Page 32.
- 2. Minimum GPA as stipulated by Art and/or Theatre/Dance department.
- 3. Admission requirement and process as stipulated by Art and/ or Theatre/Dance department.
- 4. Final project as stipulated by Art and/or Theatre/Dance department.

Assessment Degree Requirement

As a requirement for graduation, students who have completed 55 to 75 credit hours must participate in institutional testing of the general education program. Participation in the assessment activity, designated by the Assessment Resource Office, will fulfill this degree requirement. Students who fail to participate will not be allowed to register for future semesters until the requirement has been satisfied.

Academic Advising

All first-time college students at Eastern are advised by advisors in the Office of Advising for their first year. These advisors help students plan their first two semesters of courses, explore majors and learn to do their own academic planning. When students declare their major (see below), they are assigned an academic advisor who teaches in their chosen major. The Office of Academic Advising and the Freshman Year is located in the Student Academic Services building, Room 232, (505) 562-2338.

Declaration of a Major

On the ENMU admissions forms, students indicate an area of academic interest. However, all students must formally declare a major. The student is required to declare a major at or before the completion of 45 hours. This allows for careful planning with an academic advisor in the major field for meeting the requirements of that major. A student declares a major by meeting with the records clerk of the college in which the major discipline resides and filling out a "Declaration of Major" form.

Degree Plan

An official degree plan must be filed at or before completing 45 hours. This degree plan is signed by the student, advisor, department chair and college dean and filed with the records clerk.

Records clerks are located in SAS 170, (505) 562-2780.

Change of Major

A student may change majors at any time by reporting to the Office of Student Records into which he/she wishes to go and by filing a "Change of Major" form with the records clerk. Students may be encouraged to come forward to the current catalog when changing majors.

Composite Major

The composite major requires a minimum of 54 hours in two or more related fields. Composite majors do not require a minor. A "D" grade will not count in the composite major.

Major

A major is an area of specialization for a student usually consisting of 36 hours in that area. Thirty-six-hour majors require a minor as well in Bachelor of Arts (BA) and Bachelor of Science (BS) degrees. **A "D" grade will not count in the major.**

Minor

A minor is a second field of study in which a student may earn a minimum of 15 hours. A "D" grade will not count in the minor.

Academic Abbreviations

The following abbreviations are used to denote courses in a particular discipline and will be used throughout this catalog:

-	iu will be used throughout this catalog.
ACCT	Accounting
AG	Agriculture
ANTH	Anthropology
ART	Art
BED	Business Education
BIOL	Biology
BLED	Bilingual Education
BUS	Business Administration
CDIS	Communicative Disorders
CHEM	Chemistry
CIS	Computer Information Systems
COMM	Communication
CS	Computer Science
CJ	Criminal Justice
DNC	Dance
ECON	Economics
EDF	Education Foundations
EET	Electronics Engineering Technology
ELED	Elementary Education
ENG	English
ENGR	Engineering
EXCH	Exchange Study
FCS	Family and Consumer Sciences
FIN	Finance
FR	French
GEOG	Geography
GEOL	Geology
GR	Greek
HEB	Hebrew
HIST	History
HPE	Health and Physical Education
HUM	Humanities
MATH	Mathematics
MGT	Management
MKT	Marketing
MUED	Music Education
MUS	Music
NURS	Nursing
PHIL	Philosophy
PHSC	Physical Science
PHYS	Physics
PSCI	Political Science
PSY	Psychology
PTE	Professional Technical Education
RED	Reading Education
REL	Religion
SED	Secondary Education
SOC	Sociology
SPAN	Spanish
SPED	Special Education
STAT	Statistics
SWK	Social Work
THTR	Theatre
UNIV	Freshman Seminar
UNIV	r resinnan Seminai

Degree Abbreviations

0	
AA	Associate of Arts
AS	Associate of Science
BA	Bachelor of Arts
BAA	Bachelor of Applied Arts and Sciences
BAE	Bachelor of Arts in Education
BAS	Bachelor of Applied Science
BOE	Bachelor of Occupational Education
BBA	Bachelor of Business Administration
BFA	Bachelor of Fine Arts
BM	Bachelor of Music
BME	Bachelor of Music Education
BS	Bachelor of Science
BSE	Bachelor of Science in Education
BSN	Bachelor of Science in Nursing
BSW	Bachelor of Social Work
BUS	Bachelor of University Studies
	-

Associate Degree General Education Requirements

Course Requirements

I.	Communicating Effectively
II.	Understanding and Applying Mathematical Principles
III	Science (with labs; two classes from different disciplines)
N /	Classes cover the scientific method and history of science, focusing on "discovery" approaches and general themes as opposed to primarily being a data-oriented class. One Life Science: BIOL
IV.	Arts
	Classes focus on creative thinking, concept of beauty, the process of expressing art and its role in culture, etc.; include appreciation and creative applications classes. ART 101, 106, 131, 165, 166, 210, 231, 271 DNC 101, 102, 108, 210
	MUS 101, 113, 151, 163, Music Ensembles
	THTR 111, 121
V.	Social Science
	(Two classes from different disciplines)
	BUS 151 ECON 221, 222
	FCS/ELED 221
	PSCI 101, 102
	PSY 101, 134, 201, 202
vī	SOC 101, 212, 215 Humanities
VI.	(Two classes from different disciplines)
Bachelor's Degree General Education Requirements

Note: General Education Requirements for teaching degrees differ from those for other degrees and may be found on Page 45.

Course Requirements

I.	Communicating Effectively 12 hours
	ENG* 102 or 108
	ENG* 104 or 109 3 hours
	COMM 101/101L or 102
	CIS 151 or CS 114
	*Note: Grade of "C" or better required for satisfactory
	completion.
II.	Understanding and Applying Mathematical
	Principles
	Option A (any two):
	MATH 107, 113, 114, 119, 120, STAT 213 6-7 hours
	Recommended sequences:
	(1) MATH 113, 114 (2) MATH 107 or 119, STAT 213
	Option B: MATH 124 or any math class
	with this as a prerequisite
III	. Wellness
	HPE 142
	HPE activity course
	(Active duty military and veterans may secure a waiver for these
	two hours.)

Classes listed below are currently approved for the "Distributive" categories

IV. Science (with labs; 2 classes from different disciplines) 8 hours Classes cover the scientific method and history of science, focusing on "discovery" approaches and general themes as opposed to primarily being a data-oriented class. One Life Science: BIOL 4 hours One Physical Science: ANTH 245/245L, CHEM, GEOL, PHYS 4 hours V. Arts (Two classes from different disciplines) 6 hours Classes focus on creative thinking, concept of beauty, the process of expressing art and its role in culture, etc.; include appreciation and creative applications classes. ART 101, 106, 131, 165, 166, 210, 231, 271 DNC 101, 102, 108, 210 MUS 101, 113, 151, 163, Music Ensembles THTR 111, 121 VI. Social Science (Two classes from different disciplines) 6 hours Classes focus on individual and society and an understanding of social behavior from various modes of inquiry. Classes also relate the student's own experiences to the complex, pluralistic and global societies. ANTH/GEOG 103, 233, ANTH 243 BUS 151 ECON 221, 222 FCS/ELED 221 PSCI 101, 102 PSY 101, 134, 201, 202 SOC 101, 212, 215 VII. Humanities (Two classes from different disciplines) 6 hours Classes explore traditions and thinking which shaped the Western world, various modes of analysis and varied ways people have experienced their culture and the larger world. This section

includes traditional "humanities" disciplines such as history, philosophy, literature, languages and religion, but might also include classes from other disciplines. HIST 101, 102, 121, 122, 203 ENG 201, 211, 221, 222, 251, 252, 275 FR 101, 102, 201, 202

HUM 221, 222 PHIL 201, 202, 211

REL 101, 103 SPAN 101, 102, 201, 202

Junior-level classes with an interdisciplinary approach to cultural diversity and global interconnectiveness. The class should be writing-intensive, focus on general education concepts and include issues of ethics, civil responsibility, justice, etc. Classes could come from any discipline but need to be general enough for enrollment of students who have completed only general education classes in the area, i.e. no other prerequisites. AG 312; ANTH 310, 333, 340; BUS 302, 310; CJ 310;

COMM 310, 330, 331; DNC 394; ENG 319, 378, 379; FCS 310; HPE 321; MUS 375; NURS 312; PSCI 330; SOC 302.

Total General Education

Requirements 46–50 hours

General Education Philosophy

Purpose — The General Education curriculum at Eastern New Mexico University is designed to:

- prepare graduates for a lifetime of learning and responsible citizenship;
- provide for the study of a broad spectrum of subjects beyond the student's chosen field and
- help students develop substantial analytical and communicative skills; gain a sense of social, ethical, and cultural values and appreciate the application of these values in societies.

Learning Requirements — The General Education curriculum is designed to fulfill the following learning outcomes:

- use written and spoken English effectively, which includes the ability to read and to listen with understanding and critical discernment;
- understand and apply scientific principles and develop an awareness of the role of science and technology in the contemporary world;
- understand and be able to utilize modern technology (including computer literacy);
- understand and apply basic mathematical principles;
- gain a basic understanding of human society and cross-cultural variations, including the ways individuals and groups function, interact and change;
- gain a perspective on the humanities in order to appreciate their value to the individual and society;
- develop an awareness and appreciation of fine arts through cognitive activities and affective experiences;
- develop an awareness and appreciation for culturally diverse value systems and modern realities of global interconnections within a framework of understanding and justice;
- acquire abilities to promote physical and mental well-being;
- pursue the opportunity to explore or further develop interests outside major or minor.

Subject Matter Endorsement Area/Minor

A subject matter endorsement area/minor is a component of a teaching degree. It is a second field of study and prepares a student for licensure to teach in that field as well as in his/her major. The subject matter endorsement area is the minor for teaching degrees and generally requires a minimum of 24 hours.

Emphasis

An emphasis is an area of specialization within a major.

Honors Opportunities

The university seeks to promote academic excellence by bringing together outstanding students with talented faculty in an innovative curricular process. To that end, ENMU offers special classes for high-ability students. Some of the courses are team-taught and interdisciplinary in nature. The course offerings will count toward General Education, major, minor and elective degree requirements. **Eligibility** — Matriculating students with ACT Composite score of 25 or above (1050 SAT) are invited to enroll in honors courses. Other students who do not believe their ACT Composite score reflects their abilities may contact the instructor of an Honors class for permission to enroll. Students remain eligible to take Honors courses by maintaining a 3.50 cumulative GPA.

Recognition — Students in Honors classes participate in several special intellectual and social events scheduled during the year. Student transcripts will indicate Honors course work has been completed.

Student-Designed Educational Program

The Student-Designed Educational Program (SDEP) allows a student, with appropriate advisement, supervision and approval to design a major tailored to meet his/her specific academic and career goals. The plan utilizes existing courses in the ENMU catalog and schedule and is a logical and cohesive approach to developing the knowledge, skills, competencies and expertise needed to meet the proposed objectives of the plan. The proposed SDEP must be based on a reasonable and defensible rationale and must document the fact that existing majors do not meet the career or academic goals of the student.

The proposal for the SDEP must be submitted by the student to a committee of faculty from the appropriate departments and deans of appropriate colleges **prior to the beginning of the junior year** (**60 hours**). The proposal must contain the following:

- 1. A rationale/justification for the proposed program, including an explanation of why existing majors do not fulfill the student's needs;
- 2. Academic and/or career goals and objectives to be met by the program;
- 3. Appropriate course clusters (from existing courses) which are designed to meet the goals and objectives.

Once approved by the appropriate faculty and administrators, the proposal becomes the degree plan and is altered in the same manner.

Proposal forms for the SDEP are available in the deans' offices and the Office of Academic Affairs.

Degree: Bachelor of Arts (BA) or Bachelor of Science (BS) Major: Student-Designed Composite (Two or more areas)

Bachelor's Degree Requirements, see Page 32 Includes:

UNIV 101 Freshman Seminar (3)

General Education Requirements (46–50 hours), see Page 36

Courses in Composite Major (54-60 hours)

Must have a minimum of 36 hours of upper-division course work

Electives (15–25 hours to complete at least 128 hours)

College of Business

Our mission is to provide a relevant, innovative education which prepares individuals for professional careers and lifelong learning. We achieve our mission through

- the recruitment and retention of a diverse faculty and student body,
- a curriculum responsive to the needs of the marketplace,
- the provision of distance learning to eastern New Mexico via the latest in education technology and
- adherence to professional accreditation standards. •

We operate through an open and accessible governance structure which allows for and promotes self and independent evaluation for both faculty and students. The College of Business (COB) is organized by functional area rather than academic discipline. The Department of Business Foundations is responsible for the development and delivery of the core business curriculum. The Department of Advanced Business Studies designs and monitors the course requirements for specific business majors, minors and/or areas of concentration.

Professors

Professors:	Bill Brunsen
	Dale Davis
Associate Professors:	Janet Buzzard
	John Humphreys
	David Hemley
	Gerry Huybregts
	Donald Morris
	Lee Weyant
Assistant Professors:	Ron Blevins
	Alan Chmura
	Steven Palmer
	Ken Sanders
	Sue Stockly
	John Stockmyer
Instructors:	Greg Hobbs
	Trish James-Maguire
	Gene Smith

The College of Business awards the Bachelor of Business Administration (BBA). General Education Requirements and the Business Core Requirements are common to all BBA degrees and are listed below.

General Education Requirements for all BBA Degrees (46-50 hours)

310	Global Business (3)		
151	Basic Computer Skills (3)		
221	Principles of Macro Economics (3)		
102	English Composition (3)		
104	English Composition and Research (3)		
119	College Algebra (3)		
213	Statistical Methods I (4)		
24-28 hours that meet the General Education requirements on			
	151 221 102 104 119 213		

Students must achieve a grade of "C" or better in all General Education requirement courses specified by the College of Business for the BBA degree.

Business Core Requirements for all BBA Degrees (36 hours)

Business	Founda	tions Requirements (12 hours)
ACCT	211	Introduction to Managerial Accounting (3)
ACCT	212	Introduction to Financial Accounting (3)
BUS	151	Introduction to Business (3)
ECON	222	Principles of Micro Economics (3)
Business	Commo	n Body of Knowledge Requirements (24
hours)		
BUS	315	Business Law I (3)
BUS	330	Production and Operations
		Management (3)
BUS	381	Business Research and Analysis (3)
BUS	453	Business Strategy and Policy (3)
CIS	351	Microcomputing for Business (3)
FIN	311	Corporation Finance (3)
MGT	313	Management and Organizational
		Behavior (3)
MKT	301	Principles of Marketing (3)

College of Business Degrees Offered

	Minor	Major	Emphasis	Endorsement Area/ Minor for Licensure	Degree
Accounting	*	*			BBA
Agricultural Business		*			BBA
Business	*				
Business Administration		*			BBA
Applied Economics and Finance			*		BBA
Management			*		BBA
Marketing			*		BBA
Business Education	*	*		*	BBA
Computer Information Systems	*	*			BBA
Marketing Education	*	*		*	BBA

The Bachelor of Business Administration degree requires at least 51 hours of upper-division business credits, except Agricultural Business which requires 45 upper-division credits. Students may substitute two semesters of the same foreign language at the lower division for 6 elective upper-division hours to meet the 51 upper-division requirement.

All Bachelor of Business Administration degrees have composite majors and do not require a minor.

Satisfactory Progress Toward Degree

Students must earn a grade of "C" or better in all courses required for the BBA degree.

Transfer Students

Some courses must be taken at ENMU or have written approval to be taken elsewhere (in order to ensure course equivalency for transfer credit) and be accepted into ENMU College of Business degree plan. Such courses are identified for the following majors.

Accounting	ACCT 305, 306, 307 and 422
Agricultural Business	FIN 311, BUS 453 and AG 311
Business Administration	FIN 311, BUS 453
	and 9 of the additional 21
	hours of COB upper-division
	electives required for the major.
Business Education/endorsement or	
Marketing Education/endorsement	FIN 311 and BUS 453

Note: The COB continues to allow any student to challenge any of these courses and receive ENMU credit by examination.

Internships

Students may choose to pursue an Internship for academic credit. If a student does choose an Internship, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

Accounting

The objectives of the accounting program are to prepare students for entry into the accounting profession and to provide courses that will facilitate the attainment of professional accounting certification. Professional certification and career paths are available as follows:

- A. Public Accounting Certified Public Accountant (CPA),
- B. Management Accounting Certified Management Accountant (CMA),
- C. Internal Auditing Certified Internal Auditor (CIA) or
- D. Governmental Accounting.

Students seeking professional certification should work with their advisor to identify the appropriate certification requirements and to develop a plan to meet those requirements. For example, the 150 credit hour requirement for the CPA exam in New Mexico may be accomplished through additional undergraduate course work or through the Master of Business Administration (MBA) degree.

Major:	Accounting	
--------	------------	--

Accounting Course Requirements (27 hours)			
ACCT	305	Intermediate Accounting I (3)	
ACCT	306	Intermediate Accounting II (3)	
ACCT	307	Intermediate Accounting III (3)	
ACCT	311	Cost Accounting (3)	
ACCT	371	Income Tax Accounting: Individual (3)	
ACCT	400	Accounting Information Systems (3)	
ACCT	422	Auditing (3)	
6 hours 300- or 400-level Accounting			

Minor: Accounting

Accounting Course Requirements (18 hours)				
ACCT	211	Introduction to Managerial Accounting (3)		
ACCT	212	Introduction to Financial Accounting (3)		
ACCT	305	Intermediate Accounting I (3)		
ACCT	311	Cost Accounting (3)		
6 hours upper-division ACCT electives selected after				
consultation with accounting advisor.				

Agricultural Business

The major in Agricultural Business is for those students who wish to pursue a career in those industries which service agriculture, including those which are engaged in the marketing of agricultural products.

Descriptions for AG courses begin on Page 105. Transfer students should carefully read Page 39.

Major: Agricultural Business

Agricultural Course Requirements (27–28 hours)

AG	101	Animal Science (3)
AG	203/L	Crop Science (3)
AG	311	Farm Management and Records (3)
AG	340	Marketing Agricultural Products (3)
AG	352	Agricultural Economics (3)
Any or	ne from:	C
AĠ	102	Dairy Science (3)
AG	121	Horse Production and Management (3)
AG	321	Feeding and Nutrition (3)
AG	351	Beef Production (3)
Any or	ne from:	
AG	204/L	Soil Science (3)
AG	221	Principles of Horticulture (3)
AG	304	Pest Management (3)
AG	331	Forage Crops and Pastures (3)
		Plant Science Topics (3)
200	1001 11	

300- or 400-level Agriculture Electives (6 hours)

Business Administration

The major in Business Administration is intended for those seeking breadth of knowledge rather than depth of specialization. Small business owners or generalists will appreciate the flexibility of selecting, with the assistance of their advisors, those courses within the functional disciplines which will best satisfy their needs. There is a restriction that no more than three courses can come from any one discipline with the exception of those students seeking an emphasis in Applied Economics and Finance, Management or Marketing. **Note:** Courses within the discipline may have one or more prerequisites.

Descriptions of BUS courses begin on Page 112. Transfer students should carefully read Page 39.

Major: Business Administration

Course Requirements in Related Areas (24 hours) 24 hours of 300- and 400-level classes from the College of Business, no more than 9 hours in any one area.

Emphasis: Applied Economics and Finance

Economics and Finance Course Requirements (18 hours)

ACCT	311	Cost Accounting (3)
BUS	381	Business Research and Analysis (3)
ECON	321	Macroeconomics for Business (3)
ECON	322	Managerial Economics (3)
FIN	431	Investments: Practices and Policies (3)
FIN	472	Economic/Finance Problems (3)

Emphasis: Management

Management Course Requirements (18 hours)			
BUS	330	Production and Operations	
		Management (3)	
BUS	381	Business Research and Analysis (3)	
MGT	313	Management and Organizational	
		Behavior (3)	
9 hours of 300- or 400-level COB electives			

Emphasis: Marketing

Marketing Course Requirements (18 hours)

Marken	ng Cours	se Requirements (10 nours)
BUS	381	Business Research and Analysis (3)
MKT	301	Principles of Marketing (3)
MKT	322	Retailing and E-Commerce (3)
MKT	360	Professional Selling (3)
MKT	425	Marketing Management (3)
3 hours of	of upper-d	ivision marketing or other business courses
after con	sultation	with marketing advisor

Minor: Business (for non-business majors)

Business	Course	Requirements (24 hours)
ACCT	211	Introduction to Managerial Accounting (3)
BUS	151	Introduction to Business (3)
BUS	315	Business Law I (3)
CIS	151	Basic Computer Skills (3)
ECON	200	Survey of Economics (3)
FIN	201	Principles of Finance (3)
MGT	313	Management and Organizational
		Behavior (3)
MKT	301	Principles of Marketing (3)

Note: Each of these courses may require a prerequisite. Check the catalog or your advisor.

Business Education

The teacher education program in the College of Business offers a BBA degree with two majors for secondary licensure: Business Education and Marketing Education.

Students should consult with their academic advisor to assure that they (1) complete the appropriate academic course work and (2) have the appropriate type and amount of work hours for certification.

The Bachelor of Business Administration degree with a business education major is a "Two Plus Two" program. In this program the student is expected to complete appropriate competencies (see notation under Business Education major below) outside the ENMU College of Business. The COB course offerings are limited to upperdivision (300- and 400-level) courses.

Transfer students should carefully read Page 39.

Students majoring in business education or marketing education will complete the teaching degree General Education requirements on Page 45 including:

COMM	102	Public Speaking (3)
ECON	221	Principles of Macro Economics (3)
MATH	119	College Algebra (3)
STAT	213	Statistical Methods I (4)
Students v	vill also n	eed to complete the following professional
education	requireme	ents:
BLED	350	Cultural and Linguistic Pluralism (3)
EDF	222/L	Structured Observation of Teaching (3)
EDF	301	Foundations of Schooling (3)
HIST	409	Teaching Social Studies (3)
SED	380	Secondary School Teaching/Learning (3)
SED	410	Issues in Secondary Teaching (3)
SED	450	Seminar in Student Teaching (2)
SED	460	Secondary Student Teaching (10)

SPED 305 Students with Disabilities in the Regular Classroom (3)

Note: A recent change in state teaching licensure regulations requires that all individuals seeking a secondary or K–12 license complete at least 3 semester hours of reading. Furthermore, the professional development courses may require the completion of prerequisites. Contact a secondary education faculty member for information about an acceptable course to fulfill the requirement.

Major: Licensure:

Business Education Secondary

In addition to requirements for the BBA degree and the courses identified above the student must demonstrate the following competencies transferred in from another institution (minimum grade of "C" is required): Advanced Typing, Administrative Office Procedures (to include filing), Office Machines (to include machine transcription, fax, calculators, and copy machines).

Major:Marketing EducationLicensure:SecondaryRequirements specified above plus thefollowing 9 hoursMKT322MKT360MKT360Professional Selling (3)3 hours of upper-division Marketing electives

Subject Matter Endorsement

Area/Minor: Business Education

Licensure:	Se	condary Only
_	l minimu	m 24 hours, including 12 upper-division
credits.		
Must inc	lude:	
ACCT	211	Introduction to Managerial Accounting (3)
HIST	409	Teaching Social Studies (3)
BUS	151	Introduction to Business (3)
BUS	315	Business Law I (3)
CIS	151	Basic Computer Skills (3)
CIS	351	Microcomputing for Business (3)
ECON	221	Principles of Macro Economics (3)
3 hours to	be selec	cted in consultation with advisor

Subject Matter Endorsement Area/Minor: Marketing Education

Licensure:	Licensure: Secondary Only						
Required	minim	um 24 hours, including 12 upper-division					
credits.							
Must incl	ude:						
ACCT	211	Introduction to Managerial Accounting (3)					
HIST	409	Teaching Social Studies (3)					
BUS	151	Introduction to Business (3)					
BUS	315	Business Law I (3)					
CIS	151	Basic Computer Skills (3)					
ECON	221	Principles of Macro Economics (3)					
MKT	301	Principles of Marketing (3)					
3 hours to	be sele	ected in consultation with advisor					

Computer Information Systems

The COB offers a major, as well as a minor, in Computer Information Systems (CIS). Students interested in careers working with computer hardware and software technologies should consider CIS. Courses and curriculum programs will develop knowledge and skills in computer problem analysis, design, software development, implementation and management of information technologies necessary for competing in today's automated and computer-oriented business world. Course offerings and curriculum programs are updated and maintained for consistency with perceived industry standards, the most popular and/or "best of breed" software technologies.

The CIS major consists of a common core and a selection of electives to develop technology skills in a variety of interest areas. The objective of the common core is to lay a knowledge, skill and implementation foundation in hardware and software technologies. The objective of the electives is to enable students to continue to develop skills in selected interest areas that might include: (1) Software Application Development, (2) Web Design and Development, (3) Networking Design and Administration and/or (4) Database Design and Implementation.

The CIS minor consists of 9 hours of required courses and 6 hours of elective courses. The required courses introduce students to CIS and lay a foundation for elective options. The electives provide students options to develop skills in interest areas that might include: (1) Web Design and Development, (2) Networking Design and Administration or (3) Database Design and Implementation.

Descriptions of CIS courses begin on Page 117. Transfer students should carefully read Page 39.

l ajor: Comput		mputer Information Systems nation Systems Course Requirements
(27 hou		
CIS Co	mmon Co	ore (21 hours)
CIS	185	Introduction to Computer Information Systems (3)
CIS	241	Introduction to Web Development (3)
CIS	300	Object Oriented Programming (3)
CIS	314	Overview of Operating Systems
		and Utilities (3)
CIS	331	Data Communications and Networking (3)
CIS	343	Database Management Systems (3)
CIS	420	Systems Development (3)
CIS Ele	ectives (6	hours)
CS	360	Object-Oriented Development (3)
		CIS upper-division electives are waived in
lieu of tl	he CS 123	and CS 134 prerequisites for CS 360)
CIS	330	Business Web Site Design (3)
CIS	430	Advanced Web Development (3)
CIS	435	Network Infrastructure Design (3)
CIS	440	Network Infrastructure Implementation and Administration (3)
CIS	443	Enterprise Database Programming and Administration (3)
linor:		mputer Information Systems nation Systems Course Requirements

r •	Comput	er mo	rmatio	in systems
mputer	Information	Systems	Course	Requirements

Computer Information	Sys
(18 hours)	
Required Courses (9 ho	mrc)

Μ

Μ

Required Courses (9 hours)						
CIS	185	Introduction to Computer Information				
		Systems (3)				
CIS	241	Introduction to Web Development (3)				
CIS	300	Object Oriented Programming (3)				
Elective C	Courses (9	hours)				
CIS	330	Business Web Site Design (3)				
CIS	331	Data Communications and				
		Networking (3)				
CIS	343	Database Management Systems (3)				
CIS	420	Systems Development (3)				
CIS	430	Advanced Web Development (3)				
CIS	435	Network Infrastructure Design (3)				
CIS	440	Network Infrastructure Implementation				
		and Administration (3)				
CIS	443	Enterprise Database Programming				
		and Administration (3)				

College of Education and Technology

The College of Education and Technology provides a variety of programs to satisfy the educational needs of New Mexico, the region and the nation. The college prepares individuals to assume a variety of roles in Education, Family and Consumer Sciences, Agriculture and Health and Physical Education. The college is committed to preparing students who function effectively in a pluralistic society by attempting to develop awareness, understanding, and appreciation for diversity. The curricula of the college prepare students for licensure in teaching as well as for a variety of professional careers.

The College of Education and Technology awards undergraduate degrees other than the Bachelor of Arts (BA) and the Bachelor of Science (BS). These are the Bachelor of Science in Education (BSE) and the Bachelor of Arts in Education (BAE), plus the Associate of Arts (AA) degree. The BSE and BAE are specifically designed for teacher preparation programs and require candidates to fulfill all state and university requirements for teacher licensure and endorsement. BAE candidates must, in addition, fulfill all requirements for the Bachelor of Arts (BA) degree found on Page 32.

College of Education and Technology Degrees						
	Minor	Major	Emphasis	Endorsement Area/ Minor for Licensure	Degree	
Department of Curriculum and I	nstru	ictio	n			
Bilingual Education				*		
Elementary Education		*			BAE, BSI	
English as a Second Language				*		
Language Arts				*		
Reading				*		
Department of Educational Studi	es					
Secondary Education	*					
Special Education		*			BAE, BSI	
Department of Family and Consu	mer	Scie	ence	s and		
Agriculture Composite	*	*		*	AA, BS	
Agricultural Communication			*		BS	
Agricultural Economics			*		BS	
General Agriculture			*		BS	
Vocational Agriculture			*		BS	
Early Care and Education		*			AA	
Early Childhood Education	*	*			BS	
Family and Consumer Sciences						
Composite	*	*		*	BS	
Business			*		BS	
General Family and						
Consumer Sciences			*		BS	
Human Services			*		BS	
Public Communication			*		BS	
Vocational Family and						
Consumer Sciences				*	BS	
Fashion Merchandising	*					
Pre-Forestry						
Department of Health and Physic		duca	tion			
Athletic Training	*					
Coaching	*					
Health Education				*		
Physical Education Composite		*		*	BS	
Community Physical Education		*			BS	
Sports and Recreation					_	
Management		*			BS	
Interdisciplinary Programs		_				
Professional Technical Education		*			BOE	

Teacher Education Program

Information in this section pertains to both the Department of Curriculum and Instruction and the Department of Educational Studies.

The Teacher Education Program seeks, through professional preparation and licensure, to prepare students for careers in public education. The programs offered by the Teacher Education Program are predicated on a conceptual framework that aligns Theory and Research for Effective Practices, and a Commitment to learning (TREC). TREC represents involvement in a shared journey toward excellence as members of a community of lifelong learners.

Courses are offered in the following areas: Bilingual Education (BLED), Curriculum and Instruction (CI), Education Administration (EDAD), Education Foundations (EDF), Elementary Education (ELED), English as a Second Language (ESL), Reading Education (RED), Secondary Education (SED) and Special Education (SPED). Descriptions of undergraduate courses are in the back of this catalog in alphabetical order; descriptions of the Curriculum and Instruction (CI), Education Administration (EDAD) and other graduate courses may be found in the ENMU Graduate Catalog. Undergraduate students who want to enroll in graduate courses must meet requirements as specified on Page 24 of this catalog. **The requirements of some programs at ENMU exceed State Department of Education minimum competencies.**

Student Advisement

Each student is responsible for complying with all regulations of the university and the curricular program selected. Because advisement is an important part of student planning, each student is assigned an advisor. The student has the responsibility to confer regularly with the faculty advisor. Additionally, students seeking licensure to teach in New Mexico must be aware of licensure requirements, particularly as Public Education Department requirements for licensure change. A degree or licensure plan should be prepared in consultation with the faculty advisor as early as possible to help ensure that courses taken may be counted toward graduation and licensure. Students seeking secondary (grades 7-12) licensure are advised by faculty in their majors. Questions regarding licensure should be directed to the student's advisor.

Appeals Procedure

Students may appeal any decision that affects their status in the Teacher Education Program if there is reason to believe that a decision was unfairly reached or violated a student's rights. To appeal a decision, students must comply with the appeals process, which is described in the Undergraduate Student Handbook available from the Office of the Coordinator of Teacher Education.

Grade Review

Grade review follows a procedure different from appeals. The policy of review of grades is available in the office of the Dean for the College of Education and Technology.

Teacher Education Programs

Admission to the Early Childhood, Elementary, Secondary and Special Teacher Education Programs

Students apply for admission to the Teacher Education Program during enrollment in EDF 222 Structured Observations of Teaching. Application forms will be distributed and collected during this course. The following are **minimum** criteria that must be met in order to be admitted to these programs:

- 1. Have completed a minimum of 40 semester hours of General Education (see Page 45, "Teaching Degree General Education Requirements") course work.
- 2. Have earned a GPA of at least 2.80 in all course work taken.
- 3. Score at least 240 on the New Mexico Assessment of Teacher Basic Skills. The Teacher Education Program recommends that students take the basic skills test no later than the semester of enrollment in EDF 222.
- 4. Students majoring in special education may take SPED 300 prior to being admitted into the Teacher Education Program. Students must be admitted into the Teacher Education Program and pass SPED 300 with a "B" or better before advancing to the next level of special education courses.

Students will be notified of their admission status prior to registration for 300-level education courses. Students who have been denied admission may reapply for a subsequent semester or may be eligible through an alternative route, but admission is not guaranteed.

Admission to the Early Childhood, Elementary, Secondary or Special Education Teacher Education Program neither admits the student to student teaching nor guarantees successful completion of the program.

Licensure–Only Students

Students who have a college degree from a regionally accredited institution and who desire to be licensed to teach in New Mexico must complete all courses, meet all deadlines and satisfy all requirements of the program (Early Childhood, Elementary Education, Secondary Education or Special Education) they wish to enter. The Teacher Education Program will accept no more than six semester hours of comparable professional education course work completed at another regionally accredited university. Degree-holding students who are seeking New Mexico licensure are responsible for consulting with an advisor in the appropriate program in the Teacher Education Program before enrolling in courses.

Alternative licensure for students with a college degree is available in Elementary and Secondary Education. Interested individuals should visit with an advisor.

Transfer Students

Students transferring to Eastern New Mexico University who wish to be licensed to teach in New Mexico must fulfill the requirements for admission to the Teacher Education Program. The Teacher Education Program will accept no more than six semester hours of comparable professional education course work completed at another regionally accredited university. Transfer students are urged to seek advisement for their first enrollment on this campus in order to create a degree plan and be advised of any recent changes in Teacher Education Program policy or Public Education Department regulations.

Student Teaching

Professional Semester of Courses

Student teaching is the culminating experience of the Teacher Education Program. Students must enroll in both the seminar and student teaching during their final semester and should reserve this semester for professional courses with no jobs, other courses or other duties that may interfere with the successful completion of the program.

Admission to Student Teaching

An application for student teaching must be approved by the Teacher Education Program the fall or spring semester prior to planned enrollment in the professional semester. To facilitate placement of student teachers into appropriate public schools, the university has arranged for accredited school systems in the area to cooperate with the program. With their assistance, the Coordinator of Teacher Education arranges placement of all student teachers in appropriate schools and teaching assignments. Admission to student teaching requires satisfaction of the following criteria:

- 1. Secondary student teachers must complete all requirements for the major and minor. Elementary and Special Education student teachers must complete all course requirements for the major and endorsements.
- 2. An application for admission to student teaching must be completed by the student and submitted to the Teacher Education Program by midterm of the fall or spring semester preceding the semester of enrollment in student teaching.
- 3. A minimum of 96 semester hours must be completed **before applying** for admission to the student teaching semester with a minimum cumulative GPA of 2.80.
- 4. A 2.80 GPA is required in the major teaching field.
- 5. A 2.80 GPA is required in each additional teaching field or endorsement area.
- 6. All credit hours earned in any teaching field in which the applicant is seeking licensure must have a grade of "C" or better.
- 7. A minimum grade of "C" or higher as specified in degree descriptions must be earned in all professional education and methods courses.
- 8. The New Mexico School Personnel Act requires that each person who works in a public or private school provide documentation that he or she is free of tuberculosis in a transmissible form. Each applicant for student teaching must submit documentation signed by a licensed physician or health care professional from the New Mexico Department of Health to the Coordinator of Teacher Education.
- 9. The student must be given clearance by Student Affairs.
- 10. The student must have passed all portions of the New Mexico Teacher Assessment (NMTA) tests.

Career Services and Follow-Up

The Office of University Career Services benefits both students and school administrators by establishing student files, making these credentials available as requested, and arranging appointments and interviews for students with prospective employers. During the student teaching semester, the Director of Counseling and Career Services visits appropriate classes to register all students.

Licensure

The information in this catalog is **subject to change** as the New Mexico Public Education Department guidelines are interpreted and implemented. Students must pass all appropriate parts of the state approved licensure test battery to become licensed in New Mexico. For more information contact the Public Education Department, Professional Licensure Unit, Education Building, 300 Don Gaspar, Santa Fe, NM 87501-2786, (505) 827-6581.

The Public Education Department requires applicants for teaching license to pass the New Mexico Teacher Assessment in Basic Skills, Teacher Competency, and an appropriate Content Area. The ENMU pass rate on the New Mexico Teacher Assessment can be found at www.enmu.edu.

The Teacher Education Program requires the following:

- Students must pass the Basic Skills Test for admission into the Teacher Education Program.
- Students must pass the Teacher Competency, and Content Area Tests for admission into student teaching.
- Additional tests may be required as state licensure requirements change.

Teaching Degree General Education Requirements (55–56 hours)

Course Requirements

I.	English	hours
	ENG* 102 or 108	hours
	ENG* 104 or 109	
	*Note: Grade of "C" or better required for satisfa	ctory
	completion.	
	COMM 101/101L, 102, or 202*	hours
	*COMM 202 is recommended for ELED majors	
	Any one from: ENG 201, 211, 221, 222	hours
	BLED/ELED minors may take ENG 376	
II.	History	hours
	HIST 101, 102	
	HIST 121 or 122	
	HIST 203	
	Any one from:	
	HIST 101, 102, 121, 122,	hours
	Note: No course may be counted more than once.	
III	. Mathematics	hours
	Two from: MATH 107, 113, 119,	
	261*, 361**, STAT 213	hours
	*MATH 261 is required for ELED and SPED.	
	**MATH 361 is required for ELED.	
IV.	Government, Economics or Sociology	hours
	PSY 201 is required for ELED and ECE	
	PSY 202 is required for SED	
	PSY 201 or 202 is required for SPED	
	Any one from: PSCI 101, 102; ECON 221, 222;	
	GEOG 233; SOC 101, 212, 215;	
	ANTH 123, 233, 243	hours
	*No more than one Psychology course may be counted.	
V.	Science	hours
	Note: All three science courses must include a one credit	hour
	laboratory to meet licensure requirements.	
	Life Science	hours
	Physical Science	hours
	Life Science or Physical Science	hours
VI	. Fine Arts	hours
	ART 131*,165, or 166;	
	HUM 221* or 222;	
	MUS 113A or 151 (MUS 151 for music majors only);	
	THTR 111; DNC 101	hours
	Note: Two areas must be represented.	
	*Strongly recommended	
VI	I. Physical Education 1	hour
	Activity Elective 1	hour

Total Teacher General Education

Requirements 55–56 hours

Subject Matter/Endorsement Areas

Subject Matter/Endorsement Areas							
	Ma	jors	Area Minors				
	Elementary Education K-8	Secondary and K-12	Elementary Education K-8	Secondary and K-12	Special Education K-I2		
Biology (p. 72)		*			*		
Bilingual Education							
(p. 48)			*	*	*		
Business Education							
(p. 40, 41)		*		*			
Chemistry (p. 93)		*					
Early Childhood							
Education (p. 54)	*						
Elementary Education							
(p. 46)	*						
English (p. 86)		*		*			
English as a Second			*	ste	*		
Language (p. 46)			*	*	*		
Family and Consumer		*	*	*			
Sciences (p. 53, 54)		*	*	*			
Geology (p. 95)		*					
General Science			*				
(p. 73, 93, 95, 97)		*	*	*			
History (p. 80)		*	*	*	*		
Language Arts (p. 47)			Ť		*		
Marketing Education				*			
(p. 40, 41)		*	*		*		
Mathematics (p. 89)							
Modern Languages				*	*		
(p. 87) Music Education							
(p. 63, 64)		*		*	*		
(p. 03, 04) Natural Science							
(p. 72, 93, 95, 97)				*			
Performing Arts							
(p. 64, 66)			*		*		
Physical Education							
(p. 55, 56)		*	*	*	*		
Physics (p. 97)		*					
Reading (p. 47)			*				
Psychology (p. 100)				*			
Social Studies							
(p. 80, 81, 103, 104)		*	*		*		
Spanish (p. 87)				*			
Special Education							
(p. 48)		*					
Theatre Education							
(p. 66)		*		*			
Visual Arts (p. 61)			*				
Vocational							
Agriculture (p. 50, 51)		*		*			

Department of Curriculum and Instruction

Associate Professors:	Jeanne Cobb Jerry Everhart Patricia Whitney
Assistant Professors:	Mary A. Arth Elizabeth Galligan Amy Hazelrigg Romelia Hurtado de Vivas Mary K. Kallus
Instructor:	Geni Flores

Bachelor of Arts in Education Degree: (BAE), or Bachelor of Science in **Education (BSE)** Major: **Elementary Education** Licensure: Elementary (K-8)

Note: All Elementary Education majors are required to complete a minimum of 6 hours of a second language. SPAN 101 and SPAN 102 are recommended.

1. Bachelor's Degree Requirements, see Page 32. Includes: UNIV

101 Freshman Seminar (3)

Note: BAE candidates must satisfy language requirement (6-14 hours).

- 2. Teaching Degree General Education Requirements (55-56 hours), see Page 45.
- 3. Elementary Education Methodology and Professional Education Requirements (36 hours) (Students must complete the following courses in proper sequence as noted in course descriptions and their prerequisites with a "C" or better.)

	.,	
BLED	350	Cultural and Linguistic Pluralism (3)
ELED	380	Assessment, Curriculum and
		Management (3)
RED	350	Emergent Literacy Development (3)
RED	375	Intermediate Literacy Development (3)
ELED	400	Methods for Integrated Curriculum I (6)
ELED	412	Methods for Integrated Curriculum II (6)
ELED	450	Seminar in Student Teaching (2)
ELED	460	Student Teaching: Elementary (10)
Recomm	ended Ele	ectives:
EDF	301	Foundations of Schooling (3)
RED	315	Literacy Through
		Children's Literature (3)
RED	317	Literacy Through Adolescent
		Literature (3)
HPE	433	Methods and Curriculum in
		Physical Education (3)
HPE	473	Health Education Methods/Materials (3)
Prerequis	sites:	

Students must complete EDF 222 as a prerequisite to all Elementary Education Methodology and Professional Education requirements. SPED 305 as a prerequisite to ELED 400 and ELED 412. RED 350 is a prerequisite to RED 375 and ELED 400. It is strongly recommended that RED 350 be taken concurrently with ELED 380.

4. Subject Matter/Endorsement Area/Minor (24 hours) See Page 45, for minors offering course work leading to endorsement with elementary licensure in the State of New Mexico.

Note: GPA of 2.80 is required.

Students may also select a minor in Early Childhood Education (see Page 54). Since this is not an approved New Mexico endorsement area students also must select an endorsement area from the above list. In New Mexico, Early Childhood Education is a separate licensure area and requires a major in Early Childhood Education. Students should consult an advisor in that area.

Subject Matter/Endorsement

Area/Minor: **Bilingual Education** Licensure: Elementary

Literacy in Spanish language skills as determined by a passing score on the Prueba.

Note: At least 12 hours of course work must be taken in classes taught in Spanish. Native speakers are encouraged to take SPAN 105 and 205. Non-native speakers may take SPAN 201 and 202. Course Requirements (24 hours)

Course	Course Requirements (24 nours)		
BLED	201	Introduction to Bilingual Education (3)	
BLED	334	Methods and Materials for	
		Bilingual Education (3)	
BLED	405	Reading and the Bilingual Child (3) OR	
BLED	425	Parents' Role in the Bilingual	
		Classroom (3)	
BLED	438	Language Arts and ESL(3)	
SPAN	325	Peninsular Culture and Civilization (3),	
		OR	
SPAN	326	Latin American Culture and	
		Civilization (3)	
HIST	203	New Mexico (3)	
Channel of an annual all stimes too alt in Canadiah			

6 hours of approved electives taught in Spanish. Note: Elective hours taken under a SPAN prefix must be in the areas of culture, civilization, and/or literature.

Subject Matter Endorsement Area/Minor:

English as a Second Language **Elementary and Early Childhood** Licensure:

Note: Students will be required to demonstrate intermediate proficiency in a language other than English. **Course Requirements (18 hours)** Introduction to Bilingual Education (3) BLED 201BLED 380 ESL Methods and Materials (3) 438 BLED Language Arts and ESL(3)BLED 490 ESL in Content Areas (3) ENG 376 Chicano Literature (3) OR Literature of the Southwest (3) ENG 413 Early Childhood/Elementary Education Requirements (6 hours) BLED 473 Early Childhood Bilingualism (3) 350 Emergent Literacy Development (3) RED Secondary Education Requirements (3 hours) BLED 490 ESL in Content Areas (3) **Special Education Requirements (6 hours)** To be selected from: BLED 473 Early Childhood Bilingualism (3) BLED 490 ESL in Content Areas (3)

RED Emergent Literacy Development (3) 350

Alan W. Garrett

Subject Matter/Endorsement Area/Minor: Language Arts

Licensure: Elementary Education

RED 320, 350, 375 and either RED 315 or 317 are required courses for this licensure. Only 6 hours of general education coursework will count for the subject matter/endorsement area minor. These general education hours must be selected from courses listed immediately below:

3 hours from communication or theatre:		
COMM	101	Interpersonal Communication (3)
COMM	102	Public Speaking (3)
COMM	331	Intercultural Communication (3)
COMM	380	Nonverbal Communication (3)
THTR	121	Beginning Acting (3)
3 hours of	f writing	courses from the following:
COMM	203	News Writing (3)
COMM	335	Script Writing for Electronic Media (3)
ENG	235	Advanced Composition (3)
ENG/		
THTR	324	Workshop in Playwriting (3)
ENG	325	Professional and Technical Writing (3)
ENG	335	Creative Writing (3)
ENG	415	Expository Writing (3)
ENG	416	Report Writing (3)
6 hours fr	om litera	ature:
ENG	201	Types of Literature (3)
ENG	211	Introduction to Literature (3)
ENG	221	British Literature Survey I (3)
ENG	222	British Literature Survey II (3)
ENG	251	American Literature Survey I (3)
ENG	252	U.S. Literature Survey II (3)
ENG	376	Chicano Literature (3)
ENG	378	World Literatures (3)
ENG	413	Literature of the Southwest (3)
ENG	426	American Authors/Genres/Themes (3)
ENG	430	British Authors/Genres/Themes (3)
ENG	439	World Authors/Genres/Themes (3)
ENG	447	Literary and Cultural Studies (3)

Subject Matter/Endorsement

Area/Minor: Reading

Licensure: Elementary Education

RED 350 and RED 375 are required for this licensure. To qualify for a New Mexico endorsement in reading, 24 credit hours are required with the RED prefix.

RED	311	Language Arts (3)
RED	315	Literacy Through Children's
		Literature (3)
RED	317	Literacy Through Adolescent
		Literature (3)
RED	320	Writing Centered Classroom (3)
SPED	411	Literacy Methods and Materials (3)
RED/		
BLED	438	Language Arts and ESL (3)
RED	495	Secondary Content Area Literacy (3)
RED	496	Elementary Content Area Literacy (3)
RED	471	Constructive Evaluation of Literacy (3)

Department of Educational Studies

Professors:

	Kathleen Peca
	Michael F. Shaughnessy
Associate Professors:	Mark Isham
	Cheri Quinn
Assistant Professors:	Kathie Good
	Charles Waggoner
	Robin Wells
Instructor:	Bill Gaedke

Licensure: Secondary and K-12

Students desiring to teach at the secondary level (grades 7–12) pursue degrees in a major field. The Teacher Education Program **does not** grant secondary education degrees. The Teacher Education Program **does** provide students with the necessary professional education requirements for licensure at the secondary level in New Mexico. Licensure requirements for Secondary Education are as follows:

- 1. Bachelor's Degree Requirements, see Page 32 Includes:
 - UNIV 101 Freshman Seminar (3)
- 2. Teaching Degree General Education Requirements (55–56 hours), see Page 45
- 3. Teaching Field Options (Major/Endorsement/Minor) (54–60 hours)

Note: GPA of 2.80 is required in the major.

A. One 54-hour teaching composite (major) **OR**

B. One teaching major.

See Page 45, for majors offering course work leading to secondary licensure.

4. Professional Education Requirements/Secondary Education Minor (30 hours)

(Students must complete the following courses in numbered sequence with a "C" or better.)

222	Structured Observations of
	Teaching (3)
350	Cultural and Linguistic Pluralism (3)
301	Foundations of Schooling (3)
495	Content Area Literacy (3)
380*	Secondary School Teaching/Learning (3)
	Content Methods (3)
410*	Issues in Secondary Teaching (3)
450	Seminar in Student Teaching (2)
460	Secondary Student Teaching (10)
Students se	eeking K-12 licensure may choose ELED
	350 301 495 380* 410* 450 460

***Note:** Students seeking K-12 licensure may choose ELED 380 or SED 380, according to preference of level. K-12 majors are not required to take SED 410. Instead they may earn 3 additional methods credits in their content disciplines. SPED 305 is a prerequisite to student teaching; it may be completed any time prior to student teaching.

5. Optional Subject Matter/Endorsement Area/Minor (24 hours)

See Page 45, for minors offering course work leading to endorsement with secondary licensure in New Mexico. A second minor in an endorsement area is not required, but the faculty strongly recommends that students select a second minor from these options.

Note: GPA of 2.80 is required in the minor.

48 Eastern New Mexico University

Note: The Public Education Department requires that students who seek secondary or K–12 licensure complete a minimum of 12 hours (300–400) of upper-division course work in each area of endorsement.

Degree:	(B/	chelor of Arts in Education AE), or Bachelor of Science in ucation (BSE)
Major:	Sp	ecial Education
Licensure	: Spe	ecial Education K-12
1. Bachel	or's Degre	e Requirements, see Page 32
Include	es:	
UNIV	101	Freshman Seminar (3)
Note: 1 14 hou		ates must satisfy language requirement (6-
2. Teachi	ng Degree	General Education Requirements (55-
	rs), see Pa	_
		Professional Education Requirements
(30 ho		-
(Studer	nts must cor	nplete the following with a "C" or better.)
SPED	300	Introduction to Special Education (3)
		(grade of "B" is required)
SPED	330	Assessment in Special Education (3)
SPED	338	Behavior Management:
		Exceptional Individuals (3)
SPED	411	Literacy Methods and Materials (3)
SPED	412	Content Methods and Materials (3)
SPED	413	Practicum: Special Education
		Methods (3)
SPED	445	Student Teaching: Special Education (10)
SPED	447	Seminar in Special Education (2)
NT 4	a	. C 11 ODED 200 1

Note: Course sequence is as follows: SPED 300 is to be completed the first semester. Students who are admitted to the teacher education program then take SPED 330 and 338 the second semester. Students must complete EDF 222 Structured Observations of Teaching as a prerequisite to SPED 330 and 338. SPED 411, 412, 413 are to be taken concurrently the third semester. SPED 445 and SPED 447 are taken concurrently the fourth semester of the sequence.

4. Subject Matter/Endorsement Area/Minor (24 hours) See Page 45, for minors offering course work for endorsement with special education licensure in the State of New Mexico. Note: GPA of 2.80 is required in the minor.

Students may also select a minor in Early Childhood Education (see Page 54). Since this is not an approved New Mexico endorsement area, students also must select an endorsement area from the above list. In New Mexico, Early Childhood Education is a separate licensure area and requires a major in Early Childhood Education. Students should consult an advisor in that area. Recommended Elective (3 hours)

SPED majors and licensure students are encouraged to take one course from a program designed to prepare general classroom teachers. EDF 301 Foundations of Schooling (3) is recommended to strengthen students' knowledge of general education curriculum and classroom practices. This course introduces students to the foundations of education. This information will expand students' education and understanding of concepts not included in the special education program competencies. Students interested in earning special education and secondary education licenses concurrently should contact a special education advisor.

Subject Matter/Endorsement

Area/Minor: Bilingual Education

Licensure: Secondary or Special Education See Page 46, Subject /Matter Endorsement, Area/Minor – Bilingual Education, Licensure – Elementary.

Subject Matter Endorsement

Area/Minor: English as a Second Language

Licensure: Secondary and Special Education

See Page 46, Subject /Matter Endorsement, Area/Minor – English as a Second Language, Licensure – Elementary and Early Childhood..

Subject Matter Endorsement

Area/Minor: Language Arts

Licensure: Special Education Only

Required courses selected from the following (12 hours) 3 hours from: COMM 101 Interpersonal Communication (3) COMM 102 Public Speaking (3) Dynamics of Group Behavior (3) COMM 202 **3 hours from:** ENG 104 English Composition and Research (3) ENG 109 Composition and Research (Honors) (3) 6 hours from: Types of Literature (Short Story) (3) ENG 201A ENG 211 Introduction to Literature (3) ENG 221 British Literature Survey I (3) 222 British Literature Survey II (3) ENG 251 American Literature Survey I (3) ENG 252 U.S. Literature Survey II (3) ENG Additional courses selected from the following (12 hours): ELED/ RED 311 Language Arts (3) RED 315 Literacy Through Children's Literature (3) RED 317 Literacy Through Adolescent Literature (3) RED 350 Emergent Literacy Development (3) 375 Intermediate Literacy Development (3) RED RED 495 Content Area Literacy (3)

Department of Family and Consumer Sciences and Agriculture

The shared Agriculture and Family and Consumer Sciences department mission is to holistically assist the development of an optimal quality of life through a focus on individuals and families, the environment, our natural and human resource base and development of local communities. We accomplish this mission by development, integration, dissemination and application of knowledge through a preventive approach. The department values scholarship, creativity, integrity, cooperation, diversity, mutual respect and service.

Core Ideology: The Department of Family and Consumer Sciences and Agriculture will utilize all fiscal, human and material resources to focus directly on the improvement of educational design and delivery systems for the primary purpose of improving student learning and achievement. Theory and research for effective classrooms is the conceptual framework that guides the department in its service to students and other customers. The department faculty believes that teachers and students should be a "community of learners" where members continually receive new data and information, reflect on it, reconstruct it and utilize it to make decisions.

Faculty in the department is committed to being lifelong learners continuously involved in professional growth, development and learning. The department also believes in combined theory and research: theory as a set of coherent bodies of laws and principles that guide and give meaning to practice and research as a systematic and organized means of constructing knowledge about effective practices.

Distinctive features of the department include: small classes, extensive interactions between teachers and students; course theory combined with practical application; students working closely with one another in producing group projects; frequent opportunities for presentation in front of groups; strong camaraderie among department students and faculty; close involvement with area high schools' Agriculture and FCS programs; FFA judging contests; and training and technical assistance to child care programs in area counties.

Agriculture	
Associate Professors:	Dann Brown R. Terry Ervin
Instructors:	David Browder Mike O'Connor

The Agriculture program prepares students in the basic agricultural and foundation sciences, that include agricultural business and economics, agricultural education, agricultural communication, technical agriculture, agronomy, animal science, agricultural mechanics and horticulture. Laboratories provide experience in social science, plant classification, plant physiology, plant pathology, soil science, weed science, entomology, metalwork, agricultural buildings, agricultural power and machinery. ENMU Agriculture places an emphasis on service to agricultural associations at the local, state and national levels. Students are encouraged to participate in Collegiate FFA activities. The Agriculture program also offers the opportunity for students to be involved in college rodeo. The Agriculture program offers interested students several options: (a) a BBA with a major in Agricultural Business within the College of Business; (b) majors in Agriculture with emphasis areas in General Agriculture, Agricultural Communication, Agricultural Economics and Agricultural Education; (c) an Associate of Arts with a major in Agriculture and (d) minors in Agriculture for students pursuing both teaching and non-teaching degrees. The Agriculture program accepts only grades of "C" or higher in courses required for the major, the AA in Agriculture, the minor and emphasis areas.

Descriptions of AG courses begin on Page 105.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Agriculture Core Curriculum (23 hours)

AG	101	Animal Science (3)
AG	103	Orientation and Careers (1)
AG	203/L	Crop Science (3)
AG	204/L	Soil Science (3)
AG	254	IT in Applied Science (3)
AG	304	Pest Management (3)
AG	352	Agricultural Economics(3)
AG	394	Professional Leadership Development (3)
AG	494	Senior Seminar (1)

It is suggested that students complete the Agriculture Core Curriculum according to the following plan:

The following emphasis areas apply to the Agriculture Composite major in the Bachelor of Science degree. All emphasis areas require the agriculture core curriculum. No minor is required.

Fresł	ıman Y	ear	Fall	Spring
AG	101	Animal Science	3	
AG	103	Orientation and Careers	1	
AG	203/L	Crop Science	3	
Soph	omore	Year	Fall	Spring
AG	204/L	Soil Science	3	
AG	254	IT in Applied Science		3
Junio	r Year		Fall	Spring
AG	352	Agricultural Economics	3	
AG	394	Professional Leadership Dev		3
Senio	or Year		Fall	Spring
AG	304	Pest Management	3	
AG	494	Senior Seminar		1

Major:	Agr	riculture Composite	
, Emphasis:			
	Courses that must be chosen within the General Education		
Requiren		be chosen within the General Education	
COMM	101/L	Interpersonal Communications (3)	
		irements (57 hours)	
		Agriculture (23 hours), plus:	
AG	489	Internship (3)	
Any two f		Interneting (c)	
AG	102	Dairy Science (3)	
AG	121	Horse Production and Management (3)	
AG	321	Feeding and Nutrition (3)	
AG	351	Beef Production (3)	
AG	432	Animal Health (3)	
Any anim	al science	e topics courses	
Any two f		•	
AG	221	Principles of Horticulture (3)	
AG	331	Forage Crops and Pastures (3)	
Any plant	science t	topics courses	
Any two f	rom:		
AG	311	Farm Management and Records (3)	
AG	340	Marketing Agricultural Products (3)	
AG	402	Agricultural Policy (3)	
Any Ag E	conomics	s/Business Topics Courses	
		B electives (13 hours)	
Commun	ication F	Requirements (24 hours)	
COMM	102	Public Speaking (3)	
COMM	103	Introduction to Mass Communication (3)	
COMM	110/L	Beginning Television Production (3)	
COMM	203/L	News Writing (3)	
		Electives (12 hours)	
12 hours f		0	
COMM	202	Dynamics of Group Behavior (3)	
COMM	220/L	Intermediate Television Production (3)	
COMM	223	Voice and Performance (3)	
COMM	300	Intro to Communication Theory (3)	
COMM	304	Reporting (3)	
COMM	402	Magazine Writing (3)	
COMM	415	Ethics of Public Communication (3)	
Electives	selected v	vith approval of academic advisor.	
	_		

Major: **Agriculture Composite**

Emphasis: Agricultural Economics

Courses that must be chosen within the General Education				
Require	ments:			
Mathema	atics (7 h	ours)		
Math	119	College Algebra (3)		
STAT	213	Statistical Methods I (4)		
Social Sciences (6 hours)				
BUS	151	Introduction to Business (3)		
Agricultural Requirements				
Core Curriculum in Agriculture (23 hours), see above,				
plus:				
AG	311	Farm Management (3)		
AG	340	Marketing Agricultural Products (3)		
AG	402	Agricultural Policy (3)		
AG	489	Internship (3)		
Any two from:				
AG	102	Dairy Science (3)		
AG	121	Horse Production and Management (3)		
AG	321	Feeding and Nutrition (3)		
AG	351	Beef Production (3)		
Any anin	nal scienc	ce topics courses		

Any two from:

AG	221	Principles of Horticulture (3)	
AG	331	Forage Crops and Pastures (3)	
Any plan	t science	e topics course	
Electives, must be upper-division (4 hours)			
Business/Economics Requirements (24 hours)			
ACCT	211	Introduction to Managerial Accounting (3)	
ACCT	212	Introduction to Financial Accounting (3)	
ECON	221	Principles of Macro Economics (3)	
ECON	222	Principles of Microeconomic Theory (3)	

- ECON 321 Macroeconomics (3)
- ECON 322 Managerial Economics (3)
- ENG 325 Professional and Technical Writing (3)
- **Business/Economics Electives (6 hours)**
- Any two from: BUS, ECON, MKT or MGMT

Major:	Agı	riculture Composite	
Emphasis:	Ge	neral Agriculture	
Agricult	ural Requ	uirements (54 hours)	
Core Cur	riculum ir	Agriculture (23 hours), plus:	
Any two	from:		
AG	102	Dairy Science (3)	
AG	121	Horse Production and Management (3)	
AG	321	Feeding and Nutrition (3)	
AG	351	Beef Production (3)	
AG	432	Animal Health (3)	
Any anim	nal science	e topics courses	
Any two	from:		
AG	221	Principles of Horticulture (3)	
AG	331	Forage Crops and Pastures (3)	
Any plan	t science	topics courses	
Any two	from:		
AG	311	Farm Management and Records (3)	
AG	340	Marketing Agricultural Products (3)	
AG	402	Agricultural Policy (3)	
Any Ag I	Any Ag Economics/Business topics courses		
Any one	from:		
AG	231/L	Agriculture Mechanics (3)	
AG	301	Rural Building and Materials (3)	
AG	303	Agricultural Power and Machinery (3)	
Upper-div	Upper-division AG electives (7 hours) selected with approval		
of adviso	r		
Any two	approved	Agricultural courses	
AG	489	Agricultural Internship (3)	
Electives	selected v	with approval of Academic Advisor	

Major: **Agriculture Composite**

Endorsement: Vocational Agriculture

Secondary Licensure: Courses that must be chosen within the Teaching Degree **General Education Requirements:** BIOL 151/L General Biology I (4) PSY 202 Adolescent Psychology (3) **Vocational Agricultural Course Requirements (54 hours)** Core curriculum in Agriculture (23 hours), plus: 202 Intro to Agricultural Education (1) AG 231/L Agricultural Mechanics (3) AG 301 Rural Buildings and Materials (3) AG 303 Agricultural Power and Machinery (3) AG 479 Teaching Vocational Disciplines (2) AG AG 480 Methods of Teaching Agriculture (1)

Any two from:

11119 01101			
AG	102	Dairy Science (3)	
AG	121	Horse Production and Management (3)	
AG	321	Feeding and Nutrition (3)	
AG	351	Beef Production (3)	
AG	432	Animal Health (3)	
Any anima	al science	topics courses	
Any two f	rom:		
AG	221	Principles of Horticulture (3)	
AG	331	Forage Crops and Pastures (3)	
Any plant science topics courses			
Any two from:			
AG	311	Farm Management and Records (3)	
AG	340	Marketing Agricultural Products (3)	
AG	402	Agricultural Policy (3)	
Any Agricultural Business topics courses			
One course (4 hours) from:			
BIOL	301/L	General Entomology (4)	
BIOL	341/L	Parasitology (4)	

Degree:Associate of Arts (AA)Major:Agriculture

This curriculum is designed to prepare students in the basic agricultural and foundation sciences for entry-level positions in agriculture or for transfer to a four-year program.

Courses that must be chosen within the General Education			
Requir	ements:		
CHEM		(4)	
Agriculture Course Requirements (24 hours)			
AG	101	Animal Science (3)	
10	100	\mathbf{D} · \mathbf{G} · (2)	

AG	102	Dairy Science (3)
AG	121	Horse Production and Management (3)
AG	203/L	Crop Science (3)
AG	204/L	Soil Science (3)
AG	221	Principles of Horticulture (3)
AG	231	Agriculture Mechanics (3)
AG	254	IT in Applied Science (3)

Electives to be selected with approval of Agriculture advisor

Minor: Agriculture

Agriculture Course Requirements (23 hours)

Agricui	uit cours	se Requirements (25 h
AG	101	Animal Science (3)
AG	203/L	Crop Science (3)
AG	204/L	Soil Science (3)
AG	304	Pest Management (3)
AG	331	Forage Crops and Pas

AG331Forage Crops and Pastures (3)8 hours of courses in agriculture are to be selected in consultationwith the Agriculture faculty; 3 hours must be upper-division.It is possible that 3 hours upper-division credit could be takenin Biology related to plant or animal sciences.

Subject Matter Endorsement

Minor:	Agriculture	
Licensure:	Secondary	
Agriculture Course Requirements (25 hours)		
AG	101	Animal Science (3)
AG	202	Introduction to Agricultural Education (1)
AG	203/L	Crop Science (3)
AG	204/L	Soil Science (3)
AG	352	Agricultural Economics (3)
AG	394	Professional Leadership Development (3)
AG	479	Teaching Vocational Disciplines (2)
AG	480	Methods of Teaching Agriculture (1)
6 hours el upper-div		th approval of AG faculty; 3 hours must be

Two-Year Program in Pre-Forestry

Courses which are required by most forestry schools and may be taken at ENMU:

Animal Science (3)		
8 hours BIOL excluding BIOL 113		
General Chemistry I (4)		
General Chemistry II (4)		
English Composition (3)		
English Composition and Research (3)		
College Algebra (3)		
Plane Trigonometry (3)		
Additional courses recommended for pre-forestry students:		
Soil Science (3)		
Marketing Agricultural Products (3)		
Agricultural Economics (3)		
Genetics (3)		
Principles of Macro Economics (3)		
Physical Geology (4)		
General Physics (4)		
General Physics (4)		

Family and Consumer Sciences

Professors:	Merlene Olmsted
	Francine Stuckey
Assistant Professor:	Caryl Johnson

The mission of Family and Consumer Sciences is to holistically assist families and individuals in achieving the optimal quality of life. The department takes pride in its leadership as being a dynamic source and voice for families in the state of New Mexico. The discipline is preventive in approach. The curriculum is applicable to both men and women. Its purpose is three-fold: (1) to provide professional education in family and consumer sciences for teaching, extension, business, public communication and human service; (2) to provide basic education for homemakers and parents, for work with children in a variety of settings, for research and (3) to provide cultural development.

The curriculum includes studies related to improving individual, family and community well-being; impacting the development, delivery and evaluation of consumer goods and services; influencing the creation of policy; shaping societal change, foods and nutritional needs, clothing issues and the welfare of children. Each aspect of the discipline is a critical component in assisting individuals and families to reach their potential. The Department of Family and Consumer Sciences accepts only grades of "C" or higher in courses required for the major and emphasis areas. Descriptions of FCS courses begin on Page 126.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Family and Consumer Sciences Core Curriculum (30 hours)

FCS	101	Orientation and Careers (1)
FCS	131	Consumer Education (3)
FCS	213/L	Food Science (3)
FCS	221	Child Growth Development and
		Learning (3)
FCS	253/L	Housing (3)
FCS	323	Techniques for Effective Parenting (3)
FCS	331	Human Nutrition (3)
FCS	333	Family Relationships (3)
FCS	401	Family and Consumer Sciences
		Seminar (1)
FCS	403	Sociological and Psychological Aspects
		of Dress (3)
FCS	411	Demonstration Techniques
		Laboratory (1)
FCS	461	Family Resource Management (3)

The following emphasis areas apply to the Family and Consumer Sciences Composite major in the Bachelor of Science degree. All emphasis areas require the Family and Consumer Sciences core curriculum. No minor is required.

Family and Consumer Sciences Major: **Composite Emphasis: General Family and Consumer Sciences**

Family and Consumer Sciences Course Requirements

a. Core curriculum in Family and Consumer Sciences (30 hours). b. Electives in Family and Consumer Sciences (15 hours).

b. Electives in raining and consumer sciences (15 nours).			
Major:	Fam	ily and Consumer Sciences	
	Con	nposite	
Emphasis:	Busi	iness	
Family a	nd Consu	mer Sciences Course Requirements	
		n Family and Consumer Sciences (30	
hours), p	lus:		
FCS	103/L	Clothing Selection and	
		Construction (3) OR	
FCS	303	Household Equipment (3) OR	
FCS	347	Fashion Merchandising (3) OR	
FCS	435	Home-Based Entrepreneurship (3)	
FCS	301/L	Textiles (3)	
FCS	353/L	Interior Design (3)	
Electives	in Family	and Consumer Sciences (9 hours)	
Business	Course R	Requirements (24 hours)	
9 hours fr	om the foll	lowing:	
ACCT	211	Introduction to Managerial Accounting (3)	
ACCT	212	Introduction to Financial Accounting (3)	
ECON	221	Principles of Macro Economics (3)	
ECON	222	Principles of Micro Economics (3)	
15 hours f	rom the fo	llowing:	
BUS	151	Introduction to Business (3)	
BUS	315	Business Law I (3)	
CIS	151	Basic Computer Skills (3) OR	
CIS	185	Introduction to Computer Information	
		Systems (3)	
CIS	330	Business Web Site Design (3)	
CIS	351	Microcomputing for Business (3)	
MGT	313	Management and Organizational	
		Behavior (3)	
MGT	314	Human Resource Management (3)	
MKT	301	Principles of Marketing (3)	
MKT	322	Retailing and E-Commerce (3)	

Sales Management (3)

International Marketing (3)

362

430

MKT MKT

Major: Family and Consumer Sciences Composite

Composite					
Emphasis: Public Communication					
	Family and Consumer Sciences Course Requirements				
Core cur	riculum i	in Family and Consumer Sciences (30			
hours), p	lus:				
FCS	301/L	Textiles (3)			
FCS	303	Household Equipment (3)			
FCS	353/L	Interior Design (3)			
Electives	in FCS (18	8 hours)			
Commun	ication C	ourse Requirements (21–24 hours)			
COMM	102	Public Speaking (3)			
COMM	103	Introduction to Mass Communication (3)			
COMM	110/L	Beginning Television Production (3)			
COMM	203/L	News Writing (3)			
9 hours se	lected from	m the following:			
COMM	202	Dynamics of Group Behavior (3)			
COMM	220/L	Intermediate Television Production (3)			
COMM	223	Voice and Performance (3)			
COMM	300	Introduction to Communication			
		Theory (3)			
COMM	304	Reporting (3)			
COMM	402	Magazine Writing (3)			
COMM	415	Ethics of Public Communication (3)			
COMM	477	Family Communication (3)			
Course Requirements in Related Areas (3-6 hours)					
ART	210	Photography I (3)			
CIS	185	Introduction to Computer Information			
Systems (3)					
CIS	330	Business Web Site Design (3)			
ECON	221	Principles of Macro Economics (3)			
ECON	222	Principles of Micro Economics (3)			
MKT	301	Principles of Marketing (3)			

Major: Family and Consumer Sciences Composite

Emphasis: Human Services

Family and Consumer Sciences Course Requirements (54 hours)

Core Curriculum in Family and Consumer Sciences (30 hours, see above) plus:

- FCS 112 Introduction to Nutrition (3)
- FCS 332/L Meal Management (3)
- FCS 433 Family Finance (3)
- FCS 489 Field Placement (3, 6)

28 hours in Human Services: 12–15 hours of sociology courses and 12–15 hours of psychology courses to be selected in consultation and with the approval of the Family and Consumer Sciences faculty advisor.

Major:		nily and Consumer Sciences
Emphasis:	Voc	actional Family and Consumer
Licensure:	Seco	ondary
Courses t		t be chosen within the Teaching Degree
		n Requirements:
PSY	202	Adolescent Psychology (3)
Professio	onal Edu	cation Requirements (33 hours), see
Page 47		
Must incl	ude:	
FCS	479	Teaching Vocational Disciplines (2)
FCS	480	Methods of Teaching FCS (1)
Family a	nd Consu	umer Sciences Course Requirements
Core cur	riculum	in Family and Consumer Sciences for
Vocation	al Family	y and Consumer Sciences (30 hours),
plus:		
FCS	103/L	Clothing Selection and Construction (3)
FCS	239/L	Curriculum Development and
		Implementation I (5) OR
FCS	265	Guiding Young Children (3)
FCS	301/L	
FCS	353/L	Interior Design (3)
Electives	in Family	and Consumer Sciences (18 hours)

Minor: Family and Consumer Sciences

Family and Consumer Sciences Course Requirements (24 hours)

FCS 101 Orientation and Careers (1) The remaining 23 hours of courses in Family and Consumer Sciences are to be selected in consultation with Family and Consumer Sciences faculty; 9 hours must be upper-division.

Minor: **Fashion Merchandising** (21–24 hours) Clothing Selection and Construction (3) FCS 103/L FCS 301/L Textiles (3) 345/L Pattern Design (3) FCS FCS 347 Fashion Merchandising (3) FCS 489 Field Placement (3–6) FCS 403 Sociological and Psychological Aspects of Dress (3) OR THTR 340 Design Seminar (6)

Degree: Major: Licensure:	Ear Earl	helor of Science (BS) ly Childhood Education y Childhood Education ation in Early Childhood Education (42	
hours)	nai Luuc	ation in Early Childhood Education (42	
BLED	350	Cultural and Linquistic Diuncliam (2)	
		Cultural and Linguistic Pluralism (3)	
BLED/FC			
ELED	473	Early Childhood Bilingualism (3)	
ELED	400	Methods for Integrated Curriculum I (6)	
ELED	450	Seminar in Student Teaching (2)	
FCS/ELE	D221	Child Growth, Development and	
		Learning (3)	
FCS/ELE	D239/L	Curriculum Development and	
1 00, 222	<u> </u>	Implementation I (3)	
FCS/ELE	D265	Guiding Young Children (3)	
FCS/ELE		Family and Community	
1 00, 222	200	Collaboration (3)	
FCS/ELE	D340/L	Curriculum Development with	
1 CD/ LLL	DUTOE	Implementation II (3)	
FCS/ELE	D482	Methods of Early Childhood	
I CO/LLL	0402	Education (4)	
RED	350	Emergent Literacy Development (3)	
RED	471	Constructive Evaluation of	
KED	4/1	Literacy (3)	
SPED	305	Students with Disabilities in the	
SILD	505	Regular Classroom (3)	
Proctiour	n and Su		
Practicum and Supervised Field Experiences (23 hours) Experiences must include two of the following age ranges: Birth–			
3, 3–5, 5–		clude two of the following age failges. Bitul-	
5, 5–5, 5– EDF	222/L	Structured Observations of Teaching (3)	
ELED	460	Student Teaching: Elementary (10)	
FCS	400 239/L	Curriculum Development and	
103	239/L	Implementation I Lab (2)	
FCS	340/L	Curriculum Development and	
rcs	340/L		
ECC	101	Implementation II Lab (2)	
FCS	484	Practicum in Early Childhood	
		Education (6)	
C 1.1	-		
•		ndorsement	
Area/Minor:	· · · · · · · · · · · · · · · · · · ·		
		omposite	
Licensure:	Elen	nentary (K–8) or Secondary	

Licensure:	Eler	nentary (K–8) or Secondary	
Family a	nd Consu	umer Sciences Course Requirements (24	
hours)			
(Twelve o	f the 24 l	hours must be upper-division)	
One FCS	One FCS course in Clothing/Textiles (3)		
One FCS	One FCS course in Consumerism (3)		
One FCS	One FCS course in Foods/Nutrition (3)		
Two FCS	Two FCS courses in Child/Family (6)		
One FCS	One FCS course in Housing/Interiors (3)		
FCS	480	Methods of Teaching FCS (1)	
6 hours F	6 hours FCS electives with approval of the FCS faculty		

Minor: Early Childhood Education

Early Childhood Course Requirements (24 hours) FCS/ELED221 Child Growth, Development and Learning (3) FCS/ELED239/L Curriculum Development and Implementation I (5) FCS/ELED265 Guiding Young Children (3) FCS/ELED482 Methods of Early Childhood Education (4) FCS/ELED484 Practicum in Early Childhood Education (6) 3 hours of early childhood education electives approved by

Degree: Associate of Arts (AA) Major: Early Care and Education

advisor.

The curriculum is designed to prepare individuals to work with children in a variety of settings, especially in day care.

Courses that must be chosen within the General Education **Requirements:** COMM Interpersonal Communication (3) OR 101/L COMM Public Speaking (3) 102 ENG 102 English Composition (3) ENG 104 English Composition and Research (3) 8 hours natural science courses with labs 3 hours of Math from the following: MATH 107, 113, 119, 261 201 Child Psychology (3) PSY 3 hours of Social Science from the following: ANTH 123, 233, 243; ECON 221; GEOG 233; PSCI 101, 102; SOC 101, 212, 215 3 hours of History from the following: ART 101, 106, 165, 166; DNC 101; HUM 221, 222; MUS 101, 113, 151, 163; THTR 111, 121 Family and Consumer Sciences and Related Course **Requirements (29 hours)** FCS 107 Health, Safety and Nutrition (2) FCS 220 Professionalism in Early Childhood (2) FCS 221 Child Growth, Development and Learning (3) FCS 223 Assessment of Children and Evaluation of Programs (3) FCS 239/L Curriculum Development and Implementation I (5) FCS 240/L Curriculum Development and Implementation II (5) FCS 265 Guiding Young Children (3) FCS 280 Family and Community Collaboration (3) RED 350 Emergent Literacy Development (3)

Department of Health and Physical Education

Associate Professor: Assistant Professors:

Instructors:

Christine Blaeser Eric Boll Dan Buzard Phil Clabaugh Carlos Elizondo Michael Howard Ed Kabrick Dustin Klafka Cheryl Higdon Holloway Dan Pilon Mike Maguire Travis McCorkle Mark Murdock Armando Quiroz

Mary E. Drabbs

Megan Chilson

Mark Ribaudo

Shawn Scanlan

Todd Wallis

Mike Walton

Programs in the Department of Health and Physical Education are designed primarily to prepare students as educators in health and physical education within public schools and the private sector. The following areas in professional preparation are offered:

Majors:

- 1. Physical Education: Licensure K-12
- 2. Physical Education: Physical Education Composite

Emphases:

- 1. Community Physical Education emphasis
- 2. Sport and Recreation Management Emphasis

Endorsement Area/Minor for Licensure

- 1. Health Endorsement Area/Minor: Secondary licensure
- 2. Physical Education Area/Minor: Elementary or Secondary licensure

Minors:

- 1. Athletic Training
- 2. Coaching

Descriptions of HPE courses begin on Page 131.

Students in an emphasis with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

A Master of Science degree in Physical Education is also offered. For additional information regarding the Master of Science degree in Physical Education, refer to the ENMU "Graduate Catalog."

Degree: Bachelor of Science (BS)

Courses that must be chosen within the General Education Requirements:

a 4-credit human anatomy and physiology course with lab (prerequisite for HPE 312, 313, 411). Please consult with an advisor before enrolling in the course.

Courses recommended within the General Education or Teacher General Education Requirements: Chemistry, Physics, Statistics

HPE Core Curriculum (23 credits)

HPE	145	Concepts in Physical Education (3)
HPE	312/L	Biomechanics (4)
HPE	313/L	Physiology of Exercise (4)
HPE	345	Legal Aspects: Physical Education (3)
HPE	411/L	Motor Learning (4)
HPE	433	Methods/Curriculum in PE (2)
HPE	490	Professional Review (3)

In Addition: Students must present proof of current Red Cross First Aid and CPR certification to advisor at the time of application for graduation.

Major:	Ph	ysical Education
Licensure:	K –	12
Physical	Education	on Course Requirements (38 hours)
Core Cu	rriculum i	n HPE (23 hours) plus
HPE	121	Concepts of Health/Wellness (3)
FCS	112	Introduction to Nutrition (3)
HPE	483	Field Experiences: Topics (2)
HPE	473	Health Education Methods/Materials (3)
Strategy	courses (4	4 hours)

Major:Physical Education CompositeEmphasis:Community Physical Education

Community Physical Education Requirements:

		1	
Core Curriculum in HPE (23 hours) plus:			
FCS	112	Introduction to Nutrition (3)	
HPE	121	Concepts of Health/Wellness (3)	
HPE	220	First Aid (2)	
TIDE	100		

- HPE 483 Field Experiences: Topics (1)
- HPE 489 Internship (3)

15 credits from the following: HPE 209, 240, 245, 310, 321, 330, 335, 340, 381, 473, 480; other electives as approved by advisor. Strategy courses (4 hours) (recommended Health Fitness Instructor, Low Organized Games, Aquatics, Lifeguard Training, Water Safety Instruction, or sports skills likely to instruct/ coach in community setting).

Major:Physical Education CompositeEmphasis:Sports and RecreationManagement

The purpose of this emphasis is to provide students with the technical, and conceptual skills to be productive in a variety of sport, athletic, and recreation management organizational environments.

Sport and Recreation Management Requirements (54 hours)

General Education Requirements must include

BUS	151	Introduction to Business (3)
CS	114	Computers and Society (3)
COMM	101	Interpersonal Communication (3)
ENG	104	English Composition and Research (3)
MATH	107	Intermediate Algebra (3)

Core Curriculum in HPE (23 hours) plus

COMM	260	Public Relations (3)
ECON	200	Survey of Economics (3), OR
ECON	222	Principles of Micro Economics (3)
ENG	325	Professional and Technical Writing (3)
HPE	245	Theory of Coaching (3)
HPE	310	Facilities Management (3)
HPE	335	Measurement/Evaluation of
		Human Movement (3)
HPE	340	Recreation and Intramural Programming (3)
HPE	480	Administration in PE and Athletics (3)
HPE	483	Field Experiences: Topics (1)
HPE	489	Internship (3)
MKT	301	Principles of Marketing (3)

Area/Minor: Health Education

Licensure: Secondary Education

Courses recommended within the General Education Requirements: Chemistry, Physics, Statistics.

Health	Education	Course Requirements (24 nours)
FCS	112	Introduction to Nutrition (3)
HPE	121	Concepts in Health/Wellness (3)
HPE	211	Foundations/Theories of Health (3)
HPE	302	Curriculum/Program Planning in Health (3)
HPE	321	Wellness: Individual and Global (3)
HPE	330	Human Sexuality (3)
HPE	421	Advocating for Healthy Lifestyles (3)
HPE	473	Health Education Methods/Materials (3)
In addit	ion Studen	t must present proof of current Pad Cross

In addition: Student must present proof of current Red Cross First Aid and CPR certification to advisor at the time of application for graduation.

Area/Minor: Physical Education Licensure: Elementary or Secondary

Courses recommended within the General Education Requirements: Chemistry, Physics, Statistics.

Core Curriculum in HPE (23 hours) plus:

HPE 121 Concepts of Health/Wellness (3) Strategy course (2 hours)

In addition: Student must present proof of current Red Cross First Aid and CPR certification to advisor at the time of application for graduation.

Minor: Athletic Training

*A minor in Athletic Training will not lead to athletic training certification nor will it be accepted as an endorsement area on a New Mexico teaching license. Note: General Education requirements must include prerequisites for HPE 312 and HPE 313 - a 4-credit human anatomy and physiology course with lab. Please consult with an advisor before enrolling in the course.

Athletic Training Course Requirements (23 hours)

HPE	209	Basic Care/Prevention: Athletic Injuries (3)
HPE	309/L	Therapeutic Exercise (4)
HPE	312/L	Biomechanics (4)
HPE	313/L	Physiology of Exercise (4)
HPE	348/L	Evaluation of Upper Extremity Injuries (4)
HPE	349/L	Evaluation of Lower Extremity Injuries (4)

Minor: Coaching

Note: General Education requirements must include prerequisites for HPE 411- a 4-credit human anatomy and physiology course with lab. Please consult with an advisor before enrolling in the course.

Coaching Course Requirements (25 hours)			
HPE	209	Basic Care/Prevention: Athletic	
		Injuries (3)	
HPE	245	Theory of Coaching (3)	
HPE	310	Facilities Management (3)	
HPE	335	Measurement/Evaluation of Human	
		Movement (3)	
HPE	381	Officiating of Sports (3)	
HPE	411/L	Motor Learning (4)	
6 credits from the following:			
HPE	331	Coaching of Football (3)	
HPE	333	Coaching of Basketball (3)	
HPE	337	Coaching of Tennis (3)	
HPE	338	Coaching of Soccer (3)	
HPE	341	Coaching of Volleyball (3)	
HPE	342	Coaching of Track and Field (3)	
HPE	382	Coaching of Softball/Baseball (3)	
T 1.1*.*	G (1	· · · · · · · · · · · · · · · · · · ·	

In addition: Student must present proof of current Red Cross First Aid and CPR certification to advisor at the time of application for graduation.

Sample Program of Study in Physical Education

Below is a suggested sequence of courses for the major listed. This is not an official degree plan. For specific information, see advisor.

Freshmar	Year	Fall	Spring
HPE 145	Concepts in Physical Education	3	
HPE 121	Concepts of Health/Wellness		3
	General Education (including PE		
	activity classes)	13	13
	Total credit hours	16	16
Sophomo	re Year	Fall	Spring
HPE 220	First Aid	2	
EDF 222	Structured Observations of Teaching		3
SPED 305	Students Disabilities Reg Classroom		3
BIOL	Human Anatomy & Physiology course	4	
HPE 345	Legal Aspects: Physical Education	3	
	Strategy Courses	2	2
	General Education	6	9
	Total credit hours	17	17
I			
Junior Ye	ar	Fall	Spring
•	ar Foundations of Schooling	Fall 3	Spring
EDF 301			Spring
EDF 301 HPE 312	Foundations of Schooling		
EDF 301 HPE 312 HPE 313	Foundations of Schooling Biomechanics	3	
EDF 301 HPE 312 HPE 313 HPE 433	Foundations of Schooling Biomechanics Physiology of Exercise	3	
EDF 301 HPE 312 HPE 313 HPE 433 HPE 483	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE	3	4
EDF301HPE312HPE313HPE433HPE483HPE473	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE Field Experience	3	4
EDF301HPE312HPE313HPE433HPE483HPE473	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE Field Experience Health Education Methods/Materials	3	4
EDF301HPE312HPE313HPE433HPE483HPE473	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE Field Experience Health Education Methods/Materials Secondary School Teaching/Learning	3 4 2	4
EDF301HPE312HPE313HPE433HPE483HPE473	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE Field Experience Health Education Methods/Materials Secondary School Teaching/Learning Strategy Course	3 4 2 2	4
EDF301HPE312HPE313HPE433HPE483HPE473	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE Field Experience Health Education Methods/Materials Secondary School Teaching/Learning Strategy Course General Education	3 4 2 2 3	4
EDF301HPE312HPE313HPE433HPE483HPE473	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE Field Experience Health Education Methods/Materials Secondary School Teaching/Learning Strategy Course General Education Minor Total credit hours	3 4 2 2 3 3	4 1 3 3 6
EDF 301 HPE 312 HPE 313 HPE 433 HPE 483 HPE 473 SED 380	Foundations of Schooling Biomechanics Physiology of Exercise Methods/Curriculum in PE Field Experience Health Education Methods/Materials Secondary School Teaching/Learning Strategy Course General Education Minor Total credit hours	3 4 2 3 3 17	4 1 3 3 6 17

HPE	411	Motor Learning	4	
HPE		Upper-division course(s)	3	
HPE	483	Field Experience	1	
HPE	490	Professional Review	3	
SED	450	Seminar in Student Teaching		2
SED	460	Secondary Student Teaching		10
		Minor	6	
		Total credit hours	17	12

Total credit hours 17

Bachelor of Occupational Education (BOE)

The Bachelor of Occupational Education is an interdisciplinary degree in Professional-Technical Teacher Education which prepares individuals for instructional responsibilities in professional-technical education and other related fields.

The purpose of the program is to prepare certified teachers in technical subjects to work at high schools and such post-secondary institutions as trade academies, career and technical centers and industrial training centers. The program is designed to combine traditional and non-traditional course credits so as to complete the degree within two years of full-time enrollment at ENMU.

The Bachelor of Occupational Education degree is a baccalaureate degree designed for students who possess an Associate of Occupational Education (A.O.E.), Associate of Science (A.S.) or Associate of Arts (A.A.) degree (or equivalent) earned at an institution accredited by a Council for Higher Education Accreditationrecognized school. The associate's degree is accepted into the bachelor's program for this degree.

By offering small class sizes, utilizing technology, and low student/faculty ratios, the BOE program empowers students to obtain a high-energy type education preparing them for the technical education field.

Potential fields of specialization that students may bring to this program include: agriculture mechanics, aircraft mechanics, air conditioning, auto body repair, auto mechanics, auto parts distribution, business equipment repair, civil technology, construction, cosmetology, culinary arts, data processing technology, dental assistance, diesel mechanics, drafting and design technology, food service, graphic arts, health occupations, health physics, law enforcement and security, machine shop, merchandising, millwright mechanics, nuclear technology, secretarial occupations, small gasoline engine repair, upholstery, water/waste treatment, welding or employee training programs in business and industry.

Degree:

Major:

Bachelor of Occupational Education (BOE)

Professional Technical Education

Bachelor's Degree Requirements, see Page 32

General Education Requirements (46-50 hours), see Page 36

These courses may be taken as part of the associate degree. Major (35–40 hours minimum)

Vocational or technical major work transferred from an accredited institution. Must be in a vocational or technical related field taught in the public schools or in an industrial training area. P

Professio	onal Tech	inical Education (30 hours)
BI FD	350	Cultural and Linguistic Pluralism (3)

BLED	330	Cultural and Linguistic Pluralism (5)
PSY	202	Adolescent Psychology (3)
PTE	301	PTE Foundations (3)
PTE	302	Instructional Facility Design (3)
PTE	303	PTE Curriculum Development (3)
PTE	401	PTE Leadership Organization (3)
PTE	479	Teaching Vocational Disciplines (2)
PTE	480	Methods of Teaching PTE (1)
PTE	481	Supervised Classroom Internship (6)
SPED	305	Students with Disabilities in the Regular
		Classroom (3)

Electives to total 128 hours (0-17 hours)

College of Fine Arts

The College of Fine Arts is committed to serve students, the university, community and region through a broad range of artistic and cultural opportunities. These reflect both the diversity and heritage of the arts.

Numerous concerts, recitals, stage productions and art exhibitions are presented throughout the year. A variety of classes, music ensembles and drama productions are available to all people from the university or community. These opportunities are available both during the daytime and evening hours.

Degree programs provide backgrounds in the fine arts and careeroriented professional training. Curricula are continually evaluated and revised to reflect the best in contemporary educational thought and changing career opportunities.

In addition to the Bachelor of Science (BS) and Bachelor of Arts (BA), the College of Fine Arts awards the Bachelor of Fine Arts (BFA), the Bachelor of Music (BM) and the Bachelor of Music Education (BME). The BME qualifies students in either vocal or instrumental music (grades K–12).

College of Fine Arts Degrees Offered					
	Minor	Major	Emphasis	Endorsement Area/ Minor for Licensure	Degree
Fine Arts	*				
Department of Art					
Art	*	*			AA, BFA, BA, BS
Interdisciplinary Arts			*		BFA, BA, BS
Graphic Design			*		BFA, BA, BS
Visual Arts				*	
Art/Computer Graphics/					(communication
Animation	*				majors only)
Communication/Computer					
Graphics/Animation	*				(art majors only)
Department of Music					
Music	*	*			BS
Piano Performance			*		BM
Instrumental Performance			*		BM
Vocal Performance			*		BM
Music Education		*			BME
Choral			*		BME
Instrumental			*		BME
Performing Arts/Music				*	
Performing Arts/Composite				*	
Piano	*				BME
Music Technology	*				BME
Department of Theatre and D					
Theatre	*	*			BFA
Theatre Performance			*		BFA
Design/Technical Theatre			*		BFA
University Theatre Studies			*		BFA
Theatre Education			*		BFA
Dance Studies			*		BFA
Theatre Education				*	
Dance	*				

Department of Art

Professors:	Gregory Erf Mic Muhlbauer Gregory Senn
Associate Professors: Assistant Professor:	Mary Finneran Yunsun Chung-Shin Catherine Jennings

The Department of Art offers quality baccalaureate programs with teaching strategies aimed at developing conceptual and technical capabilities of students in order to empower them to function as professionals in a rapidly changing world. The curriculum stresses learning and thinking skills leading to personal and educational growth with the belief that art and design are guided as much by the intellect as by the hand. By arrangement with Golden Library, the department offers opportunities for members of the university community to broaden their sense of cultural diversity through exposure to yearround, changing art exhibitions in Runnels Gallery.

Major programs in art leading to BA, BS and BFA degrees include: (1) **Emphasis in Graphic Design** which stresses advertising art, package design, publication design, computer graphics and animation, illustration and marketing; (2) **Emphasis in Interdisciplinary Art** which stresses knowledge in both two-dimensional and threedimensional materials in pursuit of personal expression. The interdisciplinary art program is based on the belief that the fine artist must cross disciplines to understand many techniques and concepts to be successful in today's competitive art world.

Two-Year Foundation Program

The foundation program offers an interdisciplinary approach to the visual arts. This two-year long foundation experience is designed to introduce students to techniques, methods and concepts common to the creative disciplines. It aims to develop visual literacy as well as to encourage growth in artistic perception.

Through this introduction to a variety of ideas and techniques, with materials in design, drawing, computers and photography, students appreciate the complexity of the creative process and learn to articulate their personal aesthetic. They investigate the differences between wet and dry media, additive and subtractive processes, two- and three-dimensional forms and the relationship between ideas and materials. Formal concerns such as line, shape, color, value, texture, scale and composition are explored. All courses with the exception of Art History I and II, Drawing and Human Figure are team taught by two or more instructors.

Interdisciplinary Art Program

The Interdisciplinary Art program encourages the student to continue working in all two- and three-dimensional media in pursuit of personal expression. The student will explore interdisciplinary approaches to his/her art by incorporating many of the various media available within the program. Facilities are available for ceramics, computer art and animation, drawing, jewelry, painting, performance art, photography, sculpture and printmaking.

The object of this program is to expose art students to a variety of disciplines within the department to expand their visual ideas. This program also addresses various aspects to the profession of art outside the studio, such as: marketing strategies, grant writing, museum and gallery management, public art, ethical issues, portfolio development and career directions.

Graphic Design Program

The graphic designer's job is to make information useful by presenting it in an attractive, easy-to-read and understandable manner. In this way the designer has the ability to link a writer with the reader or a producer with the consumer. The results of the designer's efforts are seen in forms ranging from: catalogs delivered to the door, packaging on store shelves, trade show exhibits, television commercials and web sites designed with high-tech computer animation, graphics and moving graphics.

The graphic design program requires the study of drawing, design history, 3-D structure, typography and photography. This visual commitment provides the student with the experience to uniquely capture the consumer's attention, intrigue and make the consumer actively want to stop and read. This program includes professional practice courses on catalog design, magazine production, portfolio development and career options.

Bachelor of Fine Arts Degree

The Bachelor of Fine Arts degree is conceived by the Art Department of Eastern New Mexico University to be a highly professional undergraduate program that prepares students in a more specialized and directed way before entering the professional fields in art. Students seeking a BFA degree in the Department of Art enter by special application only. Application to this program may be made no sooner than the second semester of the student's sophomore year. Acceptance into this program is competitive and based on the quality of both visual and written material submitted. If denied admittance into the program the student may reapply in a subsequent semester. Acceptance into the BFA program must be granted no later than three semesters prior to expected graduation.

Requirements for admission into the Department of Art BFA program:

- 1. Successful completion of three semesters of course work (minimum 31 credit hours) with a 3.00 GPA in all art courses taken.
- 2. Successful completion of the following art courses: ART 145, 146, 165, 166, 199, 205, 245, 299 and 345.
- 3. Submission of a portfolio consisting of examples and letter of intent. A list of required work, deadlines and application form and available from the BFA coordinator. This portfolio will be reviewed by the entire faculty of the Department of Art.

All BFA candidates are required to have a senior show during their last semester. Each student is responsible for security, publicity and installation of their work. The exhibit must be in place for a minimum of five days.

All BFA majors must complete 131 hours: 46-50 hours General Education requirements and 84 hours Art requirements.

Other Guidelines

BS and BA majors are not required to present a senior show. BS and BA majors are required to complete a minimum of 128 hours, to include 46-50 hours General Education and 76 hours Art requirements, plus the hours required for a minor.

Lab fees are required in many Art courses. An inexpensive 35 mm camera with adjustable shutter speeds and F-stops is required throughout the freshman and sophomore years.

All students enrolled in art courses must furnish their own materials except certain equipment provided by the university. ENMU is not liable for damages from fire, water or theft to personal property or to any student work.

Descriptions of ART courses begin on Page 108.

Bachelor's Degrees

Majors

All art majors earning BA, BS or BFA degrees must complete the following art core requirements for a total of 44 hours:

Art Core Requirements (44 hours)

		· · · · ·
ART	145	Materials I (4)
ART	146	Materials II (4)
ART	165	Art History I (4) (satisfies General
		Education requirement)
ART	166	Art History II (4)
ART	199/299	Demonstration of Conceptual
		Development (4)
ART	205	Drawing (4)
ART	206	Human Figure (4)
ART	245	Visual Concepts and Principles I (4)
ART	246	Visual Concepts and Principles II (4)
ART	345	Advanced Materials I (4)
ART	346	Advanced Materials II (4)

Students earning a BA or BS degree must complete a minor of at least 15 hours.

Emphasis Areas

The department offers a variety of emphases within the art major. Students majoring in art must select one of the following emphases. Note some of the emphases apply to particular degrees.

- Interdisciplinary Arts (BFA only)
- Interdisciplinary Arts (BA or BS)
- Graphic Design (BFA only)
- Graphic Design (BA or BS)

Bachelor of Fine Arts (BFA) degree

Students may major in art while pursuing a Bachelor of Fine Arts degree. Students must select from one of the following emphasis areas.

Emphasis: Interdisciplinary Arts

Interdisci	plinary A	rt Requirements (40 hours)
ART	365	History of Design I (4)
ART	366	History of Design II (4)
ART	395	Interdisciplinary Arts I (4)
ART	396	Interdisciplinary Arts II (4)
ART	495	Interdisciplinary Arts III (4)
ART	496	Interdisciplinary Arts IV (4)
ART	399/499	Demonstration of Conceptual
		Development (4)
Profession	al Practice	e (8) (with consent of advisor.)

Professional Practice (8) (with consent of advisor.) ART electives (4)

Emphasis: Graphic Design

Graphic	Design Ar	t Requirements (40 hours)	
ART	365	History of Design I (4)	
ART	366	History of Design II (4)	
ART	375	Introduction to Graphic Design (4)	
ART	376	Graphic Design Techniques (4)	
ART	475	Publication Design (4)	
ART	476	Graphic Design Portfolio (4)	
ART	399/499	Demonstration of Conceptual	
Development (4)			
Professional Practice (8) (with consent of advisor)			

Art Electives (4)

Bachelor of Arts (BA) or Bachelor of Science (BS) Degree

Students may major in art while pursuing a Bachelor of Science or a Bachelor of Arts degree. Students must select from one of the following emphasis areas and must complete a minor of 15 hours.

Emphasis: Interdisciplinary Arts

Interdis	ciplinary A	rt Requirements (32 hours)
ART	365	History of Design I (4)
ART	366	History of Design II (4)
ART	395	Interdisciplinary Arts I (4)
ART	396	Interdisciplinary Arts II (4)
ART	495	Interdisciplinary Arts III (4)
ART	496	Interdisciplinary Arts IV (4)
ART	399/499	Demonstration of Conceptual
		Development (4)
Dectoratio	nal Desstia	(4) (with concent of advisor)

Professional Practice (4) (with consent of advisor.)

Emphasis: Graphic Design

Graphic	Design Ar	t Requirements (32 hours)	
ART	365	History of Design I (4)	
ART	366	History of Design II (4)	
ART	375	Introduction to Graphic Design (4)	
ART	376	Graphic Design Techniques (4)	
ART	475	Publication Design (4)	
ART	476	Graphic Design Portfolio (4)	
ART	399/499	Demonstration of Conceptual	
Development (4)			
Professional Practice (4) (with consent of advisor)			

Associate of Arts (AA) Degree

Major:	Art	
	(Art	requirements total 36 hours)
Art Cou	ırse Requir	ements (36 hours)
ART	145	Materials I (4)
ART	146	Materials II (4)
ART	165	Art History I (4) (satisfies General
		Education requirement.)
ART	166	Art History II (4)
ART	205	Drawing (4)
ART	206	Human Figure (4)
ART	245	Visual Concepts and Principles I (4)
ART	246	Visual Concepts and Principles II (4)
ART	199/299	Demonstration of Conceptual
		Development (4)

Subject Matter Endorsement (24 hours)

Area/Minor:	Visu	al Arts
Licensure:	Elem	entary Only
Art Core I	Requiren	nents (24 hours)
ART	145	Materials I (4)
ART	146	Materials II (4)
ART	165	Art History I (4)
ART	166	Art History II (4)
Select 8 add	ditional h	ours from the following:
ART	245	Visual Concepts and Principles I (4)
ART	246	Visual Concepts and Principles II (4)
ART	345	Advanced Materials I (4)
ART	346	Advanced Materials II (4)
ART	365	History of Design I (4)
ART	366	History of Design II (4)

Minor:

Communication/Computer Graphics/Animation

(for art majors only)

Communication/Computer Graphics Course				
Requiren	Requirements (28 hours)			
COMM	103	Introduction to Mass Communication (3)		
COMM	110/L	Beginning Television Production (3)		
COMM	220/L	Intermediate Television Production (3)		
ART	459	Computer Graphics/Animation (4)		
		(Repeat for 12 hours)		
4 hours from the following:				
COMM	344	Mass Communication Workshop (2)		
		(Repeat for 4 hours)		
3 hours from the following:				
COMM	420	Documentary Writing and Production (3)		
COMM	422/L	Directing for Television (3)		

Minor: Art/Computer Graphics/ Animation

(for telecommunication majors only)

ART	145	Materials I (4)	

ART	146	Materials II (4)

- ART 245 Visual Concepts and Principles I (4)
- ART 345 Advanced Materials I (4)
- ART 459 Computer Graphics/Animation (12) (Repeated for credit)

Minor:

(for non-majors)

Art Course Requirements (24 hours)

- ART 145 Materials I (4)
- ART 146 Materials II (4)

Art

- ART 165 Art History I (4)
- ART 166 Art History II (4)
- ART 205 Drawing (4)
- ART 245 Visual Concepts and Principles I (4)

Minor:

Fine Arts

(for non-majors, non-teaching minor only)

Fine Arts Course	Requirements (27 hours)
MUS	6 hours
ART	4 hours
THTR	3 hours
DNC	3 hours
Fine Arts electives	11 hours

Department of Music



Professors:	John Olsen
	Jeanie Wozencraft-Ornellas
Associate Professors:	Tracy Carr
	Mark Dal Porto
	John Kennedy
	Tamara Raatz
Assistant Professors:	Chris Beaty
	Roberto Mancusi
	Jason Paulk
Instructors:	Neil Rutland
	Dustin Seifert

The Department of Music at Eastern New Mexico University provides exceptional professional preparation for its music majors and significant educational and aesthetic experiences for the university community and the region it serves. As an entity within a statesupported regional institution, the department recognizes its need to respond to the changing needs of contemporary society.

Our focus is on the development of the individual student so each might find meaning and fulfillment as an artist, as an educated member of society and as an expressive human being.

The Department of Music at Eastern New Mexico University is one of three departments within the College of Fine Arts and is committed to providing exceptional professional preparation for its music majors. Programs in music prepare students for careers in performance, public school, private studio teaching or graduate studies. The Department of Music is an accredited institutional member of the National Association of Schools of Music. Many courses and ensembles are available to the non-music major. Students can study and experience music of virtually any style, from traditional Western European music to Jazz or ethnic music.

Part of this preparation includes periodic formal assessment of students. Music majors are required to participate in the assessment process and to demonstrate continued musical growth and development. All students must satisfactorily complete a minimum of two (2) upper-level assessments.

Entering freshman and transfer students majoring in music must take a theory placement examination. Students desiring to pursue a Bachelor of Music degree in performance are required to pass an audition before admittance to this program. Admittance to a music education program does not automatically constitute acceptance into the teacher education program. (See Page 43 for information about Teacher Education Regulations.) Music education majors must have the approval of the discipline faculty and the chair of the Department of Music before they can student teach.

Students pursuing a choral or instrumental music education program can qualify for state certification in grades K–12 with the endorsement in either choral or instrumental music. Descriptions for MUED courses begin on Page 140. Descriptions for MUS courses begin on Page 138.

Students majoring in music education will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Music Core Requirements (required of all majors for BS, BM, BME degrees) (26 hours)

ajors for	D3, DI	м, ыме degrees) (20 nours)
MUS	151	Music Theory I (3) (satisfies General
		Education requirement)
MUS	152	Music Theory II (3)
MUS	153	Aural Skills I (1)
MUS	154	Aural Skills II (1)
MUS	163	Literature of Music (3)
MUS	212	Assessment I (NC)
MUS	219	Recital Attendance (NC)
		(must complete a total of seven
		semesters of MUS 219/419)
MUS	251	Music Theory III (3)
MUS	252	Music Theory IV (3)
MUS	253	Aural Skills III (1)
MUS	254	Aural Skills IV (1)
MUS	306	Conducting I (1)
MUS	333	History of Music I (3)
MUS	334	History of Music II (3)
MUS	412	Assessment II (NC)
MUS	419	Recital Attendance (NC)
		(must complete a total of seven
		semesters of MUS 219/419)

Bachelor of Science (BS) Maior: Music

Performance Courses (16 hours)

Applied Music (8 hours) (private or class lesson) Ensemble (8 hours) (must enroll each semester for a minimum of eight semesters for a minimum of 1 credit hour per semester; must include four semesters of large ensemble)

Music Electives (5 hours)

Must include academic music classes

Capstone Experience (3–6 hours)

MUS 454 Senior Project (3) OR

MUS 459 Internship in Music (6)

Note: Students must complete a minor of at least 15 hours as a requirement of the Bachelor of Science. (Suggested minors include: Music Technology (18 hours), see Page 64, Electronic Media (25 hours), see Page 76.)

Bachelor of Music (BM)

Students may major in music while pursuing a Bachelor of Music degree. Students must select from one of the following emphasis areas.

Emphasis:	Pia	no Performance	
Courses	Courses that must be chosen within the General Education		
Require	Requirements:		
PSY	101	Introductory Psychology (3)	
Emphasi	s Requir	ements (6 hours)	
MUS	411B	Conducting II (1)	
MUS	452	Form and Analysis (2)	
PSY	201	Child Psychology (3) OR	
PSY	202	Adolescent Psychology (3)	
Performa	ance Cou	rses (32 hours)	
MUS	307	Junior Recital (1)	
MUS	407	Senior Recital (1)	
MUS	464	Chamber Music Performance (1)	
(must take 3 hours)			
MUS	220	Piano (12 hours minimum)	
MUS	420	Piano (12 hours minimum)	
Large Ens	semble (3	hours)	
(must enr	oll for a n	ninimum of three semesters)	
Pedagogy	y and Lit	erature Courses (17 hours)	
MUS	181	MIDI I (3)	
MUS	265	Introduction to Piano Pedagogy (2)	
MUS	365	Piano Pedagogy I (3)	
MUS	366	Piano Pedagogy II (3)	
MUS	367	Practicum in Piano Pedagogy (1)	
(must enroll for a minimum of two semesters)			
MUS	471	Piano Literature I (2)	
MUS	472	Piano Literature II (2)	

Emphasis:

Instrumental Performance (Winds and Percussion)

Emphasis Requirements (5 hours)

Emphasis	Kequiter	nents (5 nours)
MUS	362	Orchestration and Arranging (2)
MUS	411B	Conducting II (1)
MUS	452	Form and Analysis (2)
Performa	nce Cours	ses (37 hours)
MUS	117	Fundamentals of Piano (1)
MUS	118	Fundamentals of Piano (1)
MUS	217	Fundamentals of Piano (1)
MUS	218	Fundamentals of Piano (1)
MUS	307	Junior Recital (1)
MUS	407	Senior Recital (1)
24 hours (minimum) major applied (private lessons),
	0	

24 hours (minimum) major applied (private lessons), must include 9 hours of upper-level (400-level) instruction 7 hours of band, must include:

3 semesters Marching Band (1 semester may include HPE 118, Marching Band, for 1 credit)
4 semesters (MUS 298, 498) Symphonic Band

Large Ensemble substitutions can only be made with the consent of the Chair of the Department of Music.

6 hours instrumental ensemble Music Electives (8–11 hours)

Music Electives (8–11 nours) Must include 3 hours from the following:

wiust mei	uuc 5 no	furs from the following.
MUED	223	High Brass Teaching Techniques (1)
MUED	200	$\mathbf{T} = \mathbf{M} (1 - 1 - (1))$

- MUED 300 Jazz Methods (1)
- MUED 310 Woodwind Teaching Techniques I (1)
- MUED 311 Woodwind Teaching Techniques II (1)
- MUED 312 Low Brass Teaching Techniques (1)

MUED 314 Percussion Teaching Techniques (2) Any remaining hours to be selected from academic MUS/MUED courses

Emphasis:	Vocal Performance
Courses the	t must be chosen within the Genera

Courses t	Courses that must be chosen within the General Education					
Requiren	Requirements:					
FR	101	Beginning French (4)				
3 hours Ei	nglish Lite	rature				
Emphasis	s Require	ments (13 hours)				
MUS	375	History of Music Theatre (3)				
MUS	401	Vocal Literature I (2)				
MUS	402	Vocal Literature II (2)				
MUS	452	Form and Analysis (2)				
FR	102	Continuation of Beginning French (4)				
Performa	nce Cour	cses (33 hours)				
MUS	307	Junior Recital (1)				
MUS	332	Functional Piano (1)				
MUS	407	Senior Recital (1)				
MUS	210	Voice (8 hours minimum)				
MUS	410	Voice (12 hours minimum)				
Large Choral Ensemble (8 hours)						
(must enre	(must enroll for a minimum of eight semesters)					
MUS	247/447	Swanee Singers (1)				
1 hour pia	no and co	mpletion of proficiency				
Pedagogy	Pedagogy Courses (14 hours)					
MUS	363	Language Diction I (2)				
MUS	364	Language Diction II (2)				
MUS	481	Vocal Pedagogy (3)				
MUS	263/					
	463	Stagecraft for Singers (1)				
		(4 semesters minimum)				
THTR	121	Beginning Acting (3)				

Bachelor of Music Education (BME)

Students may major in music education while pursuing a Bachelor of Music Education degree. Students must select from one of the following emphasis areas.

Emphasis: Licensure:	Cho Grae	oral des K-12
		ation Course Requirements (33 hours),
see Page		
-	-	ements (5 hours)
MUS	360	Choral Arranging (2)
MUS	362	Orchestration and Arranging (2)
MUS	411A	Conducting II (1)
Performa	nce Cou	rses (17 hours)
MUS	210	Voice (4 hours minimum)
MUS	332	Functional Piano (1)
MUS	410	Voice (4 hours minimum)
Seven hou	rs minim	um large choral ensemble (must enroll each
semester f	or minim	um of seven semesters and a minimum of
one hour j	per semes	ter)
MUS	302	Junior Recital (NC)
One hour	minimum	piano and completion of proficiency
Music Ed	ucation	Courses (12 hours)
MUED	378	Teaching Elementary School Music (3)
MUED	476	Teaching Secondary School Music (3)
MUS	363	Language Diction I (2)
MUS	481	Vocal Pedagogy (3)
MUS	263/	
	463	Stagecraft for Singers (1)

	Emphasis:	Instrumental	(Winds	and
--	-----------	--------------	--------	-----

		W MEXICO Oniversity	
Emphasis:	Inst	trumental (Winds and	
	Per	cussion)	
Licensure:	Gra	des K–12	
Professio	nal Educ	cation Course Requirements (33 hours),	
see Page	47		
Emphasis	s Require	ements (3 hours)	
MUS	362	Orchestration and Arranging (2)	
MUS	411B	Conducting II (1)	
Performa	nce Cou	rses (16 hours)	
MUS	114	Fundamentals of Voice (1)	
	-	applied (private lessons) (three hours must	
be upper of			
		num band (must enroll each semester for a	
		semesters and for a minimum of one hour	
		t include a minimum of three semesters	
-		e semester may include HPE 118, Marching	
Band for o		/	
MUS	302	Junior Recital (NC)	
One hour minimum piano (completion of MUS 218)			
Music Education Courses (18 hours)			
MUED	223	High Brass Teaching Techniques (1)	
MUED	300	Jazz Methods (1)	
MUED	310	Woodwind Teaching Techniques I (1)	
MUED	311	Woodwind Teaching Techniques II (1)	
MUED	312	Low Brass Teaching Techniques (1)	
MUED	313	String Teaching Techniques (1)	
MUED	314	Percussion Teaching Techniques (2)	
MUED	372	Techniques of Marching Band (2)	
MUED	378	Teaching Elementary School Music (3)	
MUED	403	Wind Ensemble and Band Literature (2)	
MUED	476	Teaching Secondary School Music (3)	
	M		

Minor: Music (28 hours)

Note:	No	t١	usable	toward	teaching	endorsement in music
-	-		~	-		(40.1

Music	Core Requ	irements (19 hours)		
MUS	151	Music Theory I (3)		
MUS	152	Music Theory II (3)		
MUS	153	Aural Skills I (1)		
MUS	154	Aural Skills II (1)		
MUS	163	Literature of Music (3)		
4 hours	s private les	sons		
4 hours ensemble (must enroll each semester for a minimum of				
4 seme	sters)			

Music Electives (9 hours)

9 hours music courses (must include 6 hours academic courses)

Subject Matter Endorsement

Area/Minor: Performing Arts/Music (24 hours) -

Licensure:	Elementary
Music Core	e (11–12 hours)

wiusic v		2 IIOUIS)
MUS	153	Aural Skills I (1)
MUS	163	Literature of Music (3)
MUS	151	Music Theory I (3)
MUS	219	Recital Attendance (NC)
		(must complete two semesters)
	MUS MUS MUS	MUS 163 MUS 151

2 hours voice

Completion of piano proficiency (MUS 218 Fundamentals of Piano (1) or equivalent)

1-2 hours chorale ensemble

Music Education Courses (6 hours)

MUED Music for Elementary Teachers (3) 377

MUED 378 Teaching Elementary School Music (3)

Select an	n additio	onal 6–8 hours from the following:
MILC	110	Euclomentals of $C_{\text{witer}}(1)$

MUS	119	Fundamentals of Guitar (1)
		(may be repeated for a total
		of two hours)
MUS	152	Music Theory II (3)
MUS	154	Aural Skills II (1)
MUS	306	Conducting I (1)
MUS	332	Functional Piano (1)
MUS	334	History of Music II (3)
Large or	Small Ir	strumental Ensembles (1 hour) (MUS

Large or Small Instrumental Ensembles (1 hour) (MUS 269, 469, 274, 474, 297, 497)

Subject Matter Endorsement Area/Minor: **Performing Arts/Composite** (Theatre and Music) (24 hours) Licensure: Elementary

Note: Students choosing the composite endorsement must schedule a combined meeting with the chairs of the Department of Theatre and Dance and the Department of Music. Together, the student and the department chairs will determine the appropriate course work for this endorsement.

	Fine Arts (27 hours) (for non-majors, non-teaching minor only) rse Requirements (27 hours)
MUS	6 hours
ART	4 hours
THTR	3 hours
DNC	3 hours
Fine Arts Elect	ives 11 hours
Minor:	Piano (27 hours)

Piano Core (16 hours) MUS 220/420 Piano 8 hours (two each semester for four semesters) MUS 265 Introduction to Piano Pedagogy (2) MUS 302 Junior Recital (NC) OR 30-minute jury (NC) MUS 365 Piano Pedagogy I (3) 366 Piano Pedagogy II (3) MUS Music Core (11 hours) MUS 151 Music Theory I (3)

WI00	151	without incory i (5)
MUS	152	Music Theory II (3)
MUS	153	Aural Skills I (1)
MUS	154	Aural Skills II (1)
MUS	163	Literature of Music (3)

Minor:

Music Technology (18 hours)

Music Core Requirements (12 hours) MIDI I (3) MUS 181 281 MUS MIDI II (3) 182 Music Recording Techniques I (3) MUS MUS 282 Music Recording Techniques II (3) Music Electives (minimum 6 hours)

Any academic music courses

Private Lessons for the major - any instrument (maximum three hours credit)

Music Ensembles (maximum four hours credit)

Department of Theatre and Dance

Professor:	
Associate	Professors:

Assistant Professors:

Felipe E. Macias Jill Pribyl Janeice Scarbrough Anne Beck

The Department of Theatre and Dance offers training in the art and craft of theatre and dance while providing students with a foundation in the liberal arts. A high level of commitment and professionalism is expected from all students, whether they are pursuing a professional or an educational career. Many students, especially those with a minor in theatre or dance, will use their arts experience as enrichment to training in other areas.

The Department of Theatre and Dance is committed to a thorough and ongoing assessment process for students. Formal student assessment normally occurs at the end of each semester. New students who desire to pursue a BFA degree may do so on a probationary basis pending their official acceptance by the faculty into a BFA degree program. Upon acceptance, each departmental student is further expected to continue to participate in the assessment process by periodically demonstrating to the faculty, his/her continued growth and development in dramatic arts.

Theatre majors must meet all requirements outlined in the Departmental Handbook. Once accepted into the BFA program the student is required to maintain an overall GPA of 2.50 along with a 3.00 GPA in all departmental courses taken. Consistent with university policy, a "D" grade will not count in the student's major or minor programs. A minimum 2.5 GPA, after the first semester, is required for participation in all departmental productions. Descriptions for THTR courses begin on Page 148.

Students majoring in theatre with an emphases in theatre education will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Learning Communities

All majors within the Department of Theatre and Dance (with the exclusion of those in Theatre Education Emphasis) are required to enroll in the following cohort of departmental classes through their sophomore year. Those in the Theatre Education emphasis will be required to enroll in the Learning Communities offered in the fall of the freshman and sophomore years. This will enable students in the Theatre Education emphasis to enroll and move through the program with their peers in all emphasis classes currently within the learning community cohort.

First Yea	Fall	Spring		
Learning	g Comr	nunity		
THTR	115	Dramatic Analysis		3
THTR	117	Freshman Theatre Peformance	6	
THTR	140	Freshman Technical Seminar		6
THTR	205	Tech. Prod. (Design/Tech.	2	2
		emphasis only		
UNIV	101	Freshman Seminar	3	
		General Education	6-7	6
		Total credit hours	15-17	15-17

Second	Fall	Spring		
Learning	g Comn	nunity		
DNC	315	Laban Movement Analysis		3
THTR	122	Voice for the Performaer	3	
THTR	205	Tech. Prod. (Design/Tech.	2	2
		emphasis only		
THTR	221	Intermediate Acting		3
THTR	312	Basic Stage Directing		3
THTR	340	Design Seminar	6	
		General Education	6	6
		Total credit hours	15-17	15-17

Degree: Bachelor of Fine Arts (BFA)

Students may major in theatre while pursuing a Bachelor of Fine Arts degree. Students must select from one of the following emphasis areas.

Core Requirements (51 hours)

DNC	315	Laban Movement Analysis (3)
THTR	115	Dramatic Analysis (3)
THTR	117	Freshman Theatre Performance (6)
THTR	122	Voice for the Performer (3)
THTR	140	Freshman Technical Seminar (6)
THTR	221	Intermediate Acting (3)
THTR	312	Basic Stage Directing (3)
THTR	324*	Playwriting (3)
THTR	340	Design Seminar (6)
THTR	425	Dramatic Literature (3)
THTR	431	Theatre History I (3)
THTR	432	Theatre History II (3)
THTR	433	Theatre History III (3)
THTR	499	Major Recital (3)
*Not room	rad for Th	postro Education Emphasis

*Not required for Theatre Education Emphasis

Major: Theatre

Emphasis: Dance Studies Courses that must be chosen within the General Education Requirements: DNC 101 Introduction to Dance (3) A course with lab in Human Anatomy to be chosen in consultation with department chair (4) Emphasis Requirements (20 hours)

DNC	102	Beginning Modern Dance (3)
DNC	108	Beginning Ballet (2)
DNC	202	Intermediate Modern Dance (3)
DNC	207	Dance Notation (2)
DNC	208	Intermediate Ballet (2)
DNC	302	Advanced Modern Dance (3)
DNC	394	Dance History (3)
DNC	451	Choreography (2)

Emphasis: Design/Technical Theatre

Courses that must be chosen within the General Education **Requirements:** ART 101 Beginning Drawing (3) **Emphasis Requirements (20 hours)** EET/ ENGR 111 Engineering Graphics (3) THTR 205 Technical Production (3 sections) (16) 405 Technical Production (4 sections) (8) THTR THTR 434 Theatrical Scene Painting (3)

Emphasis: Theatre Education

Licensure: Fine Arts K–12

Professional Education Requirements (33 hours), see Page 47 Emphasis Requirements (42 hours) THTR 117 Freshman Theatre Performance (6)

11111	11/	Treshinan Theatre Terrorinance (6)
THTR	122	Voice for the Performer (3)
THTR	140	Freshman Technical Seminar (6)
THTR	221	Intermediate Acting (3)
THTR	312	Basic Stage Directing (3)
THTR	340	Design Seminar (6)
THTR	431	Theatre History I (3)
THTR	432	Theatre History II (3)
THTR	433	Theatre History III (3)
THTR	470	Children's Theatre in Performance (3)
THTR	471	Children's Theatre in Production (3)

Emphasis: Theatre Performance (15 hours)

DNC	302	Intermediate Modern Dance (3)
THTR	205	Technical Production (2)
THTR	212	Theatrical Makeup (2)
THTR	221	Intermediate Acting (3)
THTR	321	Advanced Acting (3)
THTR	405	Technical Production (2)

Emphasis: University Theatre Studies (8 hours)

IHIK	205	Technical Production (2)
THTR	405	Technical Production (2 sections) (4)
THTR	212	Theatrical Makeup (2)

Subject Matter Endorsement

Area/Minor: Performing Arts/Composite (Theatre and Music) (24 hours)

Licensure: Elementary

Note: Students choosing the composite endorsement must schedule a combined meeting with the chairs of the Department of Theatre and Dance and the Department of Music. Together, the student and the department chairs will determine the appropriate course work for this endorsement.

Subject Matter Endorsement Area/Minor: Theatre Education

Licensure:	Fi	ne Arts K-12
Theatre	Course	Requirements (24 hours)
THTR	121	Beginning Acting (3)
THTR	312	Basic Stage Directing (3)
THTR	340	Design Seminar (6)
THTR	405	Technical Production (2)
		(must take 6 hours)
6 additio	nal hour	s to be determined by department

Minor: Dance

Dance	Course	Requirements (24 hours)
DNC	102	Beginning Modern Dance (3)
DNC	108	Beginning Ballet (2)
DNC	202	Intermediate Modern Dance (3)
DNC	208	Intermediate Ballet (2)
DNC	351	Movement Improvisation (2)
DNC	394	Dance History (3)
THTR	206	Rehearsal and Performance (1)
		(must take 2 hours)

7 hours of DNC electives as approved by department

Minor: Fine Arts (27 hours)

(for ı	non-majors, non-teaching minor only)
MUS	6 hours
ART	4 hours
THTR	3 hours
DNC	3 hours
Fine Arts Electives	11 hours

Minor: Theatre

Theatre	Course	Requirements (24 hours)
THTR	117	Freshman Theatre Performance (6)
THTR	122	Voice for the Performer (3)
THTR	340	Design Seminar (6)
THTR	431	Theatre History I (3) OR
THTR	432	Theatre History II (3) OR
THTR	433	Theatre History III (3)
6 hours of	of electiv	es with approval of department

College of Liberal Arts and Sciences

The College of Liberal Arts and Sciences is a broad curricular unit organized to emphasize the essential harmony of the social, cultural and scientific efforts of society. Within the rationale of liberal education, its principal purpose is to help students realize personal, professional, and vocational objectives. All departments of the college offer courses for general and liberal studies in addition to courses for majors and minors. A multicultural approach is utilized whenever possible. Instruction is enhanced by utilization of the Natural History, Blackwater Draw, Miles and Roosevelt County Museums; the Speech, Language, Hearing Clinic; KENW Radio and Television Station and the Computer Center. Faculty and students within the college engage in research and professional activities, many of these promoted through research institutes and publication series supported by the university.

In addition to the Bachelor of Science (BS) and Bachelor of Arts (BA) degrees, the College of Liberal Arts and Sciences offers the Bachelor of Science in Nursing (BSN), Bachelor of Applied Science (BAS), Bachelor of University Studies (BUS) degree and the Bachelor of Applied Arts and Science (BAAS). The BUS affords the student a very broad-based undergraduate experience without the focused specialization of a major. The requirements for the BUS degree and the BAAS degree are on Page 32.

College of Liberal Arts and Sciences Degrees Offered					
	Minor	Major	Emphasis	Endorsement Area/ Minor for Licensure	Degree
Department of Anthropology and A	pplied A	rcha	aeolo	ogy	
Anthropology	*	*			BA, BS
Department of Biology					
Biology	*	*			BA, BS
General Science				*	BA, BS
Teaching of Natural Science	*				
Wildlife and Fisheries Sciences	*	*			BS
Department of Communicative Arts	and Sci	ience	es		
Art/Computer Graphics/Animation	*				(communication majors only)
Communication/Computer					
Graphics/Animation	*				(art majors only)
Communication	*	*			BA, BS
Broadcast Journalism			*		BA, BS
Broadcast Production			*		BA, BS
Communication Studies			*		BA, BS
Journalism	*		*		BA, BS
Public Relations			*		BA, BS
Sports Communications			*		BA, BS
Electronic Media	*				
Department of Communicative Diso	rders ar	nd N	ursir	ng	
Communicative Disorders		*			BS
Nursing		*			BSN
Department of History and Humanit	ies				
History	*	*			BA, BS
Social Studies				*	
Interdisciplinary Programs					
Applied Arts and Sciences		*			BAAS
Greater Southwestern Studies	*				
General Studies		*			AA
Allied Health					
Medical Terminology		*			BS
Pre-Medicine					
Pre-Dentistry					
Pre-Pharmacy					
Pre-Physical Therapy					
Pre-Physician's Assistant					
Pre-Veterinary Medicine			_		
University Studies		*			BUS
Women's Studies	*				

	Minor	Major	Emphasis	Endorsement Area/ Minor for Licensure	Degree
Department of Languages and Literat	ure				
English	*	*		*	BA, BS
Modern Languages				*	
Professional/Technical Writing	*				
Spanish	*	*		*	BA
Department of Mathematical Science	s				
Computer Science	*	*			BS
Electronics Engineering Technology					
Composite		*			BS, BAS
Electronics Engineering Technology	*				
Mathematics	*	*		*	BA, BS
Statistics	*		*		
Mathematics Composite				*	
Department of Physical Sciences					
Chemical Physics	*				
Chemistry	*	*			BS
Environmental Geology	*				
General Science				*	
Geochemistry	*				
Geology	*	*			BA, BS
Geophysics	*				
Physics	*	*			BS
Teaching of Natural Science	*				
Department of Religion					
Greek	*				
Religion	*	*			BA, BS
Department of Social and Behavioral					
Criminal Justice	*	*			BA, BS
Legal Studies	*				
Political Science	*	*			BA, BS
Psychology	*	*		*	AA, BA, BS
Public Administration and Policy	*				
Social Studies				*	
Social Work		*			BSW
Sociology	*	*			BA, BS

Department of Anthropology	مر الالم
and Applied Archaeology	GUL

Stephen R. Durand

Professors:	
-------------	--

	Janet O. Frost
	John L. Montgomery
	Phillip H. Shelley
Assistant Professor:	Kathy Roler Durand
Instructor:	David C. Batten

Anthropology

Anthropology, the study of humanity, past and present, is divided into four subdivisions: (1) archaeology, the study of past cultures; (2) physical anthropology, the study of the biological structure; (3) ethnology, the cross-cultural study of today's societies and (4) linguistics, the study of human communication as one important aspect of peoples and culture. Utilizing these many viewpoints, the discipline brings together various studies of peoples into a meaningful whole. Because of this orientation, anthropology is steadily growing in importance in education, industry, business and national and international government service.

Instruction is supplemented by an anthropological research division known as the Agency for Conservation Archaeology and anthropological museums: the Blackwater Draw Museum, the Miles Anthropological Museum and the Blackwater Draw National Historic Landmark archaeological site.

Research plays an important part in the department. Heavy emphasis is placed upon pre-Columbian Native American archaeological studies and the Southwestern United States. The university's location provides a unique vantage point to study America's earliest prehistoric cultures. All faculty members of the department are involved in research on a national and/or international basis.

The Department offers a Bachelor of Arts Degree, a Bachelor of Science Degree and a Social Studies major which leads to a BA or BS with secondary licensure to teach. The 36-hour Social Studies major will prepare a student for endorsement in general social studies (see Page 103).

The faculty are involved in both qualitative and quantitative research within their disciplines covering many fields; some of those areas of research include archaeology, lithic technology, physical anthropology, historic preservation and cultural resource management. Descriptions for ANTH courses begin on Page 107.

Geography

At ENMU, Geography courses are offered as service courses to the General Education program and those majors requiring or recommending their use. Descriptions for GEOG courses begin on Page 129.

Degree:	Bachelor of Arts (BA) or Bachelor of Science (BS)			
Major:	Anthropology			
Anthropology Course Requirements (36 hours)				
ANTH	243	Introduction to Cultural Anthropology (3)		
ANTH	245/L	Introduction to Archaeology (4)		
ANTH	247/L	Humans and Primates:		
		Evolution and Variation (4)		
ANTH	492	History of Anthropology (3)		
ANTH	495	Fundamentals of Archaeological		
		Theory (3)		
19 hours	of ANTH	electives		

Minor: Anthropology

Anthropology Course Requirements (22 hours)				
	ANTH	243	Introduction to Cultural Anthropology (3)	
	ANTH	245/L	Introduction to Archaeology (4)	
	ANTH	247/L	Humans and Primates:	
Evolution and Variation (4)				

11 hours of upper-division ANTH electives

Department of Biology

Professor: Associate Professors:	Marvin M. F. Lutnesky Zhiming Liu
	Manuel F. Varela
Assistant Professors:	Young Cho
	Gregory Keller
	Darren Pollock
	Nicholas J. D. Wright
Instructor:	Deborah M. Rowley

Students may major in biology in a broad sense (selecting electives from course offerings in biology, botany, cellular/molecular biology, microbiology or zoology), or they may major in biology with an emphasis in botany, cellular/molecular biology, microbiology, premedical or zoology. Students may follow the specialized curriculum for the wildlife and fisheries sciences major. Teaching degrees with a secondary licensure are also available.

Also in the sciences is an interdisciplinary organization which offers programs in the Allied Health Sciences. These programs include a Bachelor of Science in Medical Technology and several pre-professional, pre-clinical programs. Students are referred to the section on Page 83 for Allied Health Sciences in this catalog for details on these programs.

Students who want to teach secondary school science in New Mexico may obtain a Bachelor of Science degree in Biology with a minor in Teaching of Natural Sciences to obtain a secondary science licensure. Students should check teacher education requirements and secondary science licensure requirements on Pages 47–48. Descriptions of BIOL courses begin on Page 109. Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Core, Emphasis and Elective Curricula in Biology (48–53 hours)

1					
	Biology Core Course Requirements (22 hours)				
	BIOL	151/L	General Biology I (4)		
	BIOL	152/L	General Biology II (4)		
	BIOL	214/L	Microbiology (4)		
	BIOL	222	Cell Biology (3)		
	BIOL	231	Genetics (3)		
	BIOL	303	General Ecology (3)		
	BIOL	492	Undergraduate Seminar (1)		
	Emphasis	Course 1	Requirements (18–23 hours)		
	Select on	e of the f	ollowing emphases:		
	A. General Biology — A minimum of 21 credit hours in				
	const	iltation wi	th the academic advisor		
	B. Botany				
	BIOL	216	General Botany (3)		
	BIOL	. 303L	General Ecology Lab (1)		
	BIOL	. 305	Evolution and Systematics (3)		
	BIOL	L 410/L	Plant Systematics (4)		
	BIOL	415/L	Plant Physiological Ecology (4)		
	BIOL	2 420/L	Plant Structure and Function (4)		
	Plus one course from <i>Zoology Electives List</i> at right (3–4)				
	C. Cell, Molecular Biology, and Biotechnology				
	BIOL	. 375	General Biotechnology (3)		
	BIOL	. 380	Endocrinology (3)		
	BIOL	2 409/L	Microbial Physiology (4)		
	BIOL	. 425/L	Molecular Biology (4)		

Developmental Biology (4)

BIOL 427/L

D. Microbiology General Biotechnology (3) BIOL 375 BIOL 409/L Microbial Physiology (4) **BIOL 421/L** Principles of Immunology (4) **BIOL 422/L** Medical Microbiology (4) OR **BIOL 425/L** Molecular Biology (4) **BIOL 427/L** Developmental Biology (4) **BIOL 450/L** Virology (4) E. Pre-Medical Anatomy and Physiology I (4) BIOL 209/L **BIOL 210/L** Anatomy and Physiology II (4) **BIOL 380** Endocrinology (3) Principles of Immunology (4) OR **BIOL 421/L BIOL 422/L** Medical Microbiology (4) Advanced Human Physiology (4) BIOL 424/L F. Zoology BIOL 216 General Botany (3) **BIOL 300/L** Invertebrate Zoology (4) BIOL 303L General Ecology Lab (1) BIOL 305 Evolution and Systematics (3) Plus two courses from Zoology Electives List below (7-8) Zoology Electives List BIOL 301/L General Entomology (4) **BIOL 307/L** Vertebrate Zoology (4) **BIOL 341/L** Parasitology (4) **BIOL 411/L** Herpetology (4) Medical Entomology (3) BIOL 418 Limnology and Freshwater Biology (4) BIOL 430/L Mammalogy (4) **BIOL 431/L** Ichthyology (4) BIOL 436/L BIOL 442/L Ornithology (4)

Elective Course Requirements (8 hours)

A minimum of eight upper-division credit hours in consultation with the academic advisor

Degree: Bachelor of Arts (BA) or Bachelor of Science (BS)

Major: Biology Core, Emphasis, and Elective Curricula in Biology (48-53 hours) (see Page 70) **Required courses in other areas (16 hours)** CHEM 151/L General Chemistry I (4) CHEM 152/L General Chemistry II (4) PHYS 151/L General Physics (4) Select one of the following: CHEM 251/L Integrated Organic and Biochemistry (4) OR 341/L Organic Chemistry I (4) CHEM Note: The Biology faculty strongly recommends that premedical students also take CHEM 342/L (4), CHEM 401 (1) and CHEM 452 (3).

1inor:	Biology (18–19 hours)			
BIOL	151/L	General Biology I (4)		
BIOL	152/L	General Biology II (4)		
BIOL	214/L	Microbiology (4) OR		
BIOL	222	Cell Biology (3)		
BIOL	231	Genetics (3)		
BIOL	303/L	General Ecology (4)		

Þ

Degree:Bachelor of Science (BS)Major:Wildlife and Fisheries Sciences

Note: This degree does not require a minor. Furthermore, choices from this degree program include 33 hours of the 46–50 hours General Education requirements. General education choices are indicated with an asterisk (*).

Course Requirements (Important: Consult with your advisor about certification requirements for The Wildlife Society and the American Fisheries Society.)

a. Biology Core Course Requirements (50 hours) Any one course counts towards 3 hours of general education requirements in the Science category (IV). BIOL 110 Introduction to Wildlife and Fisheries Sciences (3) BIOL 151/L General Biology I (4)*

DIOL	101/12	
BIOL	152/L	General Biology II (4)
BIOL	216	General Botany (3)
BIOL	231	Genetics (3)
BIOL	303/L	General Ecology (4)
BIOL	404/L	Fisheries Management (4)
BIOL	405/L	Wildlife Management (4)
BIOL	430/L	Limnology and Freshwater Biology (4)
BIOL	431/L	Mammalogy (4)
BIOL	436/L	Ichthyology (4)
BIOL	492	Undergraduate Seminar (1)
Select of	one of the	following:
BIOL	300/L	Invertebrate Zoology (4)
BIOL	301/L	General Entomology (4)
Select one of the following:		
BIOL	411/L	Herpetology (4)
BIOL	442/L	Ornithology (4)

b. Elective Course Requirements (10 additional hours in biology)

Select at least one botanical and one zoological course with the approval of your advisor. Recommended courses include: BIOL 214/L Microbiology (4) Invertebrate Zoology (4) BIOL 300/L 301/L General Entomology (4) BIOL BIOL 305 Evolution and Systematics (3) BIOL 307/L Vertebrate Zoology (4) BIOL 341/L Parasitology (4) BIOL 410/L Plant Systematics (4) BIOL 411/L Herpetology (4) BIOL 415/L Plant Physiological Ecology (4) BIOL 420/L Plant Structure and Function (4) BIOL 425/L Molecular Biology (4) BIOL 442/L Ornithology (4) BIOL 460/L Landscape Ecology and GIS (4) In addition, the following is recommended for students wishing to pursue a graduate degree: BIOL 222 Cell Biology (3) **Required Courses in Other Areas** c. Physical Sciences (15 hours) Any one course from GEOL, CHEM or PHYS counts toward 3 hours of General Education requirements in the Science category (IV). Note: Students wishing to pursue a graduate degree should take at least one general chemistry and one general physics course.

Select courses from at least two areas: *Physical Sciences Electives List*

Physical Scie Cooloan

Geology				
GEOL	123/L	Earth Resources (4)		
GEOL	151/L	Physical Geology (4)		
GEOL	152/L	Historical Geology (4)		

Soils 204/L AG Soil Science (3) Chemistry CHEM 151/L General Chemistry I (4) CHEM 152/L General Chemistry II (4) CHEM 251/L Integrated Organic and Biochemistry (4) CHEM 341/L Organic Chemistry I (4) CHEM 342/L Organic Chemistry II (4) **Physics** PHYS 141/L Astronomy (4) PHYS 151/L General Physics (4) General Physics (4) PHYS 152/L PHYS 201/L Physics I (5) PHYS 202/L Physics II (5) d. Quantitative Sciences (10 hours) Ten hours of quantitative sciences from the Quantitative Sciences Electives List with at least two disciplines represented. *Any two asterisked courses count toward 7 hours of General Education requirements in the Understanding and Applying Mathematical Principles category (II). Quantitative Sciences Electives List **MATH 119** College Algebra (3)* STAT 213 Statistical Methods I (4)* Select one of the following: **MATH 124** Calculus I (4)* STAT 313 Statistical Methods II (3) STAT 414 Nonparametric Methods (3) STAT 415 Survey Sampling Methods (3) STAT 432 Statistical Packages (3) e. Humanities and Social Sciences (9 hours) Select three of the following courses from the Social Science and Humanities General Education categories (categories VI and VII). Your selection must include at least one course from category VI, no more than two courses from a single area in category VII and no more than one foreign language course from category VII. The three courses will count towards 9 hours of General Education requirements in categories VI and/or VII. **Category VI: Social Science Economics** ECON 221 Principles of Macro Economics (3) ECON 222 Principles of Micro Economics (3) **Political Science** Introduction to Political Science (3) PSCI 101 PSCI 102 American National Government (3) Psychology PSY 101 Introductory Psychology (3) PSY 134 Psychology of Adjustment (3) Sociology SOC Introductory Sociology (3) 101 Contemporary Social Issues (3) SOC 212 **Category VII: Humanities** History HIST 101 Survey of American History to 1877 (3) HIST 102 Survey of American History since 1877 (3) Survey of Western Civilization (3) 121 HIST Survey of Western Civilization (3) HIST 122 HIST 203 New Mexico (3)

Introduction to World Humanities (3) Introduction to Modern World Humanities (3)

Humanities HUM 221

HUM 222
72 Eastern New Mexico University

	T • 4		
	Literat		
	ENG	201	Types of Literature (3)
	ENG	211	Introduction to Literature (3)
	ENG	221	British Literature Survey I (3)
	ENG	222	British Literature Survey II (3)
	-	n Langua	
	FR	101	Beginning French (4)
	FR	102	Continuation of Beginning French (4)
	FR	201	Intermediate French (3)
	FR	202	Continuation of Intermediate French (3)
	SPAN		Beginning Spanish (4)
	SPAN		Continuation of Beginning Spanish (4)
	SPAN		Intermediate Spanish (3)
	SPAN		Continuation of Intermediate Spanish (3)
f.			(12 hours)
			ked courses count toward 9 hours of
			on requirements.
			s Electives List
	Select of	one of the	following:
	ENG	102	English Composition (3)*
	ENG	108	English Composition (honors) (3)*
	Select of		following:
	ENG	104	English Composition and
			Research (3)*
	ENG	109	Composition and Research
			(honors) (3)*
			following:
		101/L	Interpersonal Communication (3)*
	COMM		Public Speaking (3)*
	COMM		Dynamics of Group Behavior (3)
			following:
	COMM		any additional course (3)
	ENG	325	Professional and Technical Writing (3)
	ENG		Creative Writing (3)
	ENG		Expository Writing (3)
		416	Report Writing (3)
g.			tration, Law, Human Dimensions
	(6 hou		
			following:
	CJ	102	Introduction to Criminal Justice (3)
	PSCI	321	Public Policy Process (3)
	PSCI	332	Public Administration (3)
	DOOT	410	

PSCI	410	Public Policy Issues (3)

SOC/CJ432 Police and Society (3)

Minor:

Wildlife and Fisheries Sciences (26 hours)

	•		
BIOL	110	Introduction to Wildlife and Fisheries	
		Sciences (3)	
BIOL	151/L	General Biology I (4)	
BIOL	152/L	General Biology II (4)	
BIOL	231	Genetics (3)	
BIOL	303/L	General Ecology (4)	
Applied V	Vildlife/F	isheries Course Requirement*	
(4 hours)			
Select one	of the foll	owing:	
BIOL	404/L	Fisheries Management (4)	
BIOL	405/L	Wildlife Management (4)	
Electives* (4 hours)			
Select one	of the foll	owing with advisor's approval:	
BIOL	411/L	Herpetology (4)	
BIOL	431/L	Mammalogy (4)	
BIOL	436/L	Ichthyology (4)	
BIOL	442/L	Ornithology (4)	
*Some courses may have prerequisites.			

Degree:	Bac	helor of Science (BS)	
Major:	Biology		
, Licensure:	Secondary Science		
		be chosen within the Teaching Degree	
		Requirements:	
		ents (19 hours)	
		ience requirement by taking the following:	
GEOL	151/L	Physical Geology (4)	
GEOL	152/L	Historical Geology (4)	
PHYS	151/L	General Physics (4)	
Fulfill the	6-hour ma	ath requirement by taking the following:	
MATH	119	College Algebra (3)	
STAT	213	Statistical Methods I (4)	
Teaching	Field Blo	ock (35–37 hours)	
BIOL	151/L	General Biology I (4)	
BIOL	152/L	General Biology II (4)	
BIOL	209/L	Anatomy and Physiology I (4)	
BIOL	210/L	Anatomy and Physiology II (4)	
BIOL	214/L	Microbiology (4)	
BIOL	231	Genetics (3)	
Select on	e course f	rom each of the four areas:	
a. Mole			
BIOI	L 409/L	Microbial Physiology (4)	
	L 425/L	Molecular Biology (4)	
		nd Physiology	
	L 307/L	Vertebrate Zoology (4)	
BIOI	L 415/L	Plant Physiological Ecology (4)	
	L 420/L	Plant Structure and Function (4)	
c. Orga			
	L 214/L	Microbiology (4)	
	216	General Botany (3)	
	L 301/L	General Entomology (4)	
	L 431/L	Mammalogy (4)	
BIOI	L 436/L	Ichthyology (4)	
	L 442/L	Ornithology (4)	
d. Ecol			
BIOI	L 110	Introduction to Wildlife and Fisheries Sciences (3)	
DIOI	202/	General Ecology (4)	
	L 303/L L 305	Evolution and Systematics (3)	
	L 303 L 415/L	Plant Physiological Ecology (4)	
	L 413/L L 430/L	Limnology and Freshwater Biology (4)	
		(22 hours)	
		atural Science course requirements for	
For react	ing of N	atural Science course requirements for	

For Teaching of Natural Science course requirements for Biology, see below.

Minor: Teaching of Natural Science

(To be used with Secondary Science Licensure Biology major) Teaching Requirements (10 hours)

	reaching Requirements (10 nours)			
	BIOL	439	Teaching in Biology (1)	
	CHEM	439	Teaching in Chemistry (1)	
	GEOL	439	Teaching in Geology (1)	
	PHYS	439	Teaching in Physics (1)	
	SED	380	Secondary School	
			Teaching/Learning (3)	
	SED	410	Issues in Secondary Teaching (3)	
Additional Science Courses (12 hours)				
	CHEM	151/L	General Chemistry I (4)	
	CHEM	152/L	General Chemistry II (4)	
	PHYS	152/L	General Physics (4)	

Subject Matter Endorsement

Area/Minor: General Science

Licensure:	Elen	nentary	
Up to 12-	hours of a	science coursework taken as part of the	
general	educatio	on requirements may apply to the	
endorsen	ent. Stud	lents must take the 151/L courses. See	
advisor t	o assist w	ith the selection of electives.	
Required	Courses	(16 hours):	
BIOL	151/L	General Biology I (4)	
CHEM	151/L	General Chemistry I (4)	
GEOL	151/L	Physical Geology (4)	
PHYS	151/L	General Physics (4)	
Electives	(8 hours))	
BIOL	214/L	Microbiology* (4)	
BIOL	216	General Botany* (3)	
GEOL	410	Environmental Geology* (3)	
GEOL	482	Geology of New Mexico* (2)	
GEOL	484	Geology of Western National Parks (3)	
PHYS	141/L	Astronomy (4)	

PHYS 141/L Astronomy (4) Students wishing to pursue middle school licensure must take 12 of upper division courses (300/400-level). Other science courses with prior consent of advisor.

*Requires prerequisites or consent of instructor.



Professors:	Janet Roehl
	Anthony Schroeder
	Robert Vartabedian
Associate Professor:	Christopher Stasheff
Assistant Professors:	Margaret Kirby
	Kevin D. Mitchell
Instructors:	Patricia A. Dobson
	John Kirby

The Department of Communicative Arts and Science offers study in a variety of communication disciplines. Degree requirements are designed to give students professional training, technical expertise and theoretical understanding.

Bachelor of Arts and Bachelor of Science with majors in communication and emphases degrees are offered in broadcast journalism, broadcast production, communication studies, journalism, public relations and sports communication. The department also offers a Master of Arts with a major in communication.

Unique hands-on educational opportunities are available to students. These include KENW-TV (PBS affiliate), KENW-FM (NPR affiliate), a student-operated radio station, *The Chase* (student newspaper), *The Silver Pack* (student yearbook), *Hound Bytes* (student-online magazine) and the intercollegiate debate and forensics programs.

The faculty of the Department of Communicative Arts and Sciences is involved in a variety of research within their disciplines. There are opportunities for students to work with faculty on research projects. Faculty members also provide consultative services.

Communication Studies

The undergraduate emphasis in communication studies is designed to illustrate the importance of understanding the relationship between communicative behaviors in interpersonal and public communication settings.

The curriculum is designed to provide instruction in the theory and application of rhetorical concepts; communication research; and basic applications to nonverbal communication, organizational, gender, family and intercultural communication. The instructional focus is broad with a social-scientific orientation committed to the belief that many methodological approaches are appropriate to studying and building theoretical explanations of communication.

Students are encouraged to develop their performance skills by participating in intercollegiate debate and individual contest speaking. The activity is designed to develop critical thinking, reasoning, research skills and platform skills.

Mass Communication

Undergraduate students in mass communication may pursue a major emphasis in broadcast journalism, broadcast production, journalism, public relations or sports communication. Minors are offered in electronic media and journalism. Students receive instruction and experience in radio and television production, announcing, reporting, communication design, public relations, journalism and online publishing.

The programs of study are designed to give students a core understanding of mass communication and focused study on areas of specialization. Practical experience is available through campus FM and AM radio/audio productions, KENW-TV television production and station operations, *The Chase, Hound Bytes* and *Silver Pack*. Descriptions of COMM courses begin on Page 114.

Students pursuing emphases in broadcast journalism and broadcast production may not minor in electronic media and those pursuing an emphasis in journalism may not minor in journalism. All mass communication students must complete the mass communication core requirements.

Mass Communication Core Requirements (16 hours)

СОММ	103	Introduction to Mass Communication (3)
COMM	203/L	News Writing (3)
COMM	300	Introduction to Communication
		Theory (3)
COMM	414	Mass Media Law (3)
COMM	415	Ethics in Public Communication (3)
COMM	498	Senior Seminar (1)

Degree: Bachelor of Arts (BA) or Bachelor of Science (BS) Major: Communication

The department offers the BA/BS with a major in Communication. The Communication major, with the exception of the emphasis in communication studies, requires the Mass Communication core requirements. Within the major, the student must select one of the following emphases:

Emphasis: Broadcast Journalism

Courses that must be chosen within the General Education **Requirements:** COMM 102 Public Speaking (3) PSCI 102 American National Government (3) **Communication Emphasis Requirements (32 hours)** COMM 110/L Beginning Television Production (3) 210/L Audio Production (3) COMM Intermediate Television Production (3) COMM 220/L COMM 223 Voice and Performance (3) COMM 302 Electronic News Gathering (3) COMM 304 Reporting (3) COMM 327 Broadcast Journalism (3) Documentary Writing and Production (3) COMM 420 8 hours from the following: COMM 344 Mass Communication Workshop (2) COMM Electives (6 hours) in consultation with advisor

Emphasis: Broadcast Production

Courses that must be chosen within the General Education Requirements:

PSCI	102	American National Government (3)	
Communi	cation Er	nphasis Requirements (32 hours)	
COMM	110/L	Beginning Television Production (3)	
COMM	210/L	Audio Production (3)	
COMM	220/L	Intermediate Television Production (3)	
COMM	328	Producing and Planning the Television	
		Series (3)	
COMM	335	Script Writing for Electronic Media (3)	
COMM	404	Online Communication (3)	
COMM	422/L	Directing for Television (3)	
COMM	423	Radio Station Operations (3)	
8 hours from the following:			
COMM	344	Mass Communication Workshop (2)	
001010			

COMM Electives (6 hours) in consultation with advisor

College of Liberal Arts and Sciences 75

Emphasis:		nmunication Studies		
	Courses that must be chosen within the General Education			
Requiren	nents:			
COMM	101/L	Interpersonal Communication (3)		
Commun	ication C	Course Requirements (27 hours)		
COMM	102	Public Speaking (3)		
COMM	103	Introduction to Mass Communication (3)		
COMM	202	Dynamics of Group Behavior (3)		
COMM	250	Techniques of Listening (3)		
COMM	300	Introduction to Communication		
		Theory (3)		
COMM	301	Principles and Practices of		
		Communication Research (3)		
COMM	334	Persuasive Communication (3)		
COMM	338	Intercollegiate Forensics (1)		
		(must take 2 hours)		
COMM	390	Rhetorical Theory (3)		
COMM	498	Senior Seminar (1)		
Commun	Communication Electives (15 hours)			
Select from	n the follo	owing:		
COMM	231	Argumentation Theory (3)		
COMM	331	Intercultural Communication (3)		
COMM	355	Techniques of Job Interviewing (3)		
COMM	380	Nonverbal Communication (3)		
COMM	447	Organizational Communication (3)		
COMM	470	Interpersonal Communicative		
		Behavior (3)		
COMM	475	Gender Communication (3)		
COMM	477	Family Communication (3)		

Emphasis: Journalism

Courses th	iat must r	be chosen within the General Education			
Requirem	ents:				
PSCI	102	American National Government (3)			
HIST	102	Survey of American History			
		Since 1877 (3)			
Communi	cation Er	nphasis Requirements (30 hours)			
COMM	212	Introduction to Digital Photography (3)			
COMM	304	Reporting (3)			
COMM	305	Copy Editing (3)			
COMM	306	Communication Design (3)			
COMM	401	Editorial Writing (3)			
COMM	402	Magazine Writing (3)			
COMM	403	Computer Assisted Reporting (3)			
COMM	404	Online Communication (3)			
COMM	412/L	Photojournalism (3)			
COMM	489	Communication Internship (3)			
COMM Electives (6 hours) in consultation with advisor					

Emphasis: Public Relations

Courses that must be chosen within the General Education				
Requiren	nents:			
COMM	102	Public Speaking (3)		
PSCI	102	American National Government (3)		
Communi	ication E	mphasis Requirements (45 hours)		
COMM	110/L	Beginning Television Production (3)		
COMM	212	Introduction to Digital Photography (3)		
COMM	260	Public Relations (3)		
COMM	301	Principles and Practices of		
		Communication Research (3)		
COMM	303	Public Relations Techniques (3)		
COMM	304	Reporting (3)		
COMM	305	Copy Editing (3)		
COMM	306	Communication Design (3)		

COMM	307	Public Relations Design (3)
COMM	327	Broadcast Journalism (3)
COMM	334	Persuasive Communication (3) OR
COMM	401	Editorial Writing (3)
COMM	402	Magazine Writing (3)
COMM	447	Organizational Communication (3)
COMM	456	Event Management (3)
COMM	460	Public Relations Cases and Campaigns (3)
Course Requirements Outside Communication (9 hours)		
CIS	241	Introduction to Web Development (3)
MKT	301	Principles of Marketing (3)
MKT	452	Integrated Marketing Communications (3)
Related H	Electives	(5 hours) in consultation with advisor

Emphasis: Sports Communications

npnasis:	ipnasis: Sports Communications			
Courses that must be chosen within the General Education				
Requiren	Requirements:			
COMM	102	Public Speaking (3)		
Commun	ication E	Emphasis Requirements (35 hours)		
COMM	110/L	Beginning Television Production (3)		
COMM	210/L	Audio Production (3)		
COMM	212	Introduction to Digital Photography (3)		
COMM	260	Public Relations (3)		
COMM	304	Reporting (3)		
COMM	306	Communication Design (3) OR		
COMM	307	Public Relations Design (3)		
COMM	327	Broadcast Journalism (3)		
COMM	340	Sports Communication (3)		
COMM	344	Mass Communication Workshop (2)		
COMM	403	Computer Assisted Reporting (3)		
COMM	404	Online Communication (3)		
COMM	440	Sports Media Production (3)		
Course R	equirem	ents outside Communication (18 hours)		
HPE	245	Theory of Coaching (3)		
HPE	381	Officiating of Sports (3)		
Choice of	2 courses	s (6 hours)		
HPE	331	Coaching of Football (3)		
HPE	333	Coaching of Basketball (3)		
HPE	337	Coaching of Tennis (3)		
HPE	338	Coaching of Soccer (3)		
HPE	341	Coaching of Volleyball (3)		
HPE	342	Coaching of Track and Field (3)		
HPE	382	Coaching of Softball and Baseball (3)		
Related El	lectives (6 hours) in consultation with advisor		

Minor:

Art/Computer Graphics/ Animation

(for Communication majors only) Art/Computer Graphics Course Requirements (28 hours) ART 145 Materials I (4)

ART	146	Materials II (4)
ART	245	Visual Concepts and Principles I (4)
ART	345	Advanced Materials I (4)
ART	459	Computer Graphics/Animation (4)
		(repeated for 12 hours)

Minor:	Со	mmunication/Computer
	Gra	aphics/Animation
	(for	Art majors only)
Commun	ication/C	Computer Graphics Course
Require	ments (2	8 hours)
COMM	103	Introduction to Mass Communication (3)
COMM	110/L	Beginning Television Production (3)
COMM	220/L	Intermediate Television Production (3)
ART	459	Computer Graphics/Animation (4) (repeat for 12 hours)
4 hours fr	om the fo	llowing:
COMM	344	Mass Communication Workshop (2) (repeat for 4 hours)
3 hours fr	om the fo	
COMM	420	Documentary Writing and Production (3)
COMM	422/L	Directing for Television (3)
		e ()
Minor:	Co	mmunication Studies
Commun	ication (Course Requirements (18 hours)
COMM	102	Public Speaking (3)
COMM	103	Introduction to Mass Communication (3)
COMM	202	Dynamics of Group Behavior (3)
COMM	250	Techniques of Listening (3)
COMM	300	Introduction to Communication
		Theory (3)
COMM	334	Persuasive Communication (3)
Commun	ication H	Electives (9 hours)
Select from	m the foll	6
COMM	231	Argumentation Theory (3)
COMM	331	Intercultural Communication (3)
COMM	338	Intercollegiate Forensics (1)
	(may be	e repeated for a maximum of 3 hours)
COMM	355	Techniques of Job Interviewing (3)
COMM	380	Nonverbal Communication (3)
COMM	390	Rhetorical Theory (3)
COMM	447	Organizational Communication (3)
COMM	470	Interpersonal Communicative Behavior (3)
COMM	475	Gender Communication (3)
COMM	477	Family Communication (3)
Minor:	Jou	rnalism

Communication Course Requirements (21 hours)

COMM	203/L	News Writing (3)
COMM	212	Introduction to Digital Photography (3)
COMM	304	Reporting (3)
COMM	305	Copy Editing (3)
COMM	306	Communication Design (3)
COMM	403	Computer Assisted Reporting (3)
COMM	412/L	Photojournalism (3)

Minor: Electronic Media

Communication		Course Requirements (25 hours)
COMM	103	Introduction to Mass Communication (3)
COMM	110/L	Beginning Television Production (3)
COMM	203/L	News Writing (3)
COMM	210/L	Audio Production (3)
COMM	220/L	Intermediate Television Production (3)
COMM	302	Electronic News Gathering (3)
COMM	327	Broadcast Journalism (3)
4 hours from the following:		
COMM	344	Mass Communication Workshop (2)

Suggested Programs of Study in Communication

For specific information on particular degree plans, see advisor. **Broadcast Journalism:**

- 1. First year must take COMM 102, COMM 103, COMM 110/ 110L, PSCI 102.
- 2. Sophomores should take 200-level classes. COMM 203
- 3. Juniors should take 300-level classes and COMM 344.
- 4. Seniors should take 400-level classes, COMM 415, and COMM 498 the last semester.

Broadcast Production:

- 1. First year must take PSCI 102, COMM 103, COMM 110/ 110L.
- 2. Sophomores must take 200-level classes. COMM 203
- 3. Juniors should take 300-level classes and COMM 344.
- 4. Seniors should take 400-level classes, COMM 415, and COMM 498 the last semester.

Journalism:

- 1. First year must take PSCI 102, HIST 102 and COMM 103.
- 2. Sophomores should take 200-level classes, COMM 212, and COMM 203.
- 3. Juniors should take 300-level classes.
- 4. Seniors should take 400-level classes, COMM 415, and COMM 498 the last semester.

Public Relations:

- 1. First year must take COMM 102, COMM 103, COMM 110/110L, PSCI 102, CIS 151.
- 2. Sophomores should take 200-level classes, COMM 260, COMM 212 and COMM 203.
- 3. Juniors should take 300-level classes.
- 4. Seniors should take 400-level classes, COMM 415, and COMM 498 the last semester.

Sports Communication:

- 1. First year must take COMM 102, COMM 103 and COMM 110/110L.
- 2. Sophomores must take COMM 203 and 200-level classes.
- 3. Juniors should take 300-level classes.
- 4. Seniors should take 400-level classes, COMM 415, and COMM 498 the last semester.

Department of Communicative Disorders and Nursing

Communicative Disorders

Professor: Assosiate Professor: Assistant Professor: Instructors: Phillip Million Linda Weems Suzanne Swift Claudia Bird Adrienne Bratcher and

The Bachelor of Science degree with a major in Communicative Disorders (CDIS) provides pre-professional instruction in the normal and disordered processes of speech, language and hearing. The degree may lead to careers in speech-language pathology, speech science, audiology, deaf education or other related areas. The bachelor's degree is pre-professional in that a master's degree is required as part of the minimum requirements to serve as a Speech-Language Pathologist or Audiologist in virtually all medical, public school or other private settings. Speech-Language Pathologists and Audiologists work with a variety of ages (i.e., birth through the elderly), clients with various disorders (e.g., language, articulation, fluency, voice and hearing disorders) and in a wide range of settings (e.g., private clinics, hospitals, rehabilitation centers, private practice, public schools, preschools).

The Bachelor of Science with a major degree in Communicative Disorders does not assure one of entrance into a graduate program, either at ENMU or elsewhere. Students are strongly encouraged to maintain high levels of academic performance throughout their undergraduate program in order to increase their chances of being accepted into a graduate program.

For all 300-level CDIS courses, a student must be at least junior status with an overall undergraduate GPA of at least 2.75. For all 400-level CDIS courses, a student must be at least senior status with an overall undergraduate GPA of at least 3.00. Descriptions of the CDIS courses begin on Page 116.

Note: Student must complete a minor as a requirement of the Bachelor of Science. The minor must be in psychology, biology, or an area approved by the CDIS faculty.

Degree: Major:	Con	helor of Science (BS) nmunicative Disorders
		be chosen within the General Education
Requiren	ients:	
BIOL	207/L	Applied Anatomy and Physiology (4) OR
BIOL	209/L	Anatomy and Physiology I (4)
PHYS	113/L	Survey of Physics (4) OR
PHYS	151/L	General Physics (4)
STAT	213	Statistical Methods I (4)
Course R	equireme	ents in other areas must include the
following		
ENG	325	Professional and Technical Writing (3)
Plus one o	f the follo	wing:
BIOL	209/L*	Anatomy and Physiology I (4)
BIOL	210/L*	Anatomy and Physiology II (4)
*If not tak	en to satis	fy general education science requirements.
BIOL	231	Genetics (3)
BIOL	433/L	Neurobiology (4)
CHEM	113/L	Chemistry for Today (4)
CHEM	151/L	General Chemistry I (4)
MATH	More ad	vanced course work beyond the minimum
	six hours	of General Education required for the major
PSY	467	Physiological Psychology (3)

Commun	icative D	isorders Course Requirements (41 hours)
CDIS	143	Introduction to Communicative
		Disorders (3)
CDIS	250	Speech and Language Development (3)
CDIS	252	Phonetics (3)
CDIS	300	Speech-Language Anatomy and
		Physiology (3)
CDIS	302	Hearing/Vestibular Anatomy and
		Physiology (3)
CDIS	311	Articulation Disorders (3)
CDIS	332	Language Disorders in Children (3)
CDIS	342	Basic Audiology (3)
CDIS	400	Speech Science (3)
CDIS	421	Neuroscience of Communication (3)
CDIS	424	Language Assessment (3)
CDIS	434	Aural Rehabilitation (3)
CDIS	443	Clinical Management (3)
CDIS	444	Speech-Language Apprenticeship (1) OR
CDIS	445	Speech-Language Practicum (1)
CDIS	446	Audiology Practicum (1)

Suggested Program of Study in Communicative Disorders

Below is a suggested sequence of courses for the major listed. This is not an official degree plan. For specific information, see advisor.

Freshman Y	ear	Fall	Spring
CDIS 143	Intro Comm Disorders	3	or 3
PHYS 113/L	Survey of Physics OR		4
PHYS 151/L	General Physics		4
	General Education electives	13–16	9-12
	Total credit hours	16–19	16–19
Sophomore	Year	Fall	Spring
CDIS 250	Speech & Language Devel	3	
CDIS 252	Phonetics		3
BIOL 207/L	Applied Anat & Phys OR	4	
BIOL 209/L	Anatomy & Physiology I	-	
STAT 213	Statistical Methods I		4
	General Education electives	9	9
	Total credit hours	16	16
Junior Year		Fall	Spring
CDIS 300	Speech-Language Anat/Phys	3	
CDIS 302	Hearing/Vestibular Anat/Phys	3	
CDIS 311	Articulation Disorders		3
CDIS 332	Language Disorders in Children		3
CDIS 342	Basic Audiology		3
ENG 325	Professional & Tech Writing	3	or 3
	General Education electives	10	7
	Total credit hours	16–19	16–19

Senior Year		Fall		Spring
CDIS 400	Speech Science	3		
CDIS 421	Neuroscience of Comm			3
CDIS 424	Language Assessment	3		
CDIS 434	Aural Rehabilitation	3		
CDIS 443	Clinical Management	3		
CDIS 444	Speech-Lang Apprentice OR			1
CDIS 445	Speech-Lang Practicum			1
CDIS 446	Audiology Practicum	1	or	1
	Minor and electives	4		12
	Total credit hours	16-17		16-17

Nursing

Nursing Program Director :	
Associate Professor:	Ellen E. Bral
Instructor:	Lorraine Goodrich

Mission Statement

The Bachelor of Science in Nursing Completion Program of Eastern New Mexico University:

- Enables registered nurses to earn their first professional degree in nursing; and
- Provides a strong foundation for advanced study and specialization in nursing.

Philosophy

Central to the Nursing Program's philosophy are the beliefs and values which faculty hold about Nursing's Domain Concepts — those theoretical constructs which identify the parameters of our professional practice: Person, Health, Environment and Nurse/Nursing. These concepts are at the core of the humanistic, intellectual and ethical values that inform baccalaureate Nursing Education. Our philosophy also expresses our commitment to the values inherent in the mission and philosophy of Eastern New Mexico University, of which the Nursing Program is an integral part.

As Nursing Program faculty, we define "Person" as an individual human being of intrinsic worth and, by extension, a family or community that becomes the focus of Nursing whenever a potential or actual health care need exists. We view "Health" as a unity of the whole person — body, mind and spirit; a harmony that includes physical, social, aesthetic and moral realms. Our concept of "Environment" is that of a dynamic reality within and around us, which affects us and is affected by us; the health care system is that aspect of the environment through which nursing care is delivered. We consider the distinctive function of the "Nurse" to be knowledgeable caring: using the scientific approach to improve nursing practice, contributing to the health and independence of persons whenever possible and supporting them to die in peace and with dignity when death is inevitable.

As Nursing Program faculty, we hold ourselves accountable for the quality of our educational program and for promoting safe and effective Nursing practice. We are responsible for doing this through our teaching, service and scholarship and by collaborating with health care professionals and consumers of health care. As a constituent unit of Eastern New Mexico University, the Nursing Program shares the university's commitment to liberal learning, freedom of inquiry and cultural diversity.

Program Outcomes/Competencies

- 1. Accept personal accountability for ethical and competent nursing practice, as well as for continuing professional and personal development.
- 2. Base clinical practice on methods of scientific inquiry including the nursing process to meet clients' needs for increasingly complex health care in various settings.
- 3. Apply concepts from nursing theories and research, cultural competencies, the sciences and humanities, to assess individual clients', families' and communities' needs for nursing intervention.
- 4. Collaborate with clients and other health care professionals to plan and deliver health care services.
- 5. Communicate effectively orally and in writing critical thinking about major concepts and processes central to nursing: e.g., ethical and effective leadership, clinical excellence.

Program Accreditation

The BSN Completion Program of ENMU is accredited by the National League for Nursing Accrediting Commission, Inc. (NLNAC). Contact information for NLNAC is the following: NLNAC; 61 Broadway, 33rd Floor; New York, NY 10006; phone: (800) 669-1656 ext. 153.

Admissions

All students must fulfill requirements for admission to the university and to the program. Courses in the Nursing major are open only to persons who have met these requirements:

- Associate's degree in Nursing from a nationally accredited program or diploma in Nursing from a state board-approved program;
- Active RN licensure;
- Grades of "C" or higher in all Nursing courses;
- Grades of "C" or higher in all prerequisite science courses;
- Application for admission submitted to the university;
- Letter of intent and application for admission submitted to the BSN-Completion Program;
- Three current letters of recommendation submitted, including an assessment of clinical skills from a registered nurse;
- · Admission interview with the Nursing Program Director; and
- Completion of the California Critical Thinking Skills Test.

Technical Nursing Program Courses (30 hours)

Students must transfer, from their technical nursing program, 30 credit hours in the core areas of medical-surgical, pediatric, obstetric and psychiatric nursing. The Nursing Program Director is responsible for reviewing each student's transcript from the technical nursing program to ensure the course work met clinical requirements for licensure as determined by state boards of nursing.

Since the inception of the program, Nursing Program faculty agreed to accept these credits recognizing that each student had verified knowledge of core content by passing the national nursing licensure examination and by continuing work experience as a registered nurse in New Mexico or other states. Once a student is admitted to the BSN Completion Program and successfully completes Foundations of Professional Nursing (NURS 315), ENMU accepts the student's technical nursing courses **as if** they had been earned at the senior college level and counts these courses toward the BSN degree.

Additional Provisions

- A. The BSN Completion Program requires a minimum of twothirds of the upper-division hours (24 credit hours) for the BSN be earned at ENMU.
- B. Students must earn a grade of "C" or better in all nursing courses to matriculate in the program. Students are allowed to repeat required nursing courses once in order to successfully achieve the grade of "C" or better in an individual course.
- C. Prior to enrolling in clinical or laboratory courses (NURS 360, 415, 425 and select NURS 493 courses), students must show evidence of:
 - immunity to rubella and Hepatitis B;
 - freedom from active tuberculosis;
 - current CPR certification and
 - professional liability insurance.

Nursing Major Requirements (35 hours)

Students must take Nursing 300-level courses prior to Nursing 400level courses consistent with progressive development of core content. Note special information pertaining to the following courses:

NURS 305 BSN Basics must be taken the student's first semester.

NURS 318 Women's Health Care may be taken at any time during the student's matriculation.

NURS 319 Nursing Management of Pain may be taken at any time during the student's matriculation.

Descriptions of Nursing courses begin on Page 140. For the theory component of Nursing courses, the ratio of clock to credit hours is 15:1. For practicum components of Nursing courses, the ratio is 30:1; for the lab components of Nursing courses it is 15:1.

Degree: Bachelor of Science in Nursing (BSN)

Major:	Nurs	sing
General	Education	Course Requirements
BIOL		Microbiology (4)
CHEM	151/L	General Chemistry I (4)
PHIL	211	Ethics (3)
PSY	101	Introductory Psychology (3)
STAT	213	Statistical Methods I (4)
General E	Education co	ourses may be taken concurrently with

General Education courses may be taken concurrently with the Nursing major as approved by the student's Nursing advisor. **Upper-division – Diversity/Global**

NURS 312 Global Health Care (3)

Students have the option of taking NURS 312 to meet the General Education Requirement for Diversity/Global.

Required courses in related areas (14 hours)

BIOL209/LAnatomy and Physiology I (4)BIOL210/LAnatomy and Physiology II (4)Lower-division course in Human Growth and Development (3)Lower-division course in Human Nutrition (3)Related area: upper-division elective (1-3)

Nursing Course Requirements (35 hours) Junior level

NURS	305	BSN Basics (1)
NURS	315	Foundations of Professional Nursing (4)
NURS	316	Nursing Ethics (3)
NURS	317	Economics and Nursing (3)
NURS	320	Pathophysiology of Nursing (3)
NURS	360	Health Assessment (4)

All Junior level courses must be completed before enrolling in Senior level courses.

Senior level

NURS	412	Nursing Theories and Research (4)
NURS	415	Community Health Nursing (7)
NURS	425	Nursing Leadership (6)

Recommended Electives

May be taken to complete ENMU's requirement for 40 upperdivision hours.

NURS	318	Women's Health Care (3)
NURS	319	Nursing Management of Pain (3)

Credit Hour Summary

General Education Requirements:	46 - 50	hours
Technical Nursing Program Courses:	30	hours
Nursing Major:	35	hours
Required Related Courses:	14	hours
Electives:	0–3	hours
Total Hours: 12	28-129	hours

Department of History and **Humanities**

Associate Professors Assistant Professor:

Donald C. Elder, III Steven Gamble Linda Gies Suzanne Balch-Lindsay Gerald Gies Alex Garman

History

The courses in history aim primarily to help the student to better understand and cope with problems of the modern world, to foster an enjoyment of history and to make the student's interest in the past a discriminating one. Course work involves training in the use of historical sources as a means for developing a critical faculty, a spirit of inquiry and open-mindedness. In addition to history's cultural significance, a historical approach to problem solving for modern-day events is of value to those intending to take up such professions as teaching, law, journalism, politics, the ministry or the civil or diplomatic services. The student majoring in History is required to take at least one (1) upper-division course in each of three areas: United States, European and non-Western History. A second option is available in History for students who want to major in History and teach at the secondary level. The licensure is Secondary Social Studies. All majors must complete ENG 104 or its equivalent before beginning any upper-division work in History. Descriptions of HIST courses begin on Page 134.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Humanities

The humanities consist of branches of learning concerned with social and moral thought. Humanities courses include history, literature, the arts, religion and philosophy. The humanities are a record of our lives, where we have been, where we are and the probability of where we are going. The humanities, then, are the study of that which is most human; they help define one's relationship to self and society. Descriptions of HUM courses begin on Page 135.

Philosophy

Philosophy is a method. It is learning how to ask and re-ask questions until meaningful answers begin to appear. It is learning how to relate to materials and to evaluate them. Thus, philosophy develops new insight into human thought. Descriptions of PHIL courses begin on Page 141.

Degree:		chelor of Arts (BA) or chelor of Science (BS)	
Major:		tory	
The foll	lowing co	ourses must be taken within General	
Educatio	n		
HUM	221	Introduction to World Humanities (3)	
PSCI	102	American National Government (3)	
Related	area requ	iirements:	
ECON	221	Principles of Macro Economics (3)	
GEOG	233	People and Cultures of the World (3)	
History	Course R	equirements (31 hours)	
HIST	101	Survey of American History to 1877 (3)	
HIST	102	Survey of American History	
		since 1877 (3)	
HIST	121	Survey of Western Civilization (3)	
HIST	122	Survey of Western Civilization (3)	
HIST	490	Senior Portfolio in History (1)	
18 hours	of HIST e	electives (at least 9 of which must be at the	
400 level) that must include one course each in U.S. (HIST			
372, 430, 432, 433, 447, 448); European (HIST 321, 322, 324,			
419, 425	, 426, 428	3) and non-Western (HIST 375, 377, 379,	
381, 407) history.		

Minor:	Hi	story
History	Course	Requirements (21 hours)
HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History
		since 1877 (3)
HIST	121	Survey of Western Civilization (3)
HIST	122	Survey of Western Civilization (3)
9 hours division		electives (at least 6 of which must be upper

Degree:		chelor of Arts (BA) or chelor of Science (BS)	
Major:		story	
, Licensure:		condary Social Studies	
The foll		ourses must be taken within Teaching	
Degree (General 1	Education:	
HIST	101	Survey of American History to 1877 (3)	
HIST	102	Survey of American History	
		since 1877 (3)	
HIST	121	Survey of Western Civilization (3)	
HIST	203	New Mexico (3)	
PSCI	102	American National Government (3)	
HUM	221	Introduction to World Humanities (3)	
Professi	onal Ed	ucation Requirements (30 hours), see	
Page 47.			
Plus three	e hours to	include:	
HIST	409	Teaching Social Studies (3)	
Addition	al Social	Studies Electives Required (9 hours)	
ECON	221	Principles of Macro Economics (3)	
GEOG	233	People and Cultures of the World (3)	
HIST	122	Survey of Western Civilization (3)	
Student must take 21 hours of upper-division HIST electives,			
including	including one course each in U.S. (HIST 372, 430, 432, 433,		
447, 448); European (HIST 321, 322, 324, 419, 425, 426, 428)			

and non-Western (HIST 375, 377, 379, 381, 407) history.

Subject Matter Endorsement Area/Minor: Social Studies

Licensure:	Eler	mentary Only
Only six hour	s of cour	se work taken in the General Education
sequence will o	count for	the emphasis area in Social Studies.
Social St	udies Co	urse Requirements (24 hours)
One cour	se not ta	ken from the following list in General
Education	n must be	e applied to the endorsement: HIST 101,
		21, HIST 122, HIST 203.
Social St	udies Re	quirement
HIST	409	Teaching Social Studies (3)
		e following recommended courses (three
different	disciplin	es should be represented)
PSCI	101	Introduction to Political Science (3)
PSCI	102	American National Government (3)
PSCI	200	Political Science Research Methods (3)
PSCI	306	Contemporary Political Ideologies (3)
SOC	101	Introductory Sociology (3)
SOC	215	Marriage and the Family (3)
SOC	302	Racial and Ethnic Relations (3)
SOC	305	Sex Roles in Society (3)
SOC	315	Social Inequality (3)
SOC	320	Social and Cultural Change (3)
SOC	324	Social Psychology (3)
SOC	402	Development of Social Thought (3)
SOC	415	Sociology of the Family (3)
SOC	435	Sociology of Education (3)
ANTH/		
GEOG	103*	Humans and Their Environment (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands
		and Diverse Cultures (3)
ANTH/		
GEOG	233*	People and Cultures of the World (3)
ANTH	340	Indians of North America (3)
ANTH	401	Indians of the Plains (3)
ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)
*GEOG 1	03 and G	EOG 233 are highly recommended.

Subject Matter Endorsement Area/Minor: Social Studies

Licensure: Special Education Only

Courses taken in the General Education sequence will not count for the endorsement area.

Courses that must be chosen within the General Education		
Requiren	nents:	
HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History
		since 1877 (3)
HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	203	New Mexico (3)
Social St	udies (Course Requirements (24 hours)
HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	409	Teaching Social Studies (3)
PSCI	101	Introduction to Political Science (3)
SOC	101	Introductory Sociology (3)
SOC	215	Marriage and the Family (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands and
		Diverse Cultures (3)
ECON	221	Principles of Macro Economics (3)

Interdisciplinary Programs



Three options are available within the College of Liberal Arts and Sciences for the student who wishes to pursue an unspecified program of study. Such a student may pursue an Associate of Arts degree in general studies, a Bachelor of University Studies degree or select many courses from the entire university, suiting studies to the student's own interests and needs without regard to required courses for majors. Students with technical or vocational associate degrees may also pursue the Bachelor of Applied Arts and Sciences.

Degree:Associate of Arts (AA)Major:General Studies

General Requirements, Page 32

General Education Courses (35-36 hours) (see Page 36) Electives (28-29 hours)

It is recommended that at least 15 hours be in one area of concentration within the Liberal Arts and Sciences. **The final 15 hours in residence**

Bachelor of Applied Arts and Sciences (BAAS)

The Bachelor of Applied Arts and Sciences is available for students who possess an Associate of Applied Science (A.A.S), Associate of Science (A.S.) or Associate of Arts (A.A.) (or equivalent) with a technical or vocational major earned at an institution accredited by a Council of Higher Education Accreditation–recognized agency. The purpose of the degree is to provide graduates with the opportunity to complete a course of study leading to a well-rounded education and a bachelor's degree that will enhance students' career advancement in their chosen fields. The degree is designed to be completed within two years of full-time enrollment at ENMU.

The associate's degree is incorporated as a major component into the bachelor's program for this degree. After completing a total of 128 hours with a minimum of 33 of these hours at ENMU, including 18 hours of upper-division work, the student is awarded the B.A.A.S. degree. Should the student decide to change degrees, any vocational courses taken as part of the associate degree would no longer count toward the baccalaureate degree.

Degree:

Major:

Bachelor of Applied Arts and Sciences (BAAS)

Applied Arts and Sciences

General Education Requirements (46-50 hours), see Page 36

These courses may be taken as part of the associate degree. **Primary Concentration Area (35–58 hours)**

Vocational or technical major work transferred from an approved and/or certified program. The acceptance and transfer of course work will be based on an analysis of each student's transcript. Should the student decide to change degrees, any vocational courses taken as part of the associate's degree would no longer count.

Secondary Concentration Area(s) (24-30 hours)

Minimum of 24 hour block in additional field of study **OR** 30 hours minimum in two different blocks of 15 hours each. Must include 15 hours of upper-division. Each course must be completed with a grade of "C" or better.

Note: Upper-division courses may have prerequisites that must be taken first.

Bachelor of University Studies

The Bachelor of University Studies degree is a flexible degree program available to full- or part-time students. The program is especially designed for those students who have gained significant learning through their work/life experience. At the time of entrance into the program each student must complete a degree plan with the University Studies advisor in the College of Liberal Arts and Sciences. The Dean shall have final approval authority for each proposed University Studies degree plan. This degree plan will indicate the structure of the student's proposed plan of study and ensure that all degree and university requirements are met.

Degree: Bachelor of University Studies (BUS) Major: University Studies

Emphasis of two fifteen-hour blocks in two fields of study (30 hours)

Each course must be completed with a grade of "C" or better. Forty-five hours must be completed after approval of the degree plan.

Allied Health Sciences Programs

Medical Technology

A degree of bachelor of science in medical technology entails two and one-half to three years of pre-clinical study on the main campus of ENMU followed by twelve to eighteen months of study in an approved school of medical technology or hospital. ENMU is affiliated with the following schools: School of Medical Technology, the University of New Mexico School of Medicine, Albuquerque, New Mexico; and Northwest Texas School of Medical Technology, Amarillo, Texas.

Students are accepted by these schools on a competitive basis. Students may apply to any other approved school of medical technology provided the application has prior approval of the Allied Health Sciences Advisory Committee.

Students entering or contemplating entering these programs should see the Allied Health Sciences Advisory Committee chairperson in Roosevelt Hall, Room 111 for advice. This should occur prior to first enrollment, if possible.

Degree: Bachelor of Science (BS) Major: **Medical Technology Biology Course Requirements (19 hours)** General Biology I (4) BIOL 151/L BIOL 152/L General Biology II (4) 214/L BIOL Microbiology (4) BIOL 231 Genetics (3) 421/L BIOL Principles of Immunology (4) **Chemistry Course Requirements (16 hours)** CHEM 151/L General Chemistry I (4) CHEM 152/L General Chemistry II (4) 233/L CHEM Quantitative Analysis (4) 4 hours from the following (depending on the requirement of the medical technology school): CHEM 251/L Integrated Organic and Biochemistry (4) CHEM 341/L Organic Chemistry I (4) CHEM 342/L Organic Chemistry II (4) Mathematics Course Requirements (3 hours) MATH 119 College Algebra (3) **Recommended Electives (0–18 hours)** BIOL 422/L Medical Microbiology (4) CHEM 452 Biochemistry (3) General Physics (4) AND PHYS 151/L PHYS 152/L General Physics (4) BIOL 209/L Anatomy and Physiology I (4) BIOL 210/L Anatomy and Physiology II (4) 341/L BIOL Parasitology (4) 424/L Advanced Human Physiology (4) BIOL Clinical study in medical technology (32 or 52 hours):

Student must submit a formal application for admission to approved school of medical technology, be admitted, and complete clinical study.

a. Students completing the clinical portion of the program at other schools or hospitals must complete a minimum of 76–96 semester hours before their clinical study.

b. While completing their clinical study at a program affiliated with ENMU, students should enroll in BIOL 480, Medical Technology Practicum.

Upon completion of study in the schools of medical technology or hospitals, the director of the school will certify student credits to the ENMU registrar thus enabling the student to enter candidacy for the degree of bachelor of science in medical technology at Eastern. Certification examination information will be given during the clinical training.

Pre-Physician Assistant

Admission requirements for physician assistant programs vary from school to school. Interested students should make early contact with the schools of their choice for specific admission requirements. Commonly, students must have 60 semester hours which include the following:

General Biology (4 hours) General Chemistry (8 hours) Human Anatomy and Physiology (8 hours) General Psychology (3 hours) College Algebra (3 hours) English Composition (3 hours) Expository or Technical Writing (3 hours) A cross-cultural course (3 hours) Anthropology or Sociology (3 hours) Humanities (Literature, History or Philosophy) (6 hours) Two multicultural courses (6 hours)

Contact the prospective program and the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Medicine

Pre-medical students often take an undergraduate major in either chemistry or biology with a strong minor in the other field. Students with other majors may be admitted to medical schools if they evidence superior ability and achievement in the natural sciences.

Pre-medical requirements for admission to medical school, including osteopathic medicine, vary. A summary of minimum requirements of medical schools is given in the publication "Medical School Admissions Requirements, U.S.A. and Canada," published by the Association of American Medical Colleges. The information is available in the Office of the Allied Health Sciences Committee, Roosevelt Hall, Room 111.

In general, entrance requirements to medical schools include the following:

- 1. Evidence of academic ability and achievement.
- 2. Evidence of character, attitude and interests suitable for a career in medicine.
- 3. Completion of the Medical College Admission Test (MCAT) of the Association of American Medical Colleges.
- 4. Completion of at least 90 semester hours of college courses in an accredited college or university (a bachelor's degree is recommended) which usually includes the following:

General chemistry (including laboratory, one year)

Organic chemistry (including laboratory, one year)

General biology or zoology (including laboratory, one year)

General physics (including laboratory, one year)

College mathematics, one year (calculus is recommended)

A course in biochemistry is strongly recommended, but not required. Other science courses that the student may find helpful in preparing for medical school include genetics, cell physiology, anatomy and physiology and computer science.

Prospective medical students should become acquainted as early as possible with entrance requirements of particular medical schools of interest. A course of study may then be built around requirements of the schools. The Medical College Admissions Test is offered each fall and spring at pre-medical college centers. It is recommended that this test be taken in the spring of the junior year.

Details of the admission test and other information pertaining to the pre-medical program may be obtained from the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Dentistry

The Council on Dental Education of the American Dental Association fixes as a minimum basis for admission to an approved dental school the successful completion of two full years of academic work in an accredited college of liberal arts and sciences including the following minimum credit hours:

English (6 hours) Biological sciences (8–12 hours) General chemistry (8 hours) Organic chemistry (4 hours) Physics (8 hours)

Pre-dental students are advised to take an undergraduate major in either biology or chemistry with a strong minor in the other field if they desire to earn a bachelor of science degree prior to admission to dental school. Most dental schools require a minimum of three years for admission unless the applicant is exceptionally well qualified.

All applicants for admission to a school of dentistry are required to take the Dental Aptitude Test, which is given three times a year through the Council on Dental Education of the American Dental Association. It is advised that the candidate complete the Dental Aptitude Test at the earliest possible date within the year preceding that which he/she wishes to begin dental studies.

For information relating to any phase of this program, consult the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Pharmacy

Most colleges of pharmacy require one year of college academic credit as a minimum for entrance. Normally a student transfers to a college of pharmacy at the completion of the freshman year. However, many colleges of pharmacy have a five-year program; students entering such programs could profitably spend two years on a pre-pharmacy curriculum. In order to obtain a bachelor of science degree in pharmacy in minimum time, the first year (or two-year) program must correlate closely with the program recommended by the colleges of pharmacy. The pre-pharmacy program consists of two years (65 semester hours):

English (6 hours) General biology (4 hours) Microbiology (4 hours) General chemistry (8 hours) Organic Chemistry (8 hours) Human Anatomy and Physiology (8 hours) (Cadaver Lab required) Calculus I and II (8 hours) Statistics (3 hours) Microeconomics (3 hours) Computer Literacy (3 hours) Electives — History, Psychology, etc. (6 hours)

Other pharmacy schools may have different pre-professional requirements. For further information contact the prospective school and the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Physical Therapy

Admission requirements for physical therapy programs vary from school to school. Interested students should make early contact with the schools of their choice for specific admission requirements. In general, two years of pre-physical therapy studies are required and should include the following:

Language and Communication (6 hours)

General biology (8 hours including laboratory)

General chemistry (8 hours including laboratory)

Organic chemistry (4 hours including laboratory)

General physics (8 hours including laboratory)

Psychology (9 hours)

Further information may be obtained from the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Veterinary Medicine

Students pursuing a curriculum leading to a degree in veterinary medicine should follow a curriculum similar to that for pre-medicine. Courses in animal science, comparative vertebrate anatomy, animal physiology and biochemistry are of particular importance. On-hand or practical experience in a veterinary clinic is often desirable. New Mexico has established contractual agreements with certain schools of veterinary medicine which permit competitive placement of a number of New Mexico residents each year.

For further information, consult the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Other Health Science Programs

The Allied Health Sciences Advisory Committee will arrange a suitable course of study for any student wishing to pursue pre-professional, pre-clinical training in other Health Science programs such as optometry and chiropractic.

Greater Southwestern Studies

Southwestern United States and Mexico share a common historical and cultural heritage as well as numerous environmental characteristics. Drawing upon the university's geographic location in the center of the southwestern region and upon the regional expertise of the faculty, a minor of Greater Southwestern Studies will focus upon cultural, historical and environmental similarities and promote an awareness and knowledge of important interrelationships between Mexico and southwestern United States.

Students considering a minor in Greater Southwestern studies should consult with the advisor appointed by the college dean. Exceptions to the degree requirements for a minor must be approved by the advisor and the college dean. Students needing further information concerning the Greater Southwestern Studies program can inquire in the office of the Dean of the College of Liberal Arts and Sciences, Jack Williamson Liberal Arts building, Room 114.

Minor: Greater Southwestern Studies

Twenty-one (21) hours are required for the Greater Southwestern Studies minor selected from the following courses with at least one course from each of the areas of anthropology, history and humanities.

ANTH	123	New Mexico: Enchanted Lands
		and Diverse Cultures (3)
ANTH	432	Indians of the Southwest (3)
ANTH	461	Prehistory of the Southwest (3)
ANTH	462	Prehistory of Mexico and
		Middle America (3)
ENG	413	Literature of the Southwest (3)
GEOL	482	Geology of New Mexico (2)
HIST	203	New Mexico (3)
HUM	171	The Chicano in American Humanities (3)
HUM	272	The Chicano in American Humanities in
		the Twentieth Century (3)

Some disciplines offer topics courses, seminar courses and field studies courses often numbered 293 and 493, which have varying content from semester to semester. These courses may be used for degree credit for the minor when their topics have been approved by the Greater Southwestern Studies advisor.

Women's Studies

The Women's Studies minor and certificate are offered to those who wish to increase their knowledge, interest and appreciation of the needs, contributions, problems and aspirations of women. The minor and certificate are based on an interdisciplinary approach with courses offered in anthropology, communication, English, history, humanities, political science, psychology and sociology as well as other areas. There is no structured, predefined program of study for the minor or certificate. The reasons for seeking the minor or certificate are varied and highly individualistic; therefore, the program is tailored to individual needs and interests and is flexible in its application to current course offerings.

The Women's Studies Program is recommended for those students who wish to combine a traditional major with a multi-disciplinary background in women's studies. It is a multicultural program that sustains and integrates diverse perspectives by providing a forum for expanding the understanding and critical application of feminist scholarship. As a program requirement, students are required to make a public presentation on material developed during their certificate or minor course work.

Women's Studies is directed by an interdisciplinary committee of faculty teaching in the area and/or with special expertise or interest in the area. The committee is appointed by and reports to the dean of the College of Liberal Arts and Sciences. Students needing information concerning the Women's Studies Program can inquire in Jack Williamson Liberal Arts Building, Room 114.

Certificate: Women's Studies

- 1. Fifteen (15) hours are required for the Women's Studies Certificate, including HUM 105 Introduction to Women's Studies and 12 hours of electives, as defined under the Women's Studies minor.
- 2. Students planning to earn the Women's Studies Certificate must apply in the office of the dean of the College of Liberal Arts and Sciences.

Minor: Women's Studies

- 1. Eighteen (18) hours are required for the Women's Studies minor, including HUM 105 Introduction to Women's Studies and 15 hours of electives selected from course offerings approved by the committee and published each semester.
- 2. It is recommended that the 15 elective hours are drawn from several different disciplines to reflect the interdisciplinary nature of the program.
- Students planning to earn the Women's Studies minor must apply in the office of the dean of the College of Liberal Arts and Sciences.



Professors:	Mary Fanelli Ayala
Associate Professors:	Antony Oldknow Nina Bjornsson
	Patrice Caldwell J. Vitelio Contreras
	Michael Donaghe Ollie O. Oviedo
Assistant Professors:	Jerald Spotswood Linda Sumption Patricia Thatcher

English

The English program at ENMU is carefully planned to assist all students to achieve mastery of written composition and comprehension and to provide those students who plan to teach English or to pursue higher degrees in English with courses that will prepare them for their careers. The program also provides students with the opportunity to satisfy their intellectual curiosity, whether or not their major studies are in English, through exposure to the ideas of a variety of writers.

Most freshman students will enroll in ENG 102/104 as part of the General Education requirements. Students with special ability in English may enroll in the honors courses, ENG 108/109.

Prospective English majors are reminded that the BA degree requires proficiency in a second language other than English. All students enrolling in 200-level or upper-division English courses should have completed English 102 and 104. Writing assignments in these courses will assume knowledge of the skills taught in 100level courses. Descriptions of ENG courses begin on Page 124.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Degree:Bachelor of Arts (BA)Major:English

English	Course	Requirements (18 hours)
ENG	211	Introduction to Literature (3)
ENG	221	British Literature Survey I (3)
ENG	222	British Literature Survey II (3)
ENG	251	American Literature Survey I (3)
ENG	252	U.S. Literature Survey II (3)
ENG	330	Literary Theory (3)
English	Upper-d	livision Requirements (9 hours)
3.7. 1		

Nine hours must be divided as follows: British Literature before 1600 (3) American Literature before 1825 (3) English Language Studies (3)

English Upper-division Electives: (9 hours)

Only 3 of these hours may be in a writing course.

Minor: English

			0
Eng	glish	Course	Requirements (21 hours)
EN	G	211	Introduction to Literature (3)
EN	G	221	British Literature Survey I (3)
EN	G	222	British Literature Survey II (3)
EN	G	251	American Literature Survey I (3)
EN	G	252	U.S. Literature Survey II (3)
6 ho	ours	of ENG of	electives: 3 hours at the 300 level, 3 hours at
the	4001	evel	

Degree:	Bachelor of Arts (BA) or Bachelor of Science (BS)			
Major:		glish		
Licensure:	Se	condary		
English	Course	Requirements (36 hours)		
ENG	211	Introduction to Literature (3)		
ENG	221	British Literature Survey I (3)		
ENG	222	British Literature Survey II (3)		
ENG	235	Advanced Composition (3)		
ENG	251	American Literature Survey I (3)		
ENG	252	U.S. Literature Survey II (3)		
ENG	330	Literary Theory (3)		
ENG	441	Shakespeare (3)		
ENG	445	English Language Studies (3)		
ENG	496	Methods of Teaching Secondary		
		English (3)		
6 hours u	ipper-divi	ision ENG electives: 3 hours at the 300 leve		

6 hours upper-division ENG electives: 3 hours at the 300 level, 3 hours at the 400 level

Subject Matter Endorsement Area/Minor: English

Licensure:	Se	condary Only
English	Course 1	Requirements (24 hours)
ENG	211	Introduction to Literature (3)
ENG	235	Advanced Composition (3)
ENG	445	English Language Studies (3)
ENG	496	Methods of Teaching Secondary
		English (3)
Choose t	wo of the	following:
ENG	221	British Literature Survey I (3)
ENG	222	British Literature Survey II (3)
ENG	251	American Literature Survey I (3)
ENG	252	U.S. Literature Survey II (3)
6 hours of	of upper-c	livision ENG electives

Professional/Technical Writing

The Professional/Technical Writing minor helps students learn how to communicate professional/technical material to various specialized and general audiences. The minor assists students in all colleges to refine their capacity for making critical judgments, to expand their language skills and to employ up-to-date professional/technical forms and conventions. Emphasis is placed on careful reading and analysis, on effective visual and verbal presentation of material and on advanced practical composition.

Minor:	Pro	fessional/Technical Writing	
Course R	lequireme	ents (21 hours)	
ENG	235	Advanced Composition (3)	
ENG	325	Professional and Technical Writing (3)	
ENG	415	Expository Writing (3)	
ENG	416	Report Writing (3)	
ART	375	Introduction to Graphic Design (4) OR	
COMM	203/L	News Writing (3)	
Electives	(6 hours)		
Select from the following or other courses approved by the			
Professio	Professional/Technical Writing advisors:		
COMM	102	Public Speaking (3)	
ENG	445	English Language Studies (3)	

Modern Languages

The Modern Languages program is planned to provide students with bilingual abilities in French or Spanish, encouraging a greater understanding of another culture and of their own language. Spanish, especially, is important to professionals working in the Southwest. Students may also prepare for a higher degree in Spanish.

Only students with no previous knowledge of the language should register for 101 courses; other students should consult the language faculty or take a placement test before registering. Native speakers of Spanish should enroll in Spanish 105/205, which are courses which will address their specific needs. (A "native speaker" is considered to be any student who has contact with the Spanish language at home or elsewhere and is able to understand very basic conversational Spanish without necessarily having any knowledge of grammar or advanced vocabulary.)

All candidates for a Bachelor of Arts degree must complete an intermediate language course (201/202, SPAN 105/205 or approved equivalent). Course descriptions for FR courses begin on Page 128. Course descriptions for SPAN courses begin on Page 146.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Degree: Major:		achelor of Arts (BA) Danish
•		Requirements (33 hours)
SPAN	201	Intermediate Spanish (3) AND
SPAN	202	Continuation of Intermediate
		Spanish (3) OR
SPAN	105	Beginning Spanish:
		Native Speaker (3) AND
SPAN	205	Intermediate Spanish: Native Speaker (3)
SPAN	311	Advanced Conversation and
		Composition (3)
SPAN	325	Peninsular Culture and Civilization (3)
SPAN	326	Latin American Culture and
		Civilization (3)
SPAN	331	Survey of Latin American
		Literature (3) AND
SPAN	332	Survey of Latin American
		Literature (3) OR
SPAN	351	Survey of Peninsular Literature (3) AND
SPAN	352	Survey of Peninsular Literature (3)
10.1	1.	

12 hours upper-division SPAN electives and passing grade on Major Proficiency Exam

Degree: Major:		chelor of Arts (BA) anish
Licensure:	Sec	condary
Spanish	Course l	Requirements (33 hours)
SPAN	201	Intermediate Spanish (3) AND
SPAN	202	Continuation of Intermediate
		Spanish (3) OR
SPAN	105	Beginning Spanish:
		Native Speaker (3) AND
SPAN	205	Intermediate Spanish: Native Speaker (3)
SPAN	311	Advanced Conversation and
		Composition (3)
SPAN	325	Peninsular Culture and Civilization (3)
SPAN	326	Latin American Culture and
		Civilization (3)

College of Liberal Arts and Sciences 87

EITHER:

SPAN	331	Survey of Latin American	
		Literature (3) AND	
SPAN	332	Survey of Latin American	
		Literature (3) OR	
SPAN	351	Survey of Peninsular Literature (3) AND	
SPAN	352	Survey of Peninsular Literature (3)	
SPAN	436	Teaching of Modern Languages (3)	
9 hours of upper-division SPAN electives and passing			
grade on Major Proficiency Exam			

Minor: Spanish

18 credit hours, including 6 upper-division credit hours and passing grade on Minor Proficiency Exam

Subject Matter Endorsement

Area/Mino	or: Spa	anish	
Licensure:	Sec	ondary Only	
Spanish	Course H	Requirements (24 hours)	
SPAN	201	Intermediate Spanish (3) AND	
SPAN	202	Continuation of Intermediate	
		Spanish (3) OR	
SPAN	105	Beginning Spanish:	
		Native Speaker (3) AND	
SPAN	205	Intermediate Spanish: Native Speaker (3)	
SPAN	311	Advanced Conversation and	
		Composition (3)	
SPAN	331	Survey of Latin American	
		Literature (3) AND	
SPAN	332	Survey of Latin American	
		Literature (3) OR	
SPAN	351	Survey of Peninsular Literature (3) AND	
SPAN	352	Survey of Peninsular Literature (3)	
SPAN			
or FR	436	Teaching of Modern Languages (3)	
6 hours u	upper-divis	sion SPAN electives and passing grade on	
Minor Pr	oficiency	Exam	

Subject Matter Endorsement

Area/Mino Licensure:	Seco	lern Languages ndary or Special Education Isure
Spanish	or French	Course Requirements (24 hours)
SPAN	201	Intermediate Spanish (3) AND
SPAN	202	Continuation of Intermediate
		Spanish (3) OR
SPAN	105	Beginning Spanish:
		Native Speaker (3) AND
SPAN	205	Intermediate Spanish: Native Speaker (3)
FR	201	Intermediate French (3)
FR	202	Continuation of Intermediate French (3)
SPAN		
or FR	311	Advanced Conversation and
		Composition (3)
SPAN		-
or FR	436	Teaching of Modern Languages (3)
3 hours u	pper-divisi	on SPAN or FR electives

Department of Mathematical Sciences

Professors:	Mohamad H. Ahmadian Regina Aragon Ira T. Elder
Associate Professors:	Kathleen C. Salter Hamid Allamehzadeh Anne M. Cable Mir Mortazayi
Assistant Professors:	Thomas R. Brown John George
Instructor:	Ina Michelle McMillan

Mathematics

This program offers up-to-date, sound curricula in pure and applied mathematics from which students may attain a high degree of intellectual maturity and professional competence. The department's attention to mathematical discoveries and developments and to new areas of investigation and application, along with periodic reviews of its core of fundamental courses, ensures that its graduates are mathematically equipped for future pursuits in graduate school or in positions of employment outside academia.

It is strongly recommended that a mathematics major consider a minor or a second major utilizing mathematics, such as statistics, economics, natural sciences or computer science. Upper-division courses with a STAT prefix may be used as mathematics electives. Descriptions of MATH courses begin on Page 136.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Statistics

Statistics courses are divided into two categories: (1) basic statistical methodology requiring no prior course work (STAT 115, 213, 500): (2) statistical methodology, probability and statistical theory requiring a computing background and/or a mathematics background and prior course work in statistics (STAT 403, 404, 431, 432).

Any upper-division course with a STAT prefix may be counted as a statistics course or as a mathematics elective. A student may take courses in statistics to satisfy requirements for a major or a minor in mathematics; however, a student may NOT apply the same course to BOTH a statistics minor and a mathematics major or minor. Descriptions of STAT courses begin on Page 147.

Note: Some math courses require prerequisites that can be fulfilled with satisfactory ACT/SAT scores. These minimum scores may be satisfied in the following ways:

> For courses with MATH 101 as a prerequisite, satisfactory scores are defined as:

1. ACT math score of 19 or higher **OR**

2. SAT math score of 470 or higher.

For courses with MATH 107 as a prerequisite, satisfactory scores are defined as

1. ACT math of 24 or higher **OR**

2. ACT math of 22 or 23 $\ensuremath{\textbf{AND}}$ an algebra/geometry subscore of 9 OR

3. SAT math of 530 or higher.

For courses with MATH 119 as a prerequisite, students with ACT math scores of 26 or higher or with SAT math scores of 600 or higher are encouraged to meet with an advisor to assure appropriate placement in math courses.

Degree:		chelor of Arts (BA) or chelor of Science (BS)
Major:	Ma	athematics
Mathem	atics Co	urse Requirements (36 hours)
MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
MATH	340	Foundations of Higher Mathematics (3)
MATH	341	Abstract Algebra I (3)
MATH	351	Ordinary Differential Equations (3)
MATH	352	Introduction to Linear Algebra (3)
MATH	371	Real Analysis (3)
9 hours	upper-div	vision MATH (excluding MATH 317, 361
and 429).	STAT o	r approved CS courses
Required	d courses	s in related areas (6 hours)
CS	123	Programming Fundamentals (3)
STAT	403	Probability and Mathematical
		Statistics I (3)

Mathematics Minor:

Mathemat	tics Cou	rse Requirements (24 hours)
MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
12 hours	upper-d	ivision MATH electives or STAT electives
(excluding	g MATH	I 317, 361 and 429)

Degree:	Bae	chelor of Arts (BA) or
	Bae	chelor of Science (BS)
Major:	Ma	thematics
Emphasis:	Sta	tistics
Mathema	atics Cou	rse Requirements (21 hours)
MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
9 hours fr	om the fo	llowing:
MATH	340	Foundations of Higher Mathematics (3)
MATH	352	Introduction to Linear Algebra (3)
MATH	409	Numerical Analysis I (3)
MATH	410	Numerical Analysis II (3)
MATH	451	Linear Algebra (3)
Statistics	Course	Requirements (18 hours)
9 hours fr	om the fo	llowing:
STAT	213	Statistical Methods I (4)
STAT	313	Statistical Methods II (3)
STAT	414	Nonparametric Methods (3)
STAT	415	Survey Sampling Methods (3)
9 hours fr	om the fo	llowing:
STAT	403	Probability and Mathematical
		Statistics I (3)
STAT	404	Probability and Mathematical
		Statistics II (3)
STAT	431	Design of Experiments (3)
STAT	432	Statistical Packages (3)
STAT	493	Topics in Statistics (1–3)
		in other areas (6 hours)
CS	123	Programming Fundamentals (3)
CS	134	Intermediate Programming (3)

Minor:	St	atistics
Statistics	s Course	Requirements (16 hours)
STAT	213	Statistical Methods I (4)
STAT	313	Statistical Methods II (3)
9 hours f	rom the fo	ollowing:
MATH	420	Combinatorial Analysis (3)
STAT	115	Introduction to Statistics and Computer
		Programming (3) OR
MATH	114	Mathematics of Decision Making (3)
STAT	403	Probability and Mathematical
		Statistics I (3)
STAT	404	Probability and Mathematical
		Statistics II (3)
STAT	414	Nonparametric Methods (3)
STAT	415	Survey Sampling Methods (3)
STAT	431	Design of Experiments (3)
STAT	432	Statistical Packages (3)
Require	d courses	s in related areas (7 hours)
CS	123	Programming Fundamentals (3)
MATH	124	Calculus I (4)
Degree:	Ba	chelor of Arts (BA) or

Major:

Bachelor of Science (BS)

Mathematics

Licensure: **Secondary**

Professional Education Requirements (33 hours), see Page 47 Must include: MATH 429 Teaching of Mathematics (3) Mathematics Course Requirements (27 hours) MATH 124 Calculus I (4) MATH 132 Calculus II (4) MATH 202 Calculus III (4) MATH 317 Introduction to Geometry (3) MATH 340 Foundations of Higher Mathematics (3) MATH 341 Abstract Algebra I (3) 6 hours upper-division MATH or STAT electives not including **MATH 429** Required courses in related areas (7 hours) Programming Fundamentals (3) CS 123 STAT 213 Statistical Methods I (4) **Degree: Bachelor of Science (BS) or**

- **Bachelor of Arts (BA)** Major: **Mathematics Composite** Licensure: Secondary
 - 1. All requirements of Math major with Secondary Licensure above AND
 - 2. Additional 18 hours MATH, STAT and/or CS, at least 6 hours of which must be upper-division with prior approval of teacher education advisor

Cult	4		
SUD	ect	matter	Endorsement

Area/Minor: **Mathematics** Licensure: Secondary Mathematics Course Requirements (24 hours) MATH 124 Calculus I (4) 132 Calculus II (4) MATH MATH 202 Calculus III (4) 317 Introduction to Geometry (3) MATH 9 hours upper-division MATH electives

Subject Matter Endorsement

Area/Minor	: M	lathematics
Licensure: E		lementary or Special Education
Mathemat	tics C	ourse Requirements (24 hours)
MATH	119	College Algebra (3)
MATH	261	Mathematical Concepts I (3)
MATH	317	Introduction to Geometry (3)
MATH	361	Mathematical Concepts II (3)
STAT	213	Statistical Methods I (4)
8 hours ele	ectives	s in MATH or STAT

Computer Science

Computer science concerns itself with the design, analysis and implementation of computer software. Students prepare for a lifetime of learning and problem solving in a rapidly changing world. Upon graduation, students are ready for a professional career in computer science or for further study in graduate school.

Computer science majors who plan to attend graduate school are strongly encouraged to pursue a second major or a minor in mathematics. Those planning to work in industry should choose a minor appropriate to their chosen field: mathematics or one of the sciences for scientific pursuits, computer information systems for business pursuits or mathematics and art for games programming.

The computer science minor provides the student with the ability to apply fundamental computer problem solving skills to another discipline.

Descriptions for CS courses begin on Page 118.

Degree: Bachelor of Science (BS) Major: **Computer Science** Courses that must be chosen within the General Education **Requirements:** CS 114 a. b. MATH 124

- c. BIOL 151/151L OR BIOL 152/152L
- CHEM 151/151L OR GEOL 151/151L OR PHYS 151/ d. 151L OR PHYS 201/201L

• Science	Course Requirements (39 hours)
123	Programming Fundamentals (3)
134	Intermediate Programming (3)
220	Mathematical Foundations of
	Computer Science I (3) OR
340	Foundations of Higher Mathematics (3)
257	Data Structures (3)
301	Programming Language Concepts (3)
320	Mathematical Foundations of Computer
	Science II (3)
340	Microprocessors and Assembly
	Programming (3)
360	Object-Oriented Development (3)
415	Software Engineering (3) OR
420	Systems Development (3)
451	Design and Analysis of Algorithms (3)
461	Operating Systems (3)
/EET Eleo	ctives — 6 hours from the following:
342	Computer Architecture (3)
404	Automata, Languages, and
	Computability (3)
409	Numerical Analysis I (3)
410	Numerical Analysis II (3)
	123 134 220 340 257 301 320 340 360 415 420 451 461 /EET Eleo 342 404

90 Eastern New Mexico University

N

	CS	457	Database Theory (3)
	CS	462	Computer Networks (3)
	CS	470	Compiler Design (3)
	MATH	420	Combinatorial Analysis (3)
	MATH	422	Graph Theory (3)
	EET	241/L	Logic Circuits (3)
	EET	472/L	Microprocessor and Microcomputer
			Interfacing (3)
	Required	courses i	n related areas (14–15 hours)
	ENG	325	Professional and Technical Writing (3)
	STAT	213	Statistical Methods I (4)
	MATH	132	Calculus II (4)
	One course	e from the	following:
	MATH	202	Calculus III (4)
	MATH	451	Linear Algebra (3)
	STAT	403	Probability and Mathematical
			Statistics I (3)
Miı	nor:	Con	nputer Science
			Requirements (18 hours)
	CS	123	Programming Fundamentals (3)
	CS	134	Intermediate Programming (3)
	CS	220	Mathematical Foundations of Computer
	00		Science I (3) OR
	MATH	340	Foundations of Higher Mathematics (3)
	CS	257	Data Structures (3)
	CS/EET	340	Microprocessors and Assembly
			Programming (3)
	CS	360	Object-Oriented Development (3)
	Required	courses i	n related areas (8 hours)
	MATH	124	Calculus I (4)
	MATH	132	Calculus II (4)
	MAIN	152	Calculus II (4)

Electronics Engineering Technology

The Bachelor of Science degree with an emphasis in Electronics Engineering Technology provides knowledge and experience with electronics technology and applications in computer systems design, research and development, manufacturing and testing. The program produces electronics technologists, highly trained engineering technology professionals who work as team members with engineers and scientists. Our graduates combine scientific and engineering knowledge with technical skills to make professional judgments. There are many attractive opportunities in the well-salaried high tech electronics field for both men and women.

Descriptions of Electronics Engineering Technology courses begin on Page 123.

Degree: Major:	Elec	helor of Science (BS) ctronic Engineering Technology nposite (EET)
Courses t		be chosen within the General Education
Requiren	nents:	
MATH	124	Calculus I (4)
PHYS	151/L	General Physics I (4)
Electroni	cs Engin	eering Technology Course
Requiren	ients (60	hours)
EET/		
ENGR	101	Introduction to Engineering (3)
EET	110/L	Basic Circuit Analysis (3)
EET/		
ENGR	111/L	Engineering Graphics (3)
EET	210/L	Intermediate Circuit Analysis (3)
EET	237/L	Semiconductor Devices (3)
EET	241/L	Logic Circuits (3)
EET	242/L	Sequential Circuits and Applications (3)
EET	280/L	Electric Machines and Sensors (3)
EET	310/L	Linear Systems Analysis (3)
EET	337/L	Operational Amplifiers (3)
EET/CS	340	Microprocessors and Assembly
		Programming (3)
EET	357/L	Electronic Communications I (3)
EET	437/L	Electronic Circuit Design/Analysis (3)
EET	441/L	Circuit Design with PLDs (3)
EET	450/L	Control Systems (3)
EET	457/L	Electronic Communications II (3)
EET	472/L	Microprocessor and Microcomputer
		Interfacing (3)
EET	490	Special Project (3)
CS	123	Programming Fundamentals (3)
CS	342	Computer Architecture (3)

Bachelor of Applied Science Degree: (BAS)

Major: **Electronics Engineering Technology Composite (EET)**

Note: The maximum number of hours that may be transferred into the Bachelor of Applied Science degree in Electronics Engineering Technology is 64. The acceptance and transfer of course work will be based on an analysis of each student's transcript by an EET faculty member.

Courses that must be chosen within the General Education
Requirements:

MATH 124 Calculus I (4)

PHYS 151/L General Physics I (4)

Technical Emphasis Requirements (21-30 hours)

Students may transfer a minimum of 21 and a maximum of 30 credit hours in their individual technical specialization from a previous program of study. The acceptance and transfer of course work will be based upon an analysis of each student's transcript by an EET faculty member. If fewer than 30 credit hours are transferred into the applied science program, the remaining course work necessary to meet the technical emphasis area requirements will be determined by an EET faculty member.

Electronics Engineering Technology Course Requirements (36 hours)

	(00)	
EET	310/L	Linear Systems Analysis (3)
EET	337/L	Operational Amplifiers (3)
EET/CS	340	Microprocessors and Assembly
		Programming (3)
EET	357/L	Electronic Communications I (3)
EET	437/L	Electronic Circuit Design/Analysis (3)
EET	441/L	Circuit Design with PLDs (3)
EET	450/L	Control Systems (3)
EET	457/L	Electronic Communications II (3)
EET	472/L	Microprocessor and Microcomputer
		Interfacing (3)
EET	490	Special Project (3)
CS	123	Programming Fundamentals (3)
CS	342	Computer Architecture (3)

Minor:

Electronic Engineering Technology Electronics Engineering Technology Course

Requirements (18 hours)

EET	110/L	Basic Circuit Analysis (3)
EET	237/L	Semiconductor Devices (3)
EET	241/L	Logic Circuits (3)
EET	242/L	Sequential Circuits and Applications (3)
EET	Upper-di	vision courses (6)

Suggested Program of Study in Electronics Engineering Technology

Below is a suggested sequence of courses for the major listed. This is not an official degree plan. For specific information, see advisor.

Freshma	n Year		Fall	Spring
EET/				
ENGR	101	Introduction to Engineering		3
EET/				
ENGR	110/L	Basic Circuit Analysis	3	
EET/				
ENGR		Engineering Graphics	3	
EET		Intermediate Circuit Analysis		3
EET	241/L	Logic Circuits	3	
		General Education math course	3	3
		General Education	4	7
		Total credit hours	16	16
Sophome			Fall	Spring
EET	237/L	Semiconductor Devices		3
EET	242/L	I I I I I I I I I I I I I I I I I I I		3
CS	123	Programming Fundamentals	3	
PHYS	151/L	General Physics I	4	
		Electives	3	3
		General Education electives	6	7
		Total credit hours	16	16
Junior Ye	ear		Fall	Spring
Junior Ye EET	280/L		Fall 3	Spring
-	280/L	Linear Systems Analysis		Spring
EET	280/L	Linear Systems Analysis Operational Amplifiers	3	Spring
EET EET	280/L 310/L	Linear Systems Analysis	3 3	Spring
EET EET EET	280/L 310/L 337/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming	3 3 3	Spring
EET EET EET EET/CS	280/L 310/L 337/L 340	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming	3 3 3 3	Spring 3
EET EET EET EET/CS EET	280/L 310/L 337/L 340 357/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I	3 3 3 3	
EET EET EET EET/CS EET	280/L 310/L 337/L 340 357/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture	3 3 3 3	3
EET EET EET EET/CS EET	280/L 310/L 337/L 340 357/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives	3 3 3 3 3	33
EET EET EET EET/CS EET	280/L 310/L 337/L 340 357/L 342	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours	3 3 3 3 3	3 3 10
EET EET EET/CS EET CS	280/L 310/L 337/L 340 357/L 342	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours	3 3 3 3 3 1 16	3 3 10 16
EET EET EET/CS EET CS Senior Ye	280/L 310/L 337/L 340 357/L 342	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours Elec Circuit Design/Analysis Circuit Design with PLDs	3 3 3 3 3 1 16	3 3 10 16 Spring
EET EET EET/CS EET CS Senior Yo EET	280/L 310/L 337/L 340 357/L 342	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours Elec Circuit Design/Analysis Circuit Design with PLDs Control Systems	3 3 3 3 1 16 Fall	3 3 10 16 Spring
EET EET EET/CS EET CS Senior Y(EET EET	280/L 310/L 337/L 340 357/L 342	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours Elec Circuit Design/Analysis Circuit Design with PLDs Control Systems Micropr & Assem Prgrm	3 3 3 3 1 16 Fall	3 3 10 16 Spring 3
EET EET/CS EET/CS EET CS Senior Y4 EET EET EET	280/L 310/L 337/L 340 357/L 342 ear 437/L 441/L 450/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours Elec Circuit Design/Analysis Circuit Design with PLDs Control Systems Micropr & Assem Prgrm	3 3 3 3 1 16 Fall	3 3 10 16 Spring 3 3
EET EET/CS EET/CS EET CS Senior Yo EET EET EET EET	280/L 310/L 337/L 340 357/L 342 ear 437/L 441/L 450/L 457/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours Elec Circuit Design/Analysis Circuit Design with PLDs Control Systems Micropr & Assem Prgrm	3 3 3 3 1 16 Fall	3 3 10 16 Spring 3 3 3 3
EET EET EET/CS EET CS Senior Yo EET EET EET EET EET	280/L 310/L 337/L 340 357/L 342 ear 437/L 441/L 450/L 457/L 472/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours Control Design/Analysis Circuit Design with PLDs Control Systems Micropr & Assem Prgrm	3 3 3 3 1 16 Fall	3 3 10 16 Spring 3 3 3 3 3 3
EET EET EET/CS EET CS Senior Yo EET EET EET EET EET	280/L 310/L 337/L 340 357/L 342 ear 437/L 441/L 450/L 457/L 472/L	Linear Systems Analysis Operational Amplifiers Micropr & Assm Programming Electronic Communications I Computer Architecture Electives General Education Total credit hours Control Systems Micropr & Assem Prgrm Micropr & Microcomp Intrf Special Project	3 3 3 3 1 16 Fall 3	3 3 10 16 Spring 3 3 3 3 3 3





Professor: Associate Professors:	Robert W. Pierce William Andersen
	James Constantopoulos Newton Hilliard, Jr
Assistant Professors:	James Finley Robert D. Long Juchao Yan

The Department of Physical Sciences offers the following degrees and majors: B.S. Chemistry — ACS Certified, B.S. Chemistry, B.S. Chemistry Biochemistry emphasis, B.S. Geology, B.A. Geology, B.S. Physics; minors in Chemistry, Chemical Physics, Environmental Geology, Geochemistry, Geology, Geophysics, Physics and Teaching of Natural Science. Courses offered in the Department are under the following subject codes: CHEM, GEOL, PHYS and PHSC.

Chemistry

The Chemistry program is approved by the American Chemical Society (ACS). It offers a Biochemistry Major and a Chemistry Major with two degree plans: Plan I is the ACS certified degree which prepares a student to pursue graduate studies in chemistry and related fields or to enter industry. Plan II, not certified by the ACS, allows a student more flexibility to select electives. For example, a pre-med student may choose either Plan I or Plan II and should seek advice from a pre-med advisor. A student may choose Plan II for a Chemistry/Biology double major. A student who wants to work in the business side of the chemical and allied industries may want to take Plan II with a number of business electives. A student who plans to be a secondary chemistry teacher may take Plan II with the General Education Requirements for teachers on Page 45 and the Science Licensure requirements on Page 47. A student may obtain honors credit for General Chemistry I and II (CHEM 151-152) by enrolling concurrently in the optional honors seminar classes (CHEM 151H and 152H). Descriptions for CHEM courses begin on Page 113.

In addition to the degree programs listed here, qualified undergraduates may apply to the Graduate school beginning with the last semester of the Junior year to take graduate courses for credit at the 500 level (to be counted toward an M.S. in chemistry). For further details, see the *Graduate Catalog*.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Chemistry Core Requirements (25 hours)

CHEM	151/L	General Chemistry I (4)
CHEM	152/L	General Chemistry II (4)
CHEM	233/L	Quantitative Analysis (4)
CHEM	321/L	Inorganic Chemistry (4)
CHEM	341/L	Organic Chemistry I (4)
CHEM	342/L	Organic Chemistry II (4)
CHEM	492	Undergraduate Seminar (1)

Deg	ree:	Bachelor of Science (BS)	
Major:		Bioc	hemistry
•		Core R	equirements, plus
0	CHEM	401/L	Biochemical Methods (2)
C	CHEM/		
P	PHYS	411/L	Physical Chemistry/
			Thermodynamics (4)
C	CHEM	450	Instrumental Analysis (4)
C	CHEM	452	Biochemistry (3)
C	CHEM	453	Advanced Biochemistry (3)
C	CHEM	470	Investigative Problems (1–4)
			(must take at least 3 hours)
C	CHEM	493	Special Topics (1-3)
C	CHEM	495	Senior Chemistry Review (1)
Required		courses in	n related areas (30 hours)
E	BIOL	151/L	General Biology I (4)
E	BIOL	152/L	General Biology II (4)
Ν	ATH	124	Calculus I (4)
Ν	ATH	132	Calculus II (4)
P	PHYS	151/L	General Physics (4) AND
P	PHYS	152/L	General Physics (4) OR
P	PHYS	201/L	Physics I (5) AND
-	PHYS	202/L	Physics II (5)
6	hours fr	om the fo	ollowing courses:
E	BIOL	214/L	Microbiology (4)
E	BIOL	222	Cell Biology (3)
E	BIOL	231	Genetics (3)

Degree:	Bacl	nelor of Science (BS)
Major:	Che	mistry (ACS Certified) — Plan I
Chemistr	y Core R	equirements, plus
CHEM/		
PHYS	411/L	Physical Chemistry/
		Thermodynamics (4)
CHEM	412/L	Physical Chemistry/
		Quantum Mechanics (4)
CHEM	450	Instrumental Analysis (4)
CHEM	452	Biochemistry (3)
CHEM	470	Investigative Problems (1-4)
		(must take at least 3 hours)
CHEM	495	Senior Chemistry Review (1)
6 hours up	per-divisi	on chemistry electives
Required	courses in	n related areas (20–22 hours)
MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
PHYS	151/151L	General Physics (4) AND
PHYS	152/152L	General Physics (4) OR
PHYS	201/201L	Physics I (5) AND
PHYS	202/202L	Physics II (5)

Degree: Bachelor of Science (BS) Major: Chemistry — Plan II **Chemistry Core Requirements, plus** CHEM 450 Instrumental Analysis (4) CHEM 495 Senior Chemistry Review (1) 3 hours upper-division electives Required courses in related areas (6-7 hours) MATH 119 College Algebra (3) MATH 124 Calculus I (4) OR A computer language course

Bachelor of Science (BS) Degree: Major: Chemistry Licensure: Secondary Science Requires minor of Teaching Natural Science Courses that must be chosen within the Teaching Degree **General Education Requirements:** Fulfill the 12-hour science requirement by taking the following: BIOL General Biology II (4) 152/L GEOL Physical Geology (4) 151/L GEOL 152/L Historical Geology (4) Fulfill the 6-hour math requirement by taking the following: College Algebra (3) MATH 119 MATH 124 Calculus I (4) OR STAT 213 Statistical Methods I (4) Professional Education Requirements (30 hours), see Page 47 **Chemistry Core Requirements, plus** CHEM 452 Biochemistry (3) In addition, select one of the following: CHEM 401/L **Biochemical Methods (2)** CHEM 411/L Physical Chemistry/ Thermodynamics (4) 412/L CHEM Physical Chemistry/ Quantum Mechanics (4) CHEM 450 Instrumental Analysis (4)

Chemistry

Chemistry	Course	Requirements (20 hours)
CHEM	151/L	General Chemistry I (4)
CHEM	152/L	General Chemistry II (4)
CHEM	341/L	Organic Chemistry I (4)
CHEM	342/L	Organic Chemistry II (4)
CHEM	233/L	Quantitative Analysis (4), OR
CHEM	321 L	Inorganic Chemistry (4), OR
CHEM	401/L	Biochemical Methods (2), OR
CHEM	411/L	Physical Chemistry/
		Thermodynamics (4), OR
CHEM	412/L	Physical Chemistry/
		Quantum Mechanics (4), OR
CHEM	450	Instrumental Analysis (4), OR
CHEM	452	Biochemistry (3)

Minor:

Minor:

Major in Geology.

Chemistry	Course	Requirements (19 hours)
CHEM	151/L	General Chemistry I (4)
CHEM	152/L	General Chemistry II (4)
CHEM	233/L	Quantitative Analysis (4)
CHEM	321/L	Inorganic Chemistry (4)
CHEM/		
GEOL	454	Geochemistry (3)

Geochemistry

Minor: (To be used for		hing of Natural Science ry Science Licensure Chemistry major)
Teaching	Requiren	nents (10 hours)
BIOL	439	Teaching in Biology (1)
CHEM	439	Teaching in Chemistry (1)
GEOL	439	Teaching in Geology (1)
PHYS	439	Teaching in Physics (1)
SED	380	Secondary School Teaching/Learning (3)
SED	410	Issues in Secondary Teaching (3)
Additiona	l Science	Courses (16 hours)
BIOL	151/L	General Biology I (4)
PHYS	151/L	General Physics (4)
PHYS	152/L	General Physics (4)

BIOL 214/L Microbiology (4)

Subject Matter Endorsement

Area/Minor: General Science

Licensure: Elementary

Up to 12-hours of science coursework taken as part of the general education requirements may apply to the endorsement. Students must take the 151/L courses. See advisor to assist with the selection of electives. Required Courses (16 hours):

Keyun eu	Courses	(10 110015).
BIOL	151/L	General Biology I (4)
CHEM	151/L	General Chemistry I (4)
GEOL	151/L	Physical Geology (4)
PHYS	151/L	General Physics (4)
Electives	(8 hours)	
BIOL	214/L	Microbiology* (4)
BIOL	216	General Botany* (3)
GEOL	410	Environmental Geology* (3)
GEOL	482	Geology of New Mexico* (2)
GEOL	484	Geology of Western National Parks (3)
PHYS	141/L	Astronomy (4)
G (1)	· 1 ·	. 1 11 1 1 1 1

Students wishing to pursue middle school licensure must take 12 of upper division courses (300/400-level). Other science courses with prior consent of advisor.

*Requires prerequisites or consent of instructor.

Bachelor of Science/Master of Science (BS/MS) Plan

Qualified students entering the ENMU chemistry program at the undergraduate level will be allowed to apply to the Graduate School during the last semester of the junior year to take a limited number of graduate courses for credit at the 500 level. These courses will be above, and in addition to the required coursework for the bachelor's degree. Admission to the BS/MS plan will be based on a review of academic performance through the junior year. Upon receipt of the bachelor's degree and admission to the graduate program, those 500 level courses will be counted toward the graduate degree program thereby allowing students to complete both the B.S., and M.S. degrees in five to five and a half years instead of the normal six to seven years.

Sample Program of Study in the Plan II Chemistry Major

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor. *Either Calculus I or a computer language (CS 113, CS 123 not acceptable).

Suggested programs of study for other programs in Chemistry can be obtained from advisors.

Freshman Year				Spring
CHEM	151/L	General Chemistry I	4	
CHEM	152/L	General Chemistry II		4
ENG	102	English Composition	3	
MATH	119	College Algebra	4	
ENG	104	English Comp and Research		3
MATH	124	Calculus I		4
		Physical Education	1	1
UNIV	101	Freshman Seminar	3	
		General Education electives	2	5
		Total credit hours	17	17
Sophomore Year				Spring

Sopholilore real				Shime
CHEM	233/L	Quantitative Analysis		4
CHEM	341/L	Organic Chemistry I	4	
CHEM	342/L	Organic Chemistry II		4
COMM	101/L	Interpersonal Communication	3	
		*Computer Science elective	3	
		Humanities/Fine Arts		3
		Electives	6	6
		Total credit hours	16	17
		i otur eredit nours	10	17
Junior Y	ear		Fall	Spring
Junior Y CHEM		Inorganic Chemistry		
			Fall	
		Inorganic Chemistry	Fall 4 6	
		Inorganic Chemistry Social Science electives	Fall 4 6	Spring
		Inorganic Chemistry Social Science electives Humanities or Fine Arts elective	Fall 4 6	Spring 6

Senior Year				Spring
CHEM	450 Instrumental Analysis		4	
CHEM	492	Undergraduate Seminar		1
CHEM	495	95 Senior Chemistry Review		
		Electives	12	15
		Total credit hours	17	16

Geology

The Geology program is recognized by the American Institute of Professional Geologists as meeting or exceeding the Institute's guidelines for undergraduate programs in geology. The Bachelor of Science degree program with a Geology major prepares a student for graduate study and a professional career in geology. Because specialization is best undertaken at the graduate level, this program stresses basic geologic principles and a strong science and math background as a firm foundation for further study and experience. Students majoring in geology are strongly recommended to select a minor from the fields of biology, chemistry, geochemistry, mathematics or physics.

The Bachelor of Arts degree program with a Geology major is designed for the student who wishes to study geology as a liberal arts program but who does not intend to become a professional geologist. Without additional mathematics and related science courses, this program will not normally allow a student to take graduate training in geology or find professional employment in geology; instead, the BA program offers a broad view of the earth and provides an academic background necessary for pursuit in fields indirectly related to geology.

The student who plans to teach secondary school science in New Mexico may satisfy Secondary Science Licensure requirements by choosing the Bachelor of Science degree, Geology major with Secondary Science Licensure. These students should check the General Education Requirements for teachers on Page 45 and Science Licensure requirements on Page 47. Descriptions for GEOL courses begin on Page 129.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Geology Core Requirements (20 hours)

		()
GEOL	151/L	Physical Geology (4)
GEOL	152/L	Historical Geology (4)
GEOL	302/L	Invertebrate Paleontology (4)
GEOL	303/L	Crystallography-Mineralogy (4)
GEOL	351/L	Petrology (4)

 Degree:
 Bachelor of Science (BS)

 Major:
 Geology

 Geology
 Core Requirements, plus

GEOL	311/L	Stratigraphy and Sedimentation (4)
GEOL	312/L	Structural Geology (4)
GEOL	454	Geochemistry (3)
GEOL	465	Senior Research Project (2)

Select one upper-division GEOL elective (3–4 hours). An off-campus geology summer field camp (similar to GEOL 424) with a minimum credit of 6 hours is also required. The field course chosen by the student **must** be approved by the Geology staff before the student enrolls. Information on field camps should be obtained during the fall semester and enrollment in the program should be attempted early in the spring preceding the summer of the field course matriculation. Students should plan financial arrangements for the field camp as early as possible prior to enrollment in the field course. Financial aid is sometimes available for the summer course through outside funding agencies but early application is essential. The geology summer camp taught by the department, if taken in the final 32 hours, will count for part of the 32-hour residency requirement. Required courses in related areas (29–31 hours)

CHEM	151/L	General Chemistry I (4)
CHEM	152/L	General Chemistry II (4)
PHYS	151/L	General Physics (4), AND
PHYS	152/L	General Physics (4) OR
PHYS	201/L	Physics I (5) AND
PHYS	202/L	Physics II (5)
MATH	120	Plane Trigonometry (3)
MATH	124	Calculus I (4)
STAT	213	Statistical Methods I (4)
STAT	313	Statistical Methods II (3) OR
MATH	132	Calculus II (4)

Degree:Bachelor of Science (BS)Major:GeologyLicensure:Secondary Science

Courses that must be chosen within the Teaching DegreeGeneral Education Requirements:Fulfill the 12-hour science requirement by taking the following:BIOL152/LGeneral Biology II (4)PHYS151/LGeneral Physics (4)PHYS152/LGeneral Physics (4)Fulfill the 6-hour math requirement by taking the following:MATH120Plane Trigonometry (3)

MATH	120	Plane Trigonometry (3)
STAT	213	Statistical Methods I (4)
Geology (Core Req	uirements, plus
GEOL	424	Geology Summer Field Camp (8)
PHYS	141/L	Astronomy (4)
In addition	select on	e of the following:
GEOL	304/L	Geomorphology (4)
GEOL	311/L	Stratigraphy and Sedimentation (4)
GEOL	312/L	Structural Geology (4)
GEOL	410	Environmental Geology (3)
GEOL	454	Geochemistry (3)

Degree: Bachelor of Arts (BA) Major: Geology

Geology Core Requirements, plus

GEOL 311/L Stratigraphy and Sedimentation (4)

GEOL 312/L Structural Geology (4)

Two upper-division courses in geology (6–8 hours)

An off-campus geology summer field camp (6 hours minimum) See above for full explanation.

Required courses in related areas (18 hours)

PHYS 113 Survey of Physics (3)

BIOL	113	Biology for General Education (3)
GEOG/		
ANTH	103	Humans and Their Environments (3)
ANTH	111	The Dawn of Humanity (3)
MATH	120	Plane Trigonometry (3)
STAT	115	Introduction to Statistics and Computer
		Programming (3)

Minor: Environmental Geology

Geology Course Requirements (14 hours)

		· · · · · · · · · · · · · · · · · · ·
GEOL	113/L	The Geological Environment (4) OR
GEOL	151/L	Physical Geology (4)
GEOL	123/L	Earth Resources (4)
GEOL	410	Environmental Geology (3)
GEOL	420	Environmental Geochemistry (3) OR
GEOL	454	Geochemistry (3)
Addition	al Science	Courses (8 hours)
AG	204/L	Soil Science (3) OR
GEOL	311/L	Stratigraphy and Sedimentation (4)
BIOL	303/L	General Ecology (4)

Requires a Major in Chemistry.						
Geology Course Requirements (19 hours)						
GEOL	151/L	Physical Geology (4)				
GEOL	303/L	Crystallography-Mineralogy (4)				
GEOL	351/L	Petrology (4)				
GEOL	417/L	Economic Geology (4)				
GEOL	454	Geochemistry (3)				
	• • • •					
Minor:	Minor: Geophysics					
Requir	es a Major	in Physics.				
Geolog	y Course R	equirements (20 hours)				
GEOL	151/L	Physical Geology (4)				
GEOL	152/L	Historical Geology (4)				
GEOL	311/L	Stratigraphy and Sedimentation (4)				
GEOL	312/L	Structural Geology (4)				
CEOI	450/I	Principles of Geophysics (4)				

Geochemistry

GEOL 450/L Principles of Geophysics (4)

Minor: Geology

Minor:

Geology Course Requirements (17 hours)

GEOL electives to be coordinated with student's major field and approved by geology advisor

Minor: Teaching of Natural Science

(To be used for Secondary Science Licensure with the Geology major)

439	Teaching in Biology (1)
439	Teaching in Chemistry (1)
439	Teaching in Geology (1)
439	Teaching in Physics (1)
380	Secondary School Teaching/Learning (3)
410	Issues in Secondary Teaching (3)
151/L	General Biology I (4)
214/L	Microbiology (4)
151/L	General Chemistry I (4)
152/L	General Chemistry II (4)
	439 439 439 380 410 151/L 214/L 151/L

Subject Matter Endorsement

Area/Minor: General Science

Licensure: Elementary

Up to 12-hours of science coursework taken as part of the general education requirements may apply to the endorsement. Students must take the 151/L courses. See advisor to assist with the selection of electives. Required Courses (16 hours):

Required Courses (10 nours):					
BIOL	151/L	General Biology I (4)			
CHEM	151/L	General Chemistry I (4)			
GEOL	151/L	Physical Geology (4)			
PHYS	151/L	General Physics (4)			
Electives	(8 hours))			
BIOL	214/L	Microbiology* (4)			
BIOL	216	General Botany* (3)			
GEOL	410	Environmental Geology* (3)			
GEOL	482	Geology of New Mexico* (2)			
GEOL	484	Geology of Western National Parks (3)			
PHYS	141/L	Astronomy (4)			
Students	Students wishing to pursue middle school licensure must take				
12 of upper division courses (300/400-level). Other science					
courses with prior consent of advisor.					
*Requires prerequisites or consent of instructor.					
GEOL	482	Geology of New Mexico* (2)			
GEOL	484	Geology of Western National Parks (3)			
PHYS	141/L	Astronomy (4)			

Sample Program of Study in Geology for Bachelor of Science (BS) Degree

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor.

*GEOL 324 Regional Field Geology is not required, but the field experience is strongly recommended and the course may be repeated for up to 4 hours of credit. A Summer Field Camp similar to GEOL 424 is taken in addition to the listed courses. This course should be taken any time after the second year when possible.

Freshma	Fall	Spring		
GEOL	151/L	Physical Geology	4	
GEOL	152/L	Historical Geology		4
GEOL	324	*Regional Field Geology		1
CHEM	151/L	General Chemistry I	4	
	102 or			
ENG	108	English Composition	3	
COMM	101/L	Interpersonal Communication	3	
CHEM	152/L	General Chemistry II		4
	104 or			
ENG	109	English Comp and Research		3
		HPE elective	1	1
Fine Arts elective			3	
		Total credit hours	15	16
Sophom	ore Yea		15 Fall	16 Spring
Sophom GEOL				10
		r Crystallography-Mineralogy	Fall	10
GEOL	303/L 151/L	r Crystallography-Mineralogy	Fall 4	10
GEOL PHYS	303/L 151/L 124	r Cry stallograp hy -M ineralogy General Physics	Fall 4 4	10
GEOL PHYS MATH	303/L 151/L 124 152/L	Cry stallograp hy -M ineralogy General Physics Calculus I General Physics	Fall 4 4	Spring
GEOL PHYS MATH PHYS	303/L 151/L 124 152/L	Cry stallograp hy - M ineralogy General Physics Calculus I General Physics Calculus II	Fall 4 4	Spring 4
GEOL PHYS MATH PHYS MATH	303/L 151/L 124 152/L 132 324	Cry stallograp hy - Mineralogy General Physics Calculus I General Physics Calculus II	Fall 4 4	Spring 4 4
GEOL PHYS MATH PHYS MATH GEOL	303/L 151/L 124 152/L 132 324	Cry stallograp hy -Mineralogy General Physics Calculus I General Physics Calculus II *Regional Field Geology	Fall 4 4	Spring 4 4 1
GEOL PHYS MATH PHYS MATH GEOL	303/L 151/L 124 152/L 132 324	r Cry stallograp hy -Mineralogy General Physics Calculus I General Physics Calculus II *Regional Field Geology Petrology	Fall 4 4 4	Spring 4 4 1 4 4

Junior Y	ear		Fall	Spring
GEOL	302/L	Invertebrate Paleontology	4	
STAT	213	Statistical Methods I	4	
GEOL	311/L	Stratigraphy & Sedimentation		4
GEOL	312/L	Structural Geology		4
GEOL	324	*Regional Field Geology		1
		Humanities elective		3
		Humanities/Fine Arts elective	3	
		Electives or minor	6	4
		Total credit hours	17	16
Senior Y	ear		Fall	Spring
GEOL 465		Senior Research Project	2	

GEOL	465	Senior Research Project	2	
GEOL	324	*Regional Field Geology		1
GEOL	454	Geochemistry		3
		Social Science elective	4	
		Elective or minor	8	12
		Total credit hours	14	16

Physical Sciences

At ENMU, Physical Science courses are offered as service courses to the General Education program and those majors requiring or recommending its use. Descriptions for PHSC courses begin on Page 141.

Physics

Note: There are temporarily no admissions to the physics program. The following information is applicable to current majors and minors only.

Two major programs are offered for the student in physics. The Physics major (Graduate School Preparation) prepares the student for graduate study in physics and related areas. The Physics major (Applications Preparation) prepares the student for a technical position in many fields of science and technology. The curriculum in both programs emphasizes basic principles and practical laboratory experience with opportunity for working on individual projects and research problems. Some latitude of choice among required courses and electives allows the student to explore related fields and to concentrate on either theoretical or applied physics courses.

A Physics major should plan to start introductory physics and calculus no later than the sophomore year. The physics student should be aware that the introductory physics courses begin only in the fall semester and that most upper-division courses are offered every other year. A student majoring in physics should select a minor in mathematics, computer science, chemistry, geology or biology.

The student who plans to teach secondary school science in New Mexico may satisfy Secondary Science Licensure requirements by choosing the Bachelor of Science degree, Physics major with Secondary Science Licensure. These students should check the General Education Requirements for teachers listed on Page 45 and Science Licensure requirements listed on Page 47. Descriptions of PHYS courses begin on Page 141.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Physics Core Requirements (16–18 hours)

PHYS	151/L	General Physics (4) AND
PHYS	152/L	General Physics (4)
PHYS	201/L	Physics I (5) AND
PHYS	202/L	Physics II (5) OR
		(preferably 201/202 sequence)
PHYS	301	Modern Physics (3)
PHYS	303	Mechanics I (3)
PHYS	305L	Advanced Physics Laboratory (2)

Degree: Major:

Bachelor of Science (BS) Physics (Graduate School Preparation)

Physics	Core Re	quirements, plus	
PHYS	304	Mechanics II (3)	
PHYS	411	Physical Chemistry I/Thermodynamics (3)	
PHYS	421	Electricity and Magnetism (3)	
PHYS	435	Quantum Physics (3)	
PHYS	465	Senior Research Report (2)	
Upper-division PHVS electives (5,7)			

Upper-division PHYS electives (5-7)

Course Requirements in Related Areas (15 hours)

Course I	vequit en	ients in Related meas (15 nours)
MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
One progr	ramming	language course (3)
Electives	(21 hou	ırs)
The follo	wing cou	rses are recommended as electives:
MATH	351	Ordinary Differential Equations (3)
MATH	352	Introduction to Linear Algebra (3)
MATH	407	Introduction to Complex Variables (3)
MATH	409	Numerical Analysis I (3)
MATH	423	Partial Differential Equations I (3)
ENG	325	Professional and Technical Writing (3)
Courses i	n Prograi	mming, Chemistry

Degree:Bachelor of Science (BS)Major:Physics (Applications Preparation)Physics Core Requirements, plusPHYS304Mechanics II (3)

PHYS	304	Mechanics II (3)
PHYS	331/L	Optics (4)
PHYS	411	Physical Chemistry I/Thermodynamics (3)
PHYS	465	Senior Research Report (2)
Upper-divi	ision PHY	S electives (3–5)
Course R	equireme	nts in Related Areas (18 hours)
MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
One progra	amming co	ourse (3)
EET	241/L	Logic Circuits (3)
Electives	(24–27 ho	ours)
The follow	ing electiv	ve courses are recommended:
ENG	325	Professional and Technical Writing (3)
MATH or	CHEM of	BUS courses

Degree:	Bachelor of	of Scien	ce	(BS)
Major:	Physics			-	-
Licensure:	Secondary S	Science			
~	 				

Courses that must be chosen within the Teaching Degree **General Education Requirements:** Fulfill the 12-hour Science requirement by taking the following: BIOL 152/L General Biology II (4) Physical Geology (4) GEOL 151/L GEOL 152/L Historical Geology (4) MATH 124 Calculus I (4), (requires MATH 119) **Physics Core Requirements, plus** 113/L Survey of Physics (4) PHYS Upper-division PHYS electives

Minor: Chemical Physics

Requires professional major in chemistry Physics Course Requirements (16 hours)

1 mysics	Course 1	(10 nouis)
PHYS	303	Mechanics I (3)
PHYS	304	Mechanics II (3)
PHYS	331/L	Optics (4)
PHYS	421	Electricity and Magnetism (3)
PHYS	435	Quantum Physics (3)

Minor:		physics
-	es a major i Course Re	equirements (17–19 hours)
PHYS	151/L	General Physics (4) AND
PHYS	151/L 152/L	General Physics (4) OR
PHYS	201/L	2
PHYS		
PHYS	303	Mechanics I (3) (requires MATH 124)
PHYS	305L	Advanced Physics Laboratory (2)
PHYS	450/L	Principles of Geophysics (4)
Minor:	Phy	sics
Physics	Course Re	equirements (22 hours)
PHYS	151/L	General Physics (4) AND
PHYS	152/L	General Physics (4) OR
PHYS	201/L	Physics I (5) AND
PHYS	202/L	Physics II (5)
PHYS	301	Modern Physics (3)
PHYS	303	Mechanics I (3)

PHYS305LAdvanced Physics Laboratory (2)PHYS electives (4–6)Course Requirements in Related Areas (8 hours)MATH124Calculus I (4)

MATH 132 Calculus I (4)

Minor:	Teac	hing of Natural Science
	(to b	e used for Secondary Science
	Licen	sure with the Physics major)
Teach	ning Requiren	nents (10 hours)
BIOL	439	Teaching in Biology (1)
CHE	M 439	Teaching in Chemistry (1)
GEOI	L 439	Teaching in Geology (1)
PHYS	3 439	Teaching in Physics (1)
SED	380	Secondary School Teaching/Learning (3)
SED	410	Issues in Secondary Teaching (3)
Addi	tional Science	Courses (16 hours)
BIOL	151/L	General Biology I (4)
BIOL	214/L	Microbiology (4)
CHE	M 151/L	General Chemistry I (4)
CHE	M 152/L	General Chemistry II (4)

(Some courses require prerequisites.)

Subject Matter Endorsement

Area/Minor: General Science

Licensure: Elementary

Up to 12-hours of science coursework taken as part of the general education requirements may apply to the endorsement. Students must take the 151/L courses. See advisor to assist with the selection of electives.

Required Courses (16 hours):

BIOL	151/L	General Biology I (4)	
CHEM	151/L	General Chemistry I (4)	
GEOL	151/L	Physical Geology (4)	
PHYS	151/L	General Physics (4)	
Electives	(8 hours)		
BIOL	214/L	Microbiology* (4)	
BIOL	216	General Botany* (3)	
GEOL	410	Environmental Geology* (3)	
GEOL	482	Geology of New Mexico* (2)	
GEOL	484	Geology of Western National Parks (3)	
PHYS	141/L	Astronomy (4)	
Students wishing to pursue middle school licensure must take			
12 of upper division courses (300/400-level). Other science			
courses with prior consent of advisor.			

*Requires prerequisites or consent of instructor.

Department of Religion

Assistant Professor: Instructors:

and the second

Brian Townsend The academic program of religion is maintained through the cooperative interests of the Baptist Church, Christian Church, Church of Christ, Episcopal Church, United Methodist Church, Presbyterian Church and Roman Catholic Church. Each church has established a Bible Chair or a Chair of Religion with its own facilities adjacent to the campus. The program is organized with the needs of several types of students in mind: (1) any student, a non-major in religion, wishing to develop religious insight and understanding as part of his/her cultural background; (2) the prospective religious worker not planning to pursue graduate theological study but desiring to major in religion during his/ her undergraduate work; (3) the prospective religious worker planning to attend a graduate school of religion.

Shirley Rollinson

Lance Clemmons Tobin Hitt

Donald Holladay Nita Howard Scott Jarvis Edwin D. Overton

A student may counsel with a professor in any one of the chairs to arrange his/her studies in religion. The student is encouraged to take courses with more than one chair.

Courses offer a wide variety of subjects including archaeology, the Bible, church history, Greek, Hebrew, homiletics, philosophy of religion, sociology of religion, psychology of religion and world religions. Descriptions of REL courses begin on Page 144.

Degree: Bachelor of Arts (BA) or Bachelor of Science (BS) Major: Religion

Major: Religion

Note: A student majoring in religion is encouraged to major or minor in one of the following fields: anthropology, English, history, journalism, modern language, music, political science, psychology, sociology or communication.

Religion Course Requirements (31 hours)

0		-	
REL	101	Old Testament Survey (3)	
REL	103	New Testament Survey (3)	
REL	231	History of the Christian Church (3) OR	
REL	331	History of Religion in America (3),	
REL	402	World's Living Religions (3)	
REL	495	Senior Seminar (1)	
3 credit hours taken from the following courses:			
REL 302, 303, 305, 310, 315, 334, 406, 410, 415, 420			
15 hours of REL electives (a minimum of 9 hours to be upper-			

division)

Minor: Religion

Religion	Course	Requirements (18 hours)		
REL	101	Old Testament Survey (3)		
REL	103	New Testament Survey (3)		
REL	402	World's Living Religions (3)		
9 hours of REL electives (a minimum of 6 hours to be upper-				
division))			

Minor:	Gr	eek
Greek	Course Re	equirements (18 hours)
GR	201	Beginning Greek (4)
GR	202	Continuation of Beginning Greek (4)
GR	301	Intermediate Greek (3)
GR	302	Continuation of Intermediate Greek (3)
4 hours	of upper d	ivision CP alastivas

4 hours of upper-division GR electives

Department of Social and Behavioral Sciences

Fred Cordova

Professors:

1 1 01033013.	Ticu Coluova
	V. Scott Johnson
	Paul Lockman, Jr.
	Reneé Neely
	Sue Strickler
Associate Professors:	Dan Acheson-Brown
	Rosemary Bahr
	Melissa Blevins
	Leslie Gill
	Elizabeth Self
Assistant Professors:	Donna Aguiniga
	Allen Stata

Political Science

Political Science is the study of government, public policy and the political behavior of individuals and groups. Political Science uses both humanistic and scientific perspectives and skills to examine the United States, all countries and regions of the world and international relations. Political Science majors acquire skills in writing, communication and analysis. A major in Political Science is prepared to think independently, with tolerance for others and concern for current affairs.

Political Science majors qualify for many different careers in private and public sector organizations, including careers in business; the law; state, local, and federal government; journalism; international organizations and finance; political campaigns; interest groups and associations and pre-college and college teaching.

Political Science training also provides valuable preparation for participating in community organizations, electoral politics, movements on behalf of specific policies or even seeking elected or appointed positions in government. Descriptions for PSCI courses begin on Page 142.

Degree: Bachelor of Arts (BA) or **Bachelor of Science (BS) Political Science** Major: We recommend the following courses be included in the student's General Education courses: ANTH 233 People and Cultures of the World (3) ECON 221 Principles of Macro Economics (3) Political Science Course Requirements (36 hours) Introduction to Political Science (3) PSCI 101 PSCI 102American National Government (3) PSCI 200 Political Science Research Methods (3) PSCI 207 Introduction to Comparative Politics (3) PSCI 480 Political Science Senior Seminar (3) 3 hours in each of the following a. Political Thought and Theory: Contemporary Political Ideologies (3) PSCI 306 PSCI 401 Classical Political Thought (3) PSCI 411 Modern Political Thought (3) **b.** American Government and Politics: PSCI 302 Constitutional Law (3) PSCI 314 Legislative Behavior (3) PSCI 315 The Presidency (3)

PSCI 315 The Presidency (3) PSCI 422 Political Parties and Elections (3)

c. Comparative Government and International Relations:

PSCI	303	Comparative Foreign Policy (3
PSCI	304	International Relations (3)

- PSCI 443 Comparative Governments (3)
- PSCI 473 Development Politics (3)
- **d. Public Administration and Public Policy:** PSCI 321 Public Policy Process (3)
- PSCI 332 Public Administration (3)
- PSCI 410 Public Policy Issues (3)

9 hours PSCI electives (Only 3 hours of PSCI 487 Internship may count as elective hours toward the major.) For those planning to continue on to graduate work, serious

consideration should be given to the study of a foreign language and an advanced methodological techniques course.

Minor: Political Science

Course Requirements (24 hours)			
PSCI	101	Introduction to Political Science (3)	
PSCI	102	American National Government (3)	
PSCI	200	Political Science Research Methods (3)	
PSCI	207	Introduction to Comparative Politics (3)	
3 hours	in each o	of the following areas:	
a. Politi	ical Thou	ght and Theory:	
PSCI	306	Contemporary Political Ideologies (3)	
PSCI	401	Classical Political Thought (3)	
PSCI	411	Modern Political Thought (3)	
b. Amer	rican Gov	vernment and Politics:	
PSCI	302	Constitutional Law (3)	
PSCI	314	Legislative Behavior (3)	
PSCI	315	The Presidency (3)	
PSCI	422	Political Parties and Elections (3)	
c. Comp	oarative (Government and International Relations:	
PSCI	303	Comparative Foreign Policy (3)	
PSCI	304	International Relations (3)	
PSCI	443	Comparative Governments (3)	
PSCI	473	Development Politics (3)	
d. Publi	ic Admini	istration and Public Policy:	
PSCI	321	Public Policy Process (3)	
PSCI	332	Public Administration (3)	
PSCI	410	Public Policy Issues (3)	

Minor: Legal Studies

Course R	Course Requirements (24 hours)			
BUS	302	Comparative Law (3)		
CJ	102	Introduction to Criminal Justice (3)		
PSCI	101	Introduction to Political Science (3)		
PSCI	102	American National Government (3)		
PSCI	210	Legal Reasoning and Judicial Process (3)		
PSCI	302	Constitutional Law (3)		
6 hours f	6 hours from the following:			
BUS	315	Business Law I (3)		
BUS	316	Business Law II (3)		
BUS	450	Employment and Discrimination Law (3)		
COMM	414	Mass Media Law (3)		
PSCI	311	Democracy: Theory and Practice (3)		
Note: These upper-division courses may require prerequisites				

Note: These upper-division courses may require prerequisites not required in the minor.

Minor:	Public	Administration	and Policy	
C	• • • • • • • • • • • • • • • • • • • •	(24 1)	-	

Course Requirements (24 hours)			
COMM	307	Public Relations Design (3)	
ECON	221	Principles of Macro Economics (3)	
PSCI	101	Introduction to Political Science (3)	
PSCI	102	American National Government (3)	
PSCI	200	Political Science Research Methods (3)	
PSCI	321	Public Policy Process (3)	
PSCI	332	Public Administration (3)	
PSCI	410	Public Policy Issues (3)	

Psychology

Psychology offers the associate of arts, the bachelor of science or the bachelor of arts degree in psychology. Psychology may also be taken as a secondary or special education teaching area minor or as a regular minor.

The faculty in Psychology are committed to a philosophy of teaching that encourages understanding and appreciation of individuals, their unique array of talents and skills and their cultural heritage. In addition, the faculty are committed to accurate disclosure of professional training requirements for psychologists and to giving clear advising on career options in fields related to psychology, such as counseling.

Psychology requires that practitioners receive graduate level training in order to practice professionally. Thus, a bachelor's degree in psychology, from this university or any other, does not prepare the student for a professional career in psychology (or counseling) without further training.

Students in a major with licensure will complete the teaching degree General Education requirements as found on Page 45 and the professional education requirements listed on Page 47.

Upon declaring a major in psychology all students should meet with a member of the psychology faculty immediately for advising.

Descriptions of PSY courses begin on Page 143.

Degree: Associate of Arts (AA) Major: **Psychology Psychology Course Requirements (21 hours)**

1 Sycholog	y course	requirements (21 nours)
PSY	101	Introductory Psychology (3)
PSY	134	Psychology of Adjustment (3)
PSY	201	Child Psychology (3)
PSY	202	Adolescent Psychology (3)
9 hours ele	ctives in I	Psychology

Degree: Bachelor of Arts (BA) or **Bachelor of Sciences (BS)**

Major: **Psychology** Courses that must be chosen within the General Education **Requirements:** BIOL 207/LApplied Physiology (4) STAT 213 Statistical Methods I (4) **Psychology Course Requirements (36 hours) Core Requirements (18 hours)** Introductory Psychology (3) PSY 101 PSY 324 Social Psychology (3) 335 Intro to Psychological Statistics (3) PSY PSY 336 Experimental Psychology (3) PSY 402 Abnormal Psychology (3) PSY 467 Physiological Psychology (3)

Psychology Area Requirements (9 hours)

Psychology Area Requirements (9 hours)				
Developmental – Choose one of the following three:				
PSY	201	Child Psychology (3)		
PSY	202	Adolescent Psychology (3)		
PSY	300	Psychology of Adult Development		
Theoretica	al Foundat	tions – Choose one of the following two:		
PSY	411	Theories of Personality (3)		
PSY	443	Theories of Psychological Counseling (3)		
Learning/	Cognitive	- Choose one of the following two:		
PSY	430	Seminar in Behavior Analysis (3)		
PSY	435	Cognition (3)		
Electives	(must b	e different from those selected from		
developmental, theories, and learning categories above)				
(9 hours, six of which must be upper division.)				
PSY	134	Psychology of Adjustment (3)		
PSY	201	Child Psychology (3)		
PSY	202	Adolescent Psychology (3)		
PSY	300	Psychology of Adult Development (3)		
PSY	301	Paraprofessional Helping Skills (3)		
PSY	421	Multicultural Psychology (3)		
PSY	430	Seminar in Behavior Analysis (3)		
PSY	435	Cognition (3)		
PSY	443	Theories of Psychological Counseling (3)		
PSY	445	Intro to Multicultural Counseling (3)		
PSY	481	Advanced Social Psychology (3)		
PSY	483	Field Placement (3)		
PSY	493	Topics in Psychology (1-3)		

Minor: **Psychology**

Courses that must be chosen within the General Education **Requirements:** BIOL 207/LApplied Physiology (3) **Psychology Core Requirements (12 hours)** Introductory Psychology (3) PSY 101 324 Social Psychology (3) PSY 402 PSY Abnormal Psychology (3) 467 Physiological Psychology (3) PSY **Psychology Area Requirements (9 hours)** Developmental - Choose one of the following three: PSY 201 Child Psychology (3) PSY 202 Adolescent Psychology (3) PSY 300 Psychology of Adult Development Theoretical Foundations - Choose one of the following two: PSY 411 Theories of Personality (3) PSY 443 Theories of Psychological Counseling (3) Learning/Cognitive - Choose one of the following two: PSY 430 Seminar in Behavior Analysis (3) PSY 435 Cognition (3)

Subject Matter Endorsement

Area/Minor: **Psychology** Licensure: Secondary Only **Psychology Course Requirements** 101 Introductory Psychology (3) PSY

PSY	202	Adolescent Psychology (3)
PSY	402	Abnormal Psychology (3)
PSY/		
HIST	409	Teaching Social Studies (3)
PSY	411	Theories of Personality (3)
PSY	435	Cognition (3)
PSY	467	Physiological Psychology (3)

Three hours of elective in Psychology

Suggested Program for Bachelor of Science (BS) in Psychology

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan*. For specific information, see advisor or records clerk. **Note:** Some required courses may be offered only on Saturdays or evenings.

Fresh	man Y	Fall		Spring	
PSY	101	Introductory Psychology	3	or	3
	201/				3
PSY	202	Developmental Psych Track	3	or	5
STAT	213	Statistical Methods I	4	or	4
		General Education	6–16	_	6–16
		Total credit hours	16	-	16
Sophe	omore	Year	Fall		Spring
PSY	335	Intro to Psychological Statistics	3		
PSY	336	Experimental Psychology			3
PSY	324	Social Psychology OR	3	or	3
PSY	301	Paraprofessional Helping Skills	5	01	5
		General Education (beginning			
		work on a minor area is			
		encouraged	11–14		11–14
		Total credit hours	17		17
Junio	r Year		Fall		Spring
PSY	430	Sem in Behavior Analysis OR			
PSY	435	Cognition OR	3	or	3
PSY	481	Advanced Social Psychology*			
		Psychology electives	6		3
		General Education, minor,			
		other electives	6		9–12
		Total credit hours	16–19		16–19

* PSY 481 is offered alternate Fall semesters only.

Senio	or Year		Fall		Spring
PSY	402	Abnormal Psychology	3	or	3
PSY	411	Theories of Personality			3
PSY	467	Physiological Psychology	3	or	3
		General Education, minor,			
		other electives	10–16		7–13
		Total credit hours	16		16

Social Work

Social Work is a helping profession that is a leader in the development, provision and evaluation of social services. Social Work is both an academic and an applied discipline that relies on values of service, social and economic justice, the dignity and worth of the person, the importance of human relationships, and integrity and competence in practice. The essence of Social Work is helping people, organizations and communities.

Social Work strives to enhance human well-being and to alleviate poverty, oppression and social injustice while promoting respect for human diversity. The Social Work profession draws upon its own accumulated body of knowledge and skills, as well as the theories and findings of other social science disciplines. Among the social sciences, Social Work is unique in its emphasis on **both** the person and the social environment in a reciprocal relationship.

ENMU's Bachelor of Social Work (BSW) program follows the standards and guidelines of the Council on Social Work Education (CSWE) in preparing students to be competent, caring, ethical and effective Social Work practitioners. The BSW Program has begun the process of seeking accreditation from the CSWE. Currently, the Social Work Program cannot promise accreditation to incoming students. Students are encouraged to meet with a Social Work program faculty advisor for any changes in the program's status.

The BSW curriculum is designed to provide the base of knowledge, skills and values necessary for competent and ethical generalist Social Work practice to those entering the profession, as well as those already practicing in social service settings. The curriculum is designed to help prepare students and practitioners for licensure and advanced study.

Social workers are found in a wide variety of practice settings including health and mental health, child welfare, community-based organizations, youth services, law enforcement, courts, corrections and social service providers.

Students considering a Social Work major should consult with a social work faculty advisor as early as possible in their academic career. Those wishing to declare the Social Work major/degree plan must submit an application to the program and meet with a Social Work faculty advisor prior to enrolling in Social Work classes.

The Bachelor of Social Work degree has a social work composite major and do not require a minor.

Description of SWK courses begins on Page 145

Degree:		Bachelor of Social Work (BSW) Composite		
Major:	Soc	ial Work		
Courses	s that must	be chosen within the General Education		
Require	ements:			
ANTH	243	Introduction to Cultural		
		Anthropology (3) OR		
PSY	101	Introductory Psychology (3) OR		
SOC	101	Introductory Sociology (3) OR		
SOC	212	Contemporary Social Issues (3) OR		
SOC	215	Marriage and The Family (3)		
ART	131	Art Appreciation (3) OR		
MUS	113	Music Appreciation (3)		
BIOL	113/L	Biology for General Education/Lab (4) OR		
BIOL	151/L	General Biology I/Lab (4)		
CJ FCS	310 310	Comparative Criminal Justice (3) OR Diversity/Globalization and Families (3) OR		

PSCI/ COMM SOC	330 302	Power Games: Politics and Media (3) OR Racial and Ethnic Relations (3)
GEOL GEOL	113/L 151/L	Geological Environment/Lab (4) OR Physical Geology/Lab (4)
HIST	203	New Mexico (3)
SPAN	101	Beginning Spanish (4)
STAT	213	Statistical Methods I (4)
THTR	121	Beginning Acting (3)
		ments (6–10 hours)
		rs must take:
SPAN	102	Continuation of Beginning Spanish (4)
SPAN	201	Intermediate Spanish (3)
SPAN	202	Continuation of Intermediate Spanish (3)
	OR	
Native sp	eakers m	ust take:
SPAN	105	Beginning Spanish: Native Speakers (3)
SPAN	205	Intermediate Spanish: Native Speakers (3)
	OR	
Native Am	erican La	nguage (6 hours transfer college level).
Social Wo	ork Cours	se Requirements (52 hours)
SWK	301	Social Work in Rural Settings (3)
SWK	311	Social Work Practice I (3)
SWK	312	Social Work Practice II (3)
SWK	321	Human Behavior in the Social
		Environment I (HSBE I) (3)
SWK	322	Human Behavior in the Social
		Environment II (HSBE II) (3)
SWK	334	Introduction to Social Research (3)
SWK	341	Social Welfare Policy I (3)
SWK	342	Social Welfare Policy II (3)
SWK	361	Preparation for Field Placement (1)
SWK	362	Field Experience I (3)
SWK	414	Social Work Practice III (3)
SWK	415	Selected Fields of Social Work
		Practice (3)
SWK	424	Human Behavior in the Social
		Environment III (HSBE III) (3)
SWK	425	Southwest Peoples and Cultures (3)
SWK	444	Social Welfare Policy III (3)
SWK	463	Field Experience II (3)
SWK	464	Field Experience III (3)
SWK	498	Senior Seminar (3)
Electives	(16 - 24) h	ours). Taking courses from within the

Electives (16–24 hours): Taking courses from within the following disciplines is strongly recommended for Social Work majors as being relevant to the BSW course of study. Electives should be selected in consultation with a Social Work faculty advisor.

Anthropology	Psychology
Economics	Religion
History	Sociology
Humanities	Spanish
Political Science	Social Work

Course Equivalencies

All students seeking to enter the Social Work program, including transfer students, students declaring a major after 30 hours or those who hold an A.A. or other degree, must meet with a Social Work faculty advisor to prepare the BSW degree plan before enrolling. Students will be expected to meet the following minimum conditions in order to graduate:

- 1. All General Education requirements must be met.
- 2. Social Work majors must take the 52 hours of Social Work Course Requirements.
- 3. Students shall select sufficient hours from required and elective course offerings to equal 128 hours minimum for graduation.

Prior course equivalency must be demonstrated through transcripts and syllabi or exam scores. Students who have completed substantial course work but who lack equivalent courses that satisfy the above conditions may be required to take additional courses to graduate with a BSW. These hours may be in addition to the requirements listed above.

Suggested Program of Study for Bachelor of Social Work

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan*. For specific information, see advisor or records clerk. **Note:** some required courses may be offered only on Saturdays or evenings.

Students are expected to have completed all or most of the General Education Requirements before taking the following sequence of courses:

Junior Year Fall Spring				
SWK 301	Social Work in Rural Settings		3	
SWK 311	Social Work Practice I	3		
SWK 312	Social Work Practice II		3	
SWK 321	Human Behavior I (HBSE I)	3		
SWK 322	Human Behavior II (HBSE II)		3	
SWK 334	Introduction to Social Research	3		
SWK 341	Social Welfare Policy I	3		
SWK 342	Social Welfare Policy II		3	
SWK 361	Preparation for Field Placement	1		
SWK 362	Field Experience I		3	
	Elective	3		
	Total credit hours	16	15	
SeniorYea	ar	Fall	Spring	
	ar Social Work Practice III	Fall 3	Spring	
SWK 414	••		Spring 3	
SWK 414 SWK 415	Social Work Practice III		1 0	
SWK 414 SWK 415	Social Work Practice III Selected Fields of Social Work Practice	3	1 0	
SWK 414 SWK 415 SWK 424	Social Work Practice III Selected Fields of Social Work Practice	3	1 0	
SWK 414 SWK 415 SWK 424 SWK 425	Social Work Practice III Selected Fields of Social Work Practice Human Behavior III (HBSE III)	3	3	
SWK 414 SWK 415 SWK 424 SWK 425 SWK 444	Social Work Practice III Selected Fields of Social Work Practice Human Behavior III (HBSE III) Southwest Peoples and Cultures	3	3	
SWK 414 SWK 415 SWK 424 SWK 425 SWK 425 SWK 444 SWK 463	Social Work Practice III Selected Fields of Social Work Practice Human Behavior III (HBSE III) Southwest Peoples and Cultures Social Welfare Policy III	3 3 3	3	
SWK 414SWK 415SWK 425SWK 425SWK 444SWK 463SWK 464	Social Work Practice III Selected Fields of Social Work Practice Human Behavior III (HBSE III) Southwest Peoples and Cultures Social Welfare Policy III Field Experience II	3 3 3	3	
SWK 414SWK 415SWK 425SWK 425SWK 444SWK 463SWK 464	Social Work Practice III Selected Fields of Social Work Practice Human Behavior III (HBSE III) Southwest Peoples and Cultures Social Welfare Policy III Field Experience II Field Experience III	3 3 3	3	
SWK 414 SWK 415 SWK 424 SWK 425 SWK 425 SWK 444 SWK 463 SWK 463 SWK 464	Social Work Practice III Selected Fields of Social Work Practice Human Behavior III (HBSE III) Southwest Peoples and Cultures Social Welfare Policy III Field Experience II Field Experience III Senior Seminar	3 3 3 3 3	3 3 3 3 0-3	
SWK 414 SWK 415 SWK 424 SWK 424 SWK 425 SWK 414 SWK 415 SWK 415 SWK 415 SWK 415 SWK 425 SWK 42	Social Work Practice III Selected Fields of Social Work Practice Human Behavior III (HBSE III) Southwest Peoples and Cultures Social Welfare Policy III Field Experience II Field Experience II Senior Seminar Electives	3 3 3 3 3	3 3 3 3 3	

College of Liberal Arts and Sciences 103

Sociology

Sociology studies the social forces and influences that structure human activity and experience. The discipline gives particular attention to configurations of groups and relationships as well as routines of everyday and organized social life. By examining, in addition, cultural values and meanings through which humans express and define themselves, sociology offers special insight of how larger social and cultural patterns infuse peoples' lives. Having as its core a comparative methodology, multi-cultural, cross-cultural and global perspectives are central. Students may major or minor in sociology.

Descriptions of SOC courses begin on Page 146.

Bachelor of Arts (BA) or **Degree: Bachelor of Science (BS)** Sociology Major: 101 SOC Introductory Sociology (3) SOC 434 Introduction to Social Research (3) STAT 213 Statistical Methods I (4) 12 hours of SOC electives, at least 6 hours of which must be upper-division 3 hours in each of the following categories: a. Social Stratification: SOC 302 Racial and Ethnic Relations (3) SOC 305 Sex Roles in Society (3) SOC 315 Social Inequality (3) b. Social Institutions: SOC 413 Urban Sociology (3) SOC 414 Sociology of Religion (3) SOC 415 Sociology of the Family (3) SOC 435 Sociology of Education (3) c. Social Psychology: SOC 324 Social Psychology (3) SOC 431 Deviant Behavior (3) d. Social Dynamics: SOC 311 Collective Behavior (3) SOC 320 Social and Cultural Change (3) e. Theory: SOC 402 Development of Social Thought (3) SOC 411 Contemporary Sociological Theory (3)

Minor: Sociology

		0/
Sociology	Course	Requirements (21 hours)
SOC	101	Introductory Sociology (3)
SOC	434	Introduction to Social Research (3)
SOC	402	Development of Social Thought (3) OR
SOC	411	Contemporary Sociological Theory (3)
12 hours S	SOC elec	tives, at least 9 of which must be upper-
division		

Degree:Bachelor of Arts (BA) or
Bachelor of Science (BS)Major:Social StudiesLicensure:Secondary Social Studies

The teaching areas are anthropology, economics, geography, political science and sociology. The 36-hour social studies major will prepare a student for endorsement in general social studies.

Courses	that must	be chosen within the Teaching Degree
General	Education	Requirements:
HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since
		1877 (3)

HIST	121	Survey of Western Civilization (3)
HIST	122	Survey of Western Civilization (3)
PSCI	102	American National Government (3)
Professi	onal Ed	ucation Requirements (33 hours), see
Page 47		
Must inc	lude:	
HIST	409	Teaching Social Studies (3)
Social St	tudies Co	ourse Requirements (36 hours)
ANTH/		
GEOG	103	Humans and Their Environments (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands and
		Diverse Cultures (3)
ANTH	233	People and Cultures of the World (3)
ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)
PSCI	101	Introduction to Political Science (3)
PSCI	207	Introduction to Comparative Politics (3)
PSCI	302	Constitutional Law (3)
PSCI	443	Comparative Governments (3)
PSCI	200	Political Science Research
		Methods (3) OR
SOC	434	Introduction to Social Research (3)
SOC	320	Social and Cultural Change (3)

Subject Matter Endorsement Area/Minor: Social Studies Licensure: Elementary Only

Only six hours of course work taken in the General Education sequence will count for the emphasis area in social studies.

Social Studies Course Requirements (24 hours)

One course not taken from the following list in General Education must be applied to the endorsement: HIST 101, HIST 102, HIST 121, HIST 122 HIST 203.

HIST 102, HIST 121, HIST 122 HIST 203.			
Social Studies Requirement			
HIST	409	Teaching Social Studies (3)	
12 hours	from the	e following recommended courses (three	
different	discipline	s should be represented):	
PSCI	101	Introduction to Political Science (3)	
PSCI	102	American National Government (3)	
PSCI	200	Political Science Research Methods (3)	
PSCI	306	Contemporary Political Ideologies (3)	
SOC	101	Introductory Sociology (3)	
SOC	215	Marriage and the Family (3)	
SOC	302	Racial and Ethnic Relations (3)	
SOC	305	Sex Roles in Society (3)	
SOC	315	Social Inequality (3)	
SOC	320	Social and Cultural Change (3)	
SOC	324	Social Psychology (3)	
SOC	402	Development of Social Thought (3)	
SOC	415	Sociology of the Family (3)	
SOC	435	Sociology of Education (3)	
ANTH/			
GEOG	103*	Humans and Their Environment (3)	
ANTH	111	The Dawn of Humanity (3)	
ANTH	123	New Mexico: Enchanted Lands and	
		Diverse Cultures (3)	
ANTH/			
GEOG	233*	People and Cultures of the World (3)	
ANTH	340	Indians of North America (3)	
ANTH	401	Indians of the Plains (3)	
ECON	221	Principles of Macro Economics (3)	
ECON	222	Principles of Micro Economics (3)	
*GEOG 103 and GEOG 233 are highly recommended			

Subject Matter Endorsement

Area/Minor: Social Studies

Licensure: Special Education Only

Courses taken in the General Education sequence will not count for the endorsement area.

General	Education	Requirements must include:
HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since
		1877 (3)
HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	203	New Mexico (3)
Social St	tudies Cou	rse Requirements (24 hours)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands and
		Diverse Cultures (3)
ECON	221	Principles of Macro Economics (3)
HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	409	Teaching Social Studies (3)
PSCI	101	Introduction to Political Science (3)
SOC	101	Introductory Sociology (3)
SOC	215	Marriage and the Family (3)
		-

Minor: Criminal Justice

Criminal Justice Course Requirements (21 hours)Required courses (9 hours)CJ102Introduction to Criminal Justice (3)

CJ 312 Criminology (3)

CJ 434 Introduction to Social Research (3)

Criminal Justice Electives (12 hours at least 6 of which must be upper-division)

Sociology Electives (3 hours selected from the following)

- SOC 302 Racial and Ethnic Relations (3)
- SOC 413 Urban Sociology (3)
- SOC 415 Sociology of the Family (3)

Criminal Justice

The discipline of criminal justice studies the nature, types, causes, conditions and consequences of crime in society. The program devotes significant attention to society's organized response to crime in the form of police, courts, judicial processes and corrections. Closely allied to sociology in both content and perspective, a comparative orientation highlights cross-cultural differences in how societies conceptualize crime and administer justice. Issues and problems of crime in society are considered throughout the criminal justice curriculum. Including an internship, the criminal justice program offers student preparation for careers in criminal justice. Descriptions of CJ courses begin on Page 119.

Degree: Bachelor of Arts (BA) or Bachelor of Science (BS)

Major: Criminal Justice

 j		Jacobee
Courses that must be chosen within the General Education		
Requirem	ents:	
SOC	101	Introductory Sociology (3)
STAT	213	Statistical Methods I (4)
Criminal	Justice C	Course Requirements (34 hours)
Course Re	quirement	ts (13 hours)
CJ	102	Introduction to Criminal Justice (3)
CJ	312	Criminology (3)
CJ	434	Introduction to Social Research (3)
CJ	489	Internship (4)
Criminal J	ustice Ele	ctives (21 hours at least 12 of which must
be upper-d	livision)	
Sociology	Electives	(6 hours selected from the following, at
least 3 of v	which mus	st be upper-division)
SOC	212	Contemporary Social Issues (3)
SOC	413	Urban Sociology (3)
SOC	415	Sociology of the Family (3)
SOC	302	Racial and Ethnic Relations (3)

Course Descriptions

Course descriptions are listed alphabetically by discipline with the exception of education courses. All education courses can be found together beginning on Page 120.

Within the course descriptions which follow are the abbreviations (F), (Alt F), (S), (Alt S), (Su) and (TBA). These are indications of semesters the course is generally offered. Departments may deviate from these occasionally. For specific scheduling refer to the current Class Schedule. (F) = Fall, (Alt F) = Alternate Fall, (S) = Spring, (Alt S) = Alternate Spring, (Su) = Summer, (TBA), = To Be Announced

Accounting (ACCT)

- ACCT 211 Introduction to Managerial Accounting (3). This introductory course is concerned with the use of financial and related information by managers and other persons inside specific organizations to make strategic, organizational, and operational decisions. Prerequisites: BUS 151; MATH 107 or equivalent. (F, S)
- ACCT 212 Introduction to Financial Accounting (3). Fundamental accounting principles and concepts, procedures in data accumulation and presentation, and preparation of financial statements, types of business entities, and financing business entities. Prerequisites: ACCT 211; MATH 119. (F, S)
- **ACCT 305 Intermediate Accounting I (3).** Theory pertaining to assets, liabilities, the balance sheet, and income statement and retained earnings statement. Prerequisites: ACCT 211, 212. (F)
- ACCT 306 Intermediate Accounting II (3). Accounting for inventories, property, depreciation, intangible assets, current and long-term liabilities bonds. Prerequisite: ACCT 305. (S)
- ACCT 307 Intermediate Accounting III (3). Accounting for costs bonds, corporate capital, earnings per share and statement of cash flows. Prerequisite: ACCT 306. (F)
- ACCT 311 Cost Accounting (3). Accounting for costs of products and services; cost analysis and estimation; relevant costs for planning, controlling and decision making. Prerequisites: ACCT 211, 212; STAT 213. (S)
- **ACCT 342 Governmental Accounting (3).** Fundamental principles of accounting relating to governmental-type entities, account classification, and financial statement preparation and requirements. Prerequisite: ACCT 305. (TBA)
- ACCT 371 Income Tax Accounting: Individual (3). Federal income tax laws and regulations and related accounting problems; preparation of returns for individuals. Prerequisite: ACCT 211. (F)
- ACCT 400 Accounting Information Systems Theory (3). Introduction to the design and creation of accounting information systems with emphasis on control and reporting in a computerized environment. Prerequisites: ACCT 211, 212; BUS 151; CIS 151. (F)
- ACCT 401 Advanced Accounting I (3). Accounting for mergers, acquisitions, and combinations, and preparation of consolidated financial statements. Prerequisite: ACCT 307. (TBA)
- ACCT 421 Internal Auditing (3). Procedures and practices in the verification of amounts and records in the preparation of audit reports within the business entity. Prerequisites: ACCT 305; STAT 213. (TBA)

- ACCT 422 Auditing (3). Standards for planning and conducting audits and other types of examinations of financial statements, working paper content and form, auditors' opinions on financial statements, and ethics of the profession. Prerequisites: ACCT 307; STAT 213. (S)
- ACCT 475 Income Tax Accounting: Corporations, Partnerships, and Fiduciaries (3). Federal income tax laws and regulations; related accounting problems for partnerships, corporations and fiduciaries. Prerequisite: ACCT 371. (TBA)
- ACCT 476 Tax Research and Planning (3). Use of research tools in a professional tax library, tax planning and tax consequences of various forms of business organizations. Prerequisite: ACCT 371. (TBA)
- **ACCT 481 Theory of Accounting (3).** Use of the AICPA Bulletins, AAA Statements and the FASB Statements to review the development of accounting theory. Prerequisites: ACCT 306. (TBA)
- ACCT 489 Internship (1–3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. (Will not count as an Accounting elective.) Prerequisite: ACCT 305. (TBA)
- ACCT 491 Directed Study (1–3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: ACCT 306. (TBA)
- ACCT 493 Topics in Accounting (1–3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisite: ACCT 306. (TBA)

Agriculture (AG)

- **AG 101 Animal Science (3).** Livestock and meat industry; problems of feeding management; development of basic skills in cattle, sheep and swine selection. (F)
- **AG 102 Dairy Science (3).** Dairy breeds, secretion of milk, composition, and food value of milk, importance of quality in dairy products; breeding, feeding; marketing and management in dairy products. (TBA)
- **AG 103 Orientation and Careers (1).** An introduction to the field of agriculture and the many career opportunities within the discipline. (F)
- **AG 110 Varsity Rodeo (1).** Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (F)
- **AG 111 Rodeo Techniques (1).** A continuation of AG 110 Varsity Rodeo, focusing on rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (S)
- **AG 121 Horse Production and Management (3).** An introduction to the equine industry. Functional anatomy, feeding, nutrition, and health management of the horse. (TBA)
- **AG 202 Introduction to Agricultural Education (1).** An introduction to teaching agriculture with emphasis on opportunities for graduates and expectations of the ENMU Teacher Education Program. Emphasis placed on history, pedagogy and youth program organization. Prerequisite: successful completion of 7 hours of agriculture core curriculum (F).
- AG 203 Crop Science (3). Introduction to the major food, feed fiber and specialty crops grown in New Mexico and the US. Emphasis on biology, physiology, genetics, culture and management. Concurrent enrollment: AG 203L. (S)



- AG 203L Crop Science Laboratory (NC). Concurrent enrollment: AG 203. (S)
- **AG 204 Soil Science (3).** Origin, formation and classification of soils; factors determining distribution of different soils; physical, chemical and biological properties of soils and basic principles governing processes which occur in soils. Concurrent enrollment: AG 204L. (F)
- AG 204L Soil Science Laboratory (NC). Prerequisite: consent of instructor. Concurrent enrollment: AG 204. (F)
- **AG 210 Varsity Rodeo (1).** Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (F)
- **AG 211 Rodeo Techniques (1).** A continuation of AG 210 Varsity Rodeo, focusing on rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (S)
- **AG 221 Principles of Horticulture (3).** Identification, adaptation, propagation and maintenance of turfgrass, fruit, vegetable, nut, flowering and ornamental plants. (TBA)
- AG 231 Agriculture Mechanics (3). Instruction and skill development in various welding techniques, hot and cold metal work and oxy-acetylene cutting and welding. Concurrent enrollment: AG 231L. (TBA)
- AG 231L Agriculture Mechanics Laboratory (NC). Concurrent enrollment: AG 231.
- AG/FCS/PTE 254 Information Technology in Applied Science (3).
- AG 268 Workshop in Agriculture (1–3). As announced. (May be repeated for a maximum of 4 hours.)
- AG 293 Topics in Agriculture (1–3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.)
- AG 301 Rural Buildings and Materials (3). Instruction and skills development in agricultural buildings and materials. Planning, construction and maintenance of structures including topics in carpentry, electricity, plumbing, surveying and masonry. Prerequisite: MATH 107.
- **AG 303 Agricultural Power and Machinery (3).** Advanced studies in mechanization skills for agricultural occupations. Agricultural engines and theory, hydraulics and farm equipment mechanics and maintenance. Prerequisite: MATH 107.
- AG 304 Pest Management (3). Identification of weed and insect pests; chemicals, biological, cultural practices and principles used to control pest population. Prerequisites: AG 203/203L, 204/204L. (TBA)
- **AG 310 Varsity Rodeo (1).** Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (F)
- **AG 311 Farm Management and Records (3).** Farming and ranching as a business; factors affecting profits; efficient use of agriculture resources; types of farming; efficiency in use of labor; machinery; farm records; planning and management. (TBA)
- AG 312 Agriculture Yesterday, Today, and Tomorrow (3). Introduction to the agricultural experience from historical and cultural perspectives; influence of agriculture on societal development: application of biotechnology as a tool to offset future world food demands. Prerequisites: freshman-level life science general education, ENG 102, 104; CIS 151. (Su)
- **AG 313 Rodeo Techniques (1).** A continuation of AG 310 Varsity Rodeo, focusing on rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (S)
- **AG 321 Feeding and Nutrition (3).** Digestibility and nutritional values of feeds; compounding rations in the production of livestock; ration function; digestion process; requirements for maintenance and production. Prerequisite: AG 101.

- AG 331 Forage Crops and Pastures (3). Identification of the varieties, cultures, adaptation and management of plants useful for forage, hay and pasture. Prerequisites: AG 203/203L. (TBA)
- **AG 340 Marketing Agricultural Products (3).** Economic principles and problems in marketing farm and ranch products; marketing function, services, agencies, pricing and futures trading. Prerequisites: MKT 301; MATH 119. (TBA)
- **AG 351 Beef Production (3).** Systems of beef production including production of purebred, commercial and fat cattle. Range, farm and feedlot problems. Prerequisite: AG 101.
- **AG 352 Agricultural Economics (3).** Application of agricultural economic concepts to agribusiness finance, marketing and management. Prerequisite: ECON 221. (TBA)
- AG 394 Professional Leadership Development (3). Preparation for teachers in agricultural education programs and associated student organizations. Topics include leadership, personal growth, public speaking, parliamentary procedure, group leadership and training for other Career Development Events. (TBA)
- AG 402 Agricultural Policy (3). Identification and analysis of governmental programs and policies affecting prices and quantities of commodities. Farmer-rancher incomes, food supplies, consumer prices, domestic and foreign food distribution, and trade. Prerequisites: ECON 221; AG 311/ 311L or AG 352. (F)
- **AG 410 Varsity Rodeo (1).** Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (F)
- **AG 411 Rodeo Techniques (1).** A continuation of AG 410 Varsity Rodeo, focusing on rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (S)
- **AG 432 Animal Health (3).** Disease prevention, detection, treatment and isolation; methods of waste disposal and pollution control. Prerequisites: AG 101, General Education requirement in life science. (TBA)
- AG 468 Workshop in Agriculture (1–3). As announced. (May be repeated for a maximum of 4 hours.)
- **AG/FCS/PTE 479 Teaching Vocational Disciplines (2).** Prerequisite: Six hours completed in a teacher education program. Should be taken the semester prior to student teaching or Supervised Classroom Internship. (F, S, Su)
- AG 480 Methods of Teaching Agriculture (1). Culminating department course in preparation for the teaching experience. Curriculum choice and development, national and state standards and benchmarks, teaching methods and techniques unique to agriculture. Prerequisites: six hours completed in a teacher education program; AG 479. Should be taken the semester prior to student teaching. (F).
- **AG 489 Internship (3).** Supervised work experience with approved public and private employers in agricultural business including banks, farm credit services, agriculture chemical firms, Soil Conservation Service and other agencies. Prerequisite: consent of instructor and agency. This course is graded Pass/Fail. (May be repeated for a maximum of 6 credits with consent of instructor.) (F, S, Su)
- **AG 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **AG 493 Topics in Agriculture (1–3).** As announced. (May be repeated for a maximum of 6 hours with consent of instructor.)
- **AG 494 Senior Seminar (1).** Contemporary issues, professional opportunities and responsibilities in agriculture. Prerequisite: completion of 20 hours in agriculture and declaration of either the major or minor or consent of instructor. (S)

Anthropology (ANTH)

- **ANTH/GEOG 103 Humans and Their Environments (3).** The relationship between natural environment and human activities. A basic introduction to geography. (Does not count towards anthropology major.)
- **ANTH III The Dawn of Humanity (3).** Physical and cultural characteristics of the human being: human origins until the close of the last ice age; changing views of evolutionary theory and adaptation as well as cultural adaptations until the historic period. (Does not count towards anthropology major.)
- ANTH 123 New Mexico: Enchanted Lands and Diverse Cultures (3). The rich cultures of New Mexico: its peoples and varied environmental settings, with emphasis on understanding multicultural aspects and potential for growth. (Does not count towards anthropology major.)
- **ANTH/GEOG 233 People and Cultures of the World (3).** The diverse societies that exist in various geographical areas of the world, with emphasis on understanding relationships between cultural systems and natural environments.
- **ANTH 243 Introduction to Cultural Anthropology (3).** A beginning course that emphasizes a cross-cultural view of human adaptation, comparative linguistics, economies, political systems, kinship and religion. (F, S)
- **ANTH 245 Introduction to Archaeology (3).** Contemporary goals, theories, techniques and methods: draws examples from prehistory and emphasizes reconstructing past lifeways. Concurrent enrollment: ANTH 245L.
- **ANTH 245L Introduction to Archaeology Laboratory (1).** Laboratory provides hands-on experience in excavation methods and analysis in a simulated laboratory context. Concurrent enrollment: ANTH 245.
- ANTH 247 Humans and Primates: Evolution and Variation (3). Traces origins, development and diversification of the primates including their modern social groups; evolution of the Human species and its modern physical variations and cultural adaptations. Concurrent enrollment: ANTH 247L.
- ANTH 247L Humans and Primates: Evolution and Variation Laboratory (1). Laboratory provides hands-on experience in various aspects of physical anthropology including skeletal analysis, observation, and recording of primate behavior and population genetics. Concurrent enrollment: ANTH 247. (S)
- **ANTH/CJ 255 Forensic Anthropology (3).** Analytical procedures concerning human skeletal remains and their identification by sex, race, age at death and circumstances of death, as well as the analysis of recovery, individual identification and mass burials. (F)
- **ANTH 268 Workshop in Anthropology (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **ANTH 293 Topics in Anthropology (1–3).** As announced. (May be repeated for credit.) Prerequisite: ANTH 243.
- **ANTH 310 Origins of Human Diversity (3).** This course explores human evolutionary origins, both physical and cultural, examines race and ethnicity and follows processes of human cultural evolution from foraging to complex societies worldwide. Prerequisite: six hours of General Education social sciences. (S)
- **ANTH 320 Introduction to Flintworking (3).** Basics of stone tool manufacturing and use. (Alt F)
- **ANTH 333 Anthropology and Third World Peoples (3).** This course provides an anthropological perspective on modern third world peoples and their problems as "ethnic minorities" in an increasingly global and commercial world. (F)

- **ANTH 340 Indians of North America (3).** North American Indian cultures in historic and contemporary contexts. (Alt F)
- **ANTH/SOC 350 Medical Anthropology (3).** Anthropological ecological approaches to health and disease; how societies perceive health and disease and organize the culture to accommodate health issues such as: reproduction, nutrition, culture change and modernization. Prerequisite: ANTH 233 or ANTH 243. (TBA)
- ANTH 365 North American Prehistory (3). North American continent from earliest evidence of human occupation of the New World until European contact. Prerequisites: ANTH 245/245L. (TBA)
- **ANTH 375 Old World Prehistory (3).** Lower Paleolithic through Neolithic prehistory of Africa, Middle East and Europe. Prerequisites: ANTH 245/245L. (TBA)
- **ANTH 401 Indians of the Plains (3).** Plains Indian cultures from the time of European contact to the present will be examined, with an emphasis on adaptations, social organizations and culture change. Prerequisites: ANTH 233 or ANTH 243. (TBA)
- **ANTH 404 Human Osteology (3).** Hands-on identification and analysis of human skeletal remains, with a focus on archaeological applications. (Alt S)
- **ANTH 423 Prehistoric Origins of Complex Societies (3).** Worldwide comparison of the prehistoric evidence and anthropological models which attempt to explain development of complex social, political and economic systems. Prerequisites: ANTH 245/245L.
- **ANTH 432 Indians of the Southwest (3).** Native American tribes of New Mexico and Arizona from the time of Spanish contact to the present. Prerequisite: ANTH 233 or ANTH 243. (Alt F)
- **ANTH 441 Historic Preservation (3).** Federal and State laws/ regulations; procedures for managing and protecting archaeological sites/artifacts; philosophical basis of historic preservation in the United States; ethical considerations; Federal and State regulatory administration. Prerequisites: ANTH 245/245L.
- **ANTH 455 Prehistory of the Plains (3).** Plains Indian culture from its earliest beginnings to early European contact. Prerequisites: ANTH 245/245L.
- ANTH 460 Paleo-Indian in the New World (3). Investigation of archaeological evidence of Paleo-Indians, from earliest dated materials to Archaic period. Prerequisites: ANTH 245/245L.
- **ANTH 461 Prehistory of the Southwest (3).** Southwest prehistory from the introduction of corn (about 1000 BC) until early European contact. Prerequisites: ANTH 245/245L. (Alt S)
- **ANTH 462 Prehistory of Mexico and Middle America (3).** The prehistory of Mexico and Middle America. Prerequisites: ANTH 245/245L.
- ANTH 464 Hunter-Gatherer Archaeology of the Desert West
 (3). A seminar on pre-agricultural adaptations in the western
 U.S. (Great Basin, Southwest, Great Plains). Topically the course will cover paleoenvironments, culture history, technology and settlement and subsistence. Prerequisites:
 ANTH 245/245L. (Alt S)
- **ANTH 468 Workshop in Anthropology (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- ANTH/BIOL/CHEM/GEOL/PHYS 475 Scanning Electron Microscopy (2).
- **ANTH 481 Field Session (6).** Supervised field research in ethnology, archaeology, physical anthropology or paleoenvironmental studies. (Up to 4 hours in fieldwork may be used toward an undergraduate major in anthropology.) Prerequisites: consent of instructor; ANTH 245/245L (or equivalent). (Alt Su)
- **ANTH 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
 - a. Archaeology
 - b. Ethnology
 - c. Linguistics
 - d. Physical Anthropology
 - e. Technical/Topical
- **ANTH 492 History of Anthropology (3).** The development and role of anthropology within humanities and the social sciences. Prerequisites: ANTH 243, 247/247L.
- **ANTH 493 Topics in Anthropology (1–3).** As announced. (May be repeated for credit.) Prerequisite: consent of instructor.
- **ANTH 494 Analytic Techniques in Archaeology (3).** Laboratory and analytic procedures in material cultural analysis. (May be repeated for a maximum of 9 hours with consent of advisor; not more than 3 hours on any of the listed areas.) Prerequisite: consent of instructor. (Alt S)
 - a. Ceramics
 - b. Lithics
 - c. Geographical
 - d. Botanical
 - e. Technical/Topical
- **ANTH 495 Fundamentals of Archaeological Theory (3).** The development of archaeological theoretical frameworks from the 1500's through the 1960's. Prerequisites: ANTH 245/245L, 247/247L.
- ANTH 499 Senior Research Paper (1–2). Production of a research paper of publishable quality. Prerequisite: consent of instructor.

Art (ART)

All art courses except ART 165, 166, 364, 365 and 366 require two more contact hours per week than credit hours suggest. All four credit hour studio courses in Art require six contact hours of class per week.

- **ART 101 Beginning Drawing (3).** An introduction to the basic principles, materials, and skills of freehand drawing from life. The course synthesizes studies in representation, proportion, perspective, value and composition. (Open to non-art majors and minors.) (TBA)
- **ART 106 Design (3).** A two-dimensional exploration of the visual elements, principles of design and color through classroom application and experimentation. Included is an introduction to the arts. (Open to non-art majors.)
- **ART 131 Art Appreciation (3).** Introductory course exploring the visual arts. This lecture course surveys the role of arts in society. Emphasis on design principles and fine and applied arts. (F, S)
- **ART 145 Materials I (4).** Team-taught class introducing drawing (2-D), structure (3-D) and photography through a series of short problems. The emphasis is on solving technical problems with an introduction to design principles. (F)
- **ART 146 Materials II (4).** Team-taught class introducing more advanced drawing (2-D), structure (3-D) and photography techniques. The emphasis is on solving and perfecting technical problems and integrating various media while demonstrating design principles. Prerequisite: ART 145. (S)
- **ART 165 Art History I (4).** Survey of the art of prehistoric and historic people in Western and non-Western cultures through the 16th century with exploration of cultural traditions in art by examining the impact of social, political and economic organizations. (F)
- **ART 166 Art History II (4).** Concentrates on Western and non-Western artistic traditions from the 16th through the 20th century with exploration of cultural traditions in art by examining the impact of social, political and economic organizations. Prerequisite: ART 165 recommended. (S)

- **ART 199 Demonstration of Conceptual Development (1).** Oral and visual presentation to the art faculty and outside professionals including written documentation to assess students' abilities, artistic identity and future directions. (Must be taken each semester of freshman year. May be repeated for a maximum of two credits.) (Art majors only.) (F, S)
- **ART 205 Drawing (4).** Emphasis on developing skills of freehand drawing from observation and concept. The course synthesizes studies in representation, abstraction, proportion, perspective, color and composition using various media and techniques. Prerequisite: ART 146. (F)
- **ART 206 Human Figure (4).** Study of advanced drawing principles applied to the human form and its structure. Using a variety of materials, students work from live models concentrating on gesture, contour, proportion and modeling. Prerequisite: ART 205. (S)
- **ART 210 Photography I (3).** A basic course with emphasis on camera and darkroom techniques. A manual 35mm camera with adjustable lens is required for this course. (Lab fee)
- **ART 231 Beginning Ceramics (3).** Introduction to basic clay forming techniques including pinch, coil, slab, wheel throwing and glaze application. (Lab fee)
- **ART 245 Visual Concepts and Principles I (4).** Team-taught class exploring basic visual concepts and principles with 2-D and 3-D material. Through a series of problems students explore form, color and light, structure, space, perspective and organization. Prerequisite: ART 146. (F, S)
- **ART 246 Visual Concepts and Principles II (4).** Team-taught class exploring advanced visual concepts and principles with 2-D and 3-D material. Through a series of problems students explore form, color and light, structure, space, perspective and organization. Prerequisite: ART 245. (F, S)
- **ART 268 Workshop in Art (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **ART 271 Beginning Jewelry (3).** Techniques of jewelry making taken from the past as well as from contemporary methods of fabrication. Emphasis on development of individual technical skills and craftsmanship. (May be repeated for credit.) (Lab fee)
- **ART 293 Topics in Art (1–4).** As announced. (May be repeated for credit.) (TBA)
- **ART 299 Demonstration of Conceptual Development (1).** Oral and visual presentation to art faculty and outside professionals including written documentation to assess students' abilities, artistic identity and future directions. (Must be taken each semester of sophomore year.) (May be repeated for a maximum of two credits.) (Art majors only.) (F, S)
- **ART 345 Advanced Materials I (4).** A team-taught class emphasizing additive and subtractive processes and techniques using 3-D materials. Introduction to the use of hand and power tools with clay, wood, metal and plastics. Prerequisite: ART 146. (F)
- **ART 346 Advanced Materials II (4).** A team-taught class exploring advanced three dimensional techniques in clay, wood, metal and plastics. Emphasis on form, structure, model-making and fabrication. Prerequisite: ART 345. (S)
- **ART 364 Twentieth Century Art History (4).** A study of the development of modern art from the 1870's to the present. Presentation of artists, movements and innovative concepts that have molded modern art. (TBA)
- **ART 365 History of Design I (4).** Retrospective examination of design through exposure to culture, art, visual history, philosophy and evolution of visual thought. Students will analyze course material through art projects and written examinations. Prerequisite: ART 166. (F)

- **ART 366 History of Design II (4).** Modern examination of design through exposure to culture, art, visual history, philosophy and current visual thought. Students will analyze course material through art projects and written examinations. Prerequisites: ART 166; ART 365 recommended. (S)
- **ART 375 Introduction to Graphic Design (4).** Studio class introducing new tools and techniques. Increasingly complex assignments will determine student interest and aptitude for design. Topics: idea generating techniques, design principles, typography, lay-out, computer applications, trademark design. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 246. (F)
- **ART 376 Graphic Design Techniques (4).** Traditional techniques allow the designer to better understand current design techniques. Introduction to: silk-screen, air-brush, illustration, color pencil, marker rendering, halftone photography, preparing art for the printer, computer software. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 375. (S)
- **ART 395 Interdisciplinary Arts I (4).** Development of visual communication skills incorporating both 2-D and 3-D media emphasizing techniques, concepts, problem-solving, originality and understanding the historical context of the work. Assignments and independent projects. Prerequisite: ART 346. (F)
- **ART 396 Interdisciplinary Arts II (4).** Exploration of advanced 2-D and 3-D techniques and concepts. Emphasis on working as a professional artist including: grant writing, public art, presentation skills, research and resource utilization through assignments and independent projects. Prerequisite: ART 395. (S)
- **ART 399 Demonstration of Conceptual Development (1).** Oral and visual presentation to the art faculty and outside professionals including written documentation to assess students' abilities, artistic identity and future directions. (Must be taken each semester of junior year.) (May be repeated for a maximum of 2 credits.) (Art majors only.) (F, S)
- **ART 459 Computer Graphics and Animation (4).** Exploration of the creative possibilities of electronic imaging and 3/4 inch single frame video animation with concentration in: Paint, 3-D Modeling and Rendering, Photo-retouching, Multi-Media and Video Animation. (May be repeated for a maximum of 12 credits.) Prerequisite: ART 346. (F, S)
- **ART 460 Professional Practice Gallery Management (4).** Students produce and manage an on-going exhibition program. Emphasis on scheduling, publicity, care and physical handling of art work. Museum ethics are stressed including registration, cataloging, loans, purchases and acquisitions. (May be repeated for a maximum of 12 credits.) Prerequisite: ART 346. (F, S)
- **ART 468 Workshop in Art (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **ART 470 Professional Practice Catalog Design (4).** Students produce an art exhibition catalog. Emphasis is on real design problems related to budget and electronic design, problemsolving, creating camera-ready art and meeting deadlines. Prerequisite: ART 375. (May be repeated for a maximum of 8 credits.) (F)
- **ART 475 Publication Design (4).** Studio course taught completely on Macintosh. Students study the structure of magazines, annual reports, and brochures. Assignments include: typography, publication re-design, direct mail advertising and newsletter production. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 376. (F)

- **ART 476 Graphic Design Portfolio (4).** The application of design principles to magazine, book, packaging and self-promotion projects with professional portfolio development in mind. Finished portfolios will be reviewed by professional guest designers. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 475. (S)
- **ART 480 Professional Practice Electronic Press (4).** Professional electronic pre-press production facility where students create plate-ready art for university publications. Includes computer design, electronic and conventional halftone, stripping and color separation. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 375. (F, S)
- **ART 489 Internship in Art (3–12).** Full-time supervised work in art for a public or commercial institution. Nine hours maximum during a summer session; twelve hours maximum during a regular session. Prerequisites: 3.00 GPA in the major; internship application; consent of instructor.
- **ART 490 Professional Practice Magazine Production (4).** Students publish *New Mexico Photographer* magazine in a collaborative course involving writing, electronic design, advertising and photography and emphasizing publishing concerns related to budget, deadlines and organization. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 375. (S)
- **ART 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **ART 493 Topics in Art (1–4).** As announced. (May be repeated for credit.) (TBA)
- **ART 495 Interdisciplinary Arts III (4).** Rigorous examination and production of a body of work emphasizing personal expression and exploration. Students will focus on project criteria, specifications, deadlines, requirements, professional attitudes and written documentation. (Course may be repeated for up to 12 hours of credit, with permission of instructor. Repeating the course increases difficulty and may change the emphasis.) Prerequisite: ART 396. (F)
- **ART 496 Interdisciplinary Arts IV (4).** Continuation of a body of work with emphasis on portfolio development. The class emphasizes individuality, research, writing and developing a sophisticated approach to personal expression. (Course may be repeated for up to 12 hours of credit, with permission of instructor. Repeating the course increases difficulty and may change the emphasis.) Prerequisite: ART 495. (S)
- **ART 499 Demonstration of Conceptual Development (1).** Oral and visual presentation to the art faculty and outside professionals including written documentation to assess students' abilities, artistic identity and future directions. (Must be taken each semester of senior year.) (BFA senior show required second semester.) (May be repeated for a maximum of two credits.) (Art majors only.) (F, S)

Biology (BIOL)

- **BIOL 110 Introduction to Wildlife and Fisheries Sciences** (3). Introduction to fundamental principles of animal populations, communities and ecosystems, as well as the conservation and management of wild animals and their habitats. (S)
- **BIOL 113 Biology for General Education (3).** Principles of biology. Credit not applicable toward biology major or minor. (F, S)
- **BIOL 113L Biology for General Education Laboratory (1).** A two-hour laboratory per week to be taken in conjunction with BIOL 113. (F, S)

- **BIOL 151 General Biology I (3).** A survey of ecology and evolutionary biology leading to an introduction of the basic biology of animals, plants and micro-organisms. Serves as an introductory course for students majoring in biology. Concurrent enrollment: BIOL 151L. (F, S)
- **BIOL 151L General Biology I Laboratory (1).** Concurrent enrollment: BIOL 151. (F, S)
- **BIOL 152 General Biology II (3).** An introduction to subcellular and cellular mechanisms and organization of biological systems. Serves as an introductory course for students majoring in biology. Concurrent enrollment: BIOL 152L. (F, S)
- **BIOL 152L General Biology II Laboratory (1).** Concurrent enrollment: BIOL 152. (F, S)
- **BIOL 207 Applied Anatomy and Physiology (3).** An introductory level integrated course in anatomy and physiology for the non-science major. It introduces the student to the structure and function of the human body. Concurrent enrollment: BIOL 207L. (F)
- **BIOL 207L Applied Anatomy and Physiology Laboratory (1).** Concurrent enrollment: BIOL 207. (F)
- **BIOL 209 Anatomy and Physiology I (3).** Part of an integrated systems approach covering gross human anatomy, histology and physiological function. This section covers the musculo-skeletal system and control systems including the nervous system, the endocrine system and signal transduction. Concurrent enrollment: BIOL 209L. Prerequisites: BIOL 152/152L; CHEM 152/152L strongly recommended. (F)
- **BIOL 209L Anatomy and Physiology I Lab (1).** Concurrent enrollment: BIOL 209. (F)
- **BIOL 210 Anatomy and Physiology II (3).** Part two of an integrated systems approach covering gross human anatomy, histology and physiological function. This section covers the other major body systems including cardiovascular, respiratory, renal and gastrointestinal systems. Concurrent enrollment: BIOL 210L. Prerequisites: BIOL 209/209L. (S)
- **BIOL 210L Anatomy and Physiology II Lab (1).** Concurrent enrollment: BIOL 210. (S)
- **BIOL 214 Microbiology (3).** Fundamentals of microbiology: growth, metabolism, genetics of microbes; survey of microbes; control of microbes; host-microbe interactions; infectious diseases; environmental and applied microbiology. Concurrent enrollment: BIOL 214L. Prerequisites: BIOL 152/152L highly recommended. CHEM 151/151L recommended. (F, S)
- **BIOL 214L Microbiology Laboratory (1).** Laboratory practice in techniques of identification and growth of bacteria; practice in the use of selective and differential media. Concurrent enrollment: BIOL 214. Prerequisite: BIOL 152/152L strongly recommended. (F, S)
- **BIOL 216 General Botany (3).** Introduction to the physiology, morphology and diversity of plants. Topics include plant anatomy and transport, reproduction, photosynthesis, ecology and a broad overview of the diversity of the land plants. Prerequisites: BIOL 151/151L. (S)
- **BIOL 222 Cell Biology (3).** Origin and function of living systems, cellular structure and physiology, energetics and metabolism, differentiation, multicellular systems. Prerequisites: BIOL 151/151L, 152/152L. (F)
- **BIOL 231 Genetics (3).** Mendelian patterns of inheritance, cytogenetics and basic molecular biology. Prerequisites: BIOL 152/152L. (F, S)
- **BIOL 268 Workshop in Biology (1–3).** As announced. (May be repeated for a maximum of 4 hours.)
- **BIOL 293 Topics in Biology (1–3).** As announced. (May be repeated for credit.)

- **BIOL 300 Invertebrate Zoology (3).** The morphology, physiology, ecology, reproduction and life habits of selected invertebrate phyla. Concurrent enrollment: BIOL 300L. Prerequisites: BIOL 151/151L. (F)
- **BIOL 300L Invertebrate Zoology Laboratory (1).** Concurrent enrollment: BIOL 300. (F)
- **BIOL 301 General Entomology (3).** Morphology, biology and ecology of insects. Concurrent enrollment: BIOL 301L. Prerequisites: BIOL 151/151L. (Alt F)
- **BIOL 301L General Entomology Laboratory (1).** Concurrent enrollment: BIOL 301. (Alt F)
- BIOL/GEOL 302 Invertebrate Paleontology (3). (Alt F)
- BIOL/GEOL 302L Invertebrate Paleontology Laboratory (I) (Alt F)
- **BIOL 303 General Ecology (3).** Study of the interactions that determine the distribution and abundance of organisms, including physical and biotic factors, population dynamics, intraspecific and interspecific relationships, community structure and ecosystems. Concurrent enrollment: BIOL 303L. Prerequisites: BIOL 151/151L, 231; STAT 213 highly recommended. (F)
- **BIOL 303L General Ecology Laboratory (1).** Concurrent enrollment: BIOL 303. (F)
- **BIOL 305 Evolution and Systematics (3).** Fundamentals of evolutionary processes and the interpretation of phylogenetic patterns. Prerequisites: BIOL 151/151L. (Alt S)
- **BIOL 307 Vertebrate Zoology (3).** The comparative morphology, ecology, and evolution of fishes, amphibians, reptiles, birds and mammals. Concurrent enrollment: BIOL 307L. Prerequisites: BIOL 151/151L. (Alt F)
- **BIOL 307L Vertebrate Zoology Laboratory (1).** Concurrent enrollment: BIOL 307. (Alt F)
- **BIOL 341 Parasitology (3).** Morphology, taxonomy, life history, ecology and epidemiology of parasites with emphasis on species parasitic on or in humans. Concurrent enrollment: BIOL 341L. Prerequisites: BIOL 151/151L. (S)
- **BIOL 341L Parasitology Laboratory (1).** Concurrent enrollment: BIOL 341. (S)
- **BIOL 375 General Biotechnology (3).** Basic principles of biotechnology and its applications to medicine, agriculture and industry. Emphasis is placed on gene cloning, protein expression, cell culture and other related recombinant DNA technology. Prerequisites: BIOL 151/151L, 152/152L, 222.
- **BIOL 380 Endocrinology (3).** Basic structure and functions of endocrine glands; mechanisms of action of hormones; hormonal control of development and reproduction in vertebrates with an emphasis on humans. Prerequisites: BIOL 152/152L, 209/ 209L, 375. (Alt F)
- BIOL 404 Fisheries Management (3). Theory, methods and philosophy of fisheries management emphasizing sport and commercial fisheries, aquaculture and endangered species. Occasional field trips scheduled. Concurrent enrollment: BIOL 404L. Prerequisites: BIOL 151/151L, 303/303L; STAT 213. (Alt F)
- BIOL 404L Fisheries Management Laboratory (1). Concurrent enrollment: BIOL 404. (Alt F)
- **BIOL 405 Wildlife Management (3).** Theory, methods and philosophy of wildlife management emphasizing game, non-game and endangered species. Concurrent enrollment: BIOL 405L. Prerequisites: BIOL 231, 303/303L, 307/307L. (Alt S)
- **BIOL 405L Wildlife Management Laboratory (1).** Concurrent enrollment: BIOL 405. (Alt S)

- **BIOL 409 Microbial Physiology (3).** Physiological, metabolic and nutritional characteristics of micro-organisms. Concurrent enrollment: BIOL 409L. Prerequisites: BIOL 214/214L. (Alt F)
- **BIOL 409L Microbial Physiology Laboratory (1).** Concurrent enrollment: BIOL 409. (Alt F)
- **BIOL 410 Plant Systematics (3).** An introduction to the principles of classification within the plant kingdom including methods of collection and preservation and the process of identifying unknown plant materials. Concurrent enrollment: BIOL 410L. Prerequisites: BIOL 216. (F)
- **BIOL 410L Plant Systematics Laboratory (1).** Concurrent enrollment: BIOL 410. (F)
- **BIOL 411 Herpetology (3).** Biology and classification of amphibians and reptiles. Occasional field trips. Concurrent enrollment: BIOL 411L. Prerequisites: BIOL 151/151L, 152/ 152L. (Alt S)
- **BIOL 411L Herpetology Laboratory (1).** Concurrent enrollment: BIOL 411. (Alt S)
- **BIOL 415 Plant Physiological Ecology (3).** Life processes of plants and their response to environment, including water relations, mineral nutrition, photosynthesis and respiration. Concurrent enrollment: BIOL 415L. Prerequisite: BIOL 216. Alt S)
- BIOL 415L Plant Physiological Ecology Laboratory (1). Concurrent enrollment: BIOL 415. (Alt S)
- **BIOL 418 Medical Entomology (3).** An introduction to 1) the roles of insects and other arthropods in the direct causation of disease in humans and animals; 2) roles of insects as vectors of disease organisms and 3) epidemiology and replication cycles of vector-borne pathogens of major medical importance. Prerequisites: BIOL 301/301L or 341/341L recommended. (Alt S)
- **BIOL 420 Plant Structure and Function (3).** An introduction to the morphological, physiological and ecological diversity of chlorophyll-based, photosynthetic life on earth, ranging from unicellular algae to flowering plants. Concurrent enrollment: BIOL 420L. Prerequisite: BIOL 216. (Alt S)
- **BIOL 420L Plant Structure and Function Laboratory (I).** Concurrent enrollment: BIOL 420. (Alt S)
- **BIOL 421 Principles of Immunology (3).** Host-parasite relationships and mechanisms of immunity. Concurrent enrollment: BIOL 421L. Prerequisites: BIOL 214/214L. (Alt F)
- **BIOL 421L Principles of Immunology Laboratory (1).** Immunochemical techniques widely used in immunology laboratories. Concurrent enrollment: BIOL 421. (Alt F)
- **BIOL 422 Medical Microbiology (3).** Micro-organisms involved in disease; medical microbiology identification, symptomatology, vectors and pathology. Concurrent enrollment: BIOL 422L. Prerequisites: BIOL 214/214L recommended. (Alt F)
- **BIOL 422L Medical Microbiology Laboratory (1).** Concurrent enrollment: BIOL 422. (Alt F)
- **BIOL 424 Advanced Human Physiology (3).** An in-depth look at human physiological systems with particular emphasis on current research and system pathology. Recommended for premed and health science students. Concurrent enrollment: BIOL 424L. Prerequisites: BIOL 209/209L, 210/210L. (Alt S)
- BIOL 424L Advanced Human Physiology Laboratory (I). Concurrent enrollment: BIOL 424. (Alt S)
- **BIOL 425 Molecular Biology (3).** Nucleic acid chemistry, recombinant DNA technology and gene cloning. Concurrent enrollment: BIOL 425L. Prerequisite: BIOL 222 or 375. (S)

- **BIOL 425L Molecular Biology Laboratory (1).** Experimental techniques in isolating and manipulating DNA and RNA, bacterial growth and transformation and protein expression, purification and analysis. Concurrent enrollment: BIOL 425. Prerequisite: BIOL 222 or 375. (S)
- **BIOL 427 Developmental Biology (3).** Biology and genetic control of reproduction and development of the embryo. Concurrent enrollment: BIOL 427L. Prerequisites: BIOL 375, 425/425L. (Alt F)
- **BIOL 427L Developmental Biology Laboratory (1).** Concurrent enrollment: BIOL 427. (Alt F)
- **BIOL 430 Limnology and Freshwater Biology (3).** Study of freshwater habitats and the ecology, distribution and identification of common freshwater organisms of the Southwest. Occasional field trips. Concurrent enrollment: BIOL 430L. Prerequisites: BIOL 151/151L, 303/303L. (Alt S)
- **BIOL 430L Limnology and Freshwater Biology Laboratory** (1). Concurrent enrollment: BIOL 430. (Alt S)
- **BIOL 431 Mammalogy (3).** Biology and classification of mammals. Occasional weekend field trips scheduled. Concurrent enrollment: BIOL 431L. Prerequisites: BIOL 151/151L, 152/ 152L. (Alt F)
- **BIOL 431L Mammalogy Laboratory (1).** Concurrent enrollment: BIOL 431. (Alt F)
- **BIOL 433 Neurobiology (3).** An in-depth look at the function of the human nervous system including current research techniques such as model systems utilizing genetics, advanced electrophysiology and optical imaging of neuronal function. Concurrent enrollment: BIOL 433L. Prerequisites: BIOL 209/ 209L, 210/210L. (Alt S)
- BIOL 433L Neurobiology Lab (1). Concurrent enrollment: BIOL 433. (Alt S)
- **BIOL 436 Ichthyology (3).** Biology and classification of fishes. Occasional field trips. Concurrent enrollment: BIOL 436L. Prerequisites: BIOL 151/151L, 152/152L. (Alt F)
- **BIOL 436L Ichthyology Laboratory (1).** Concurrent enrollment: BIOL 436. (Alt F)
- **BIOL 439 Teaching in Biology (1).** Methods resources, safety and lesson plans in teaching biology lecture and laboratory. Prerequisites: junior or senior standing; enrollment for general science licensure or consent of instructor. (F)
- **BIOL 441 Internship in Laboratory Instruction (3).** Hands-on preparation, presentation and evaluation of a biology laboratory. Involves close supervision and coordination with supervising faculty member. Prerequisites: 3.20 GPA; senior status; departmental approval.
- **BIOL 442 Ornithology (3).** Biology and classification of birds. Occasional field trips scheduled. Concurrent enrollment: BIOL 442L. Prerequisites: BIOL 151/151L, 152/152L. (Alt S)
- **BIOL 442L Ornithology Laboratory (1).** Concurrent enrollment: BIOL 442. (Alt S)
- **BIOL 450 Virology (3).** Characteristics, structure, identification and clinical relevance of viruses. Concurrent enrollment: BIOL 450L. Prerequisites: BIOL 214/214L. (Alt S)
- **BIOL 450L Virology Laboratory (1).** Techniques in classical, molecular and medical virology. Concurrent enrollment: BIOL 450. (Alt S)
- **BIOL 460 Landscape Ecology and GIS (3).** An introduction to the study of large-scale ecological patterns and processes, including examination of spatial heterogeneity at the landscape level and practical use of Geographic Information Systems (GIS) to analyze and predict landscape patterns. Concurrent enrollment: BIOL 460L. Prerequisites: BIOL 151/151L, 303/ 303L. (Alt S).

- **BIOL 460L Landscape Ecology and GIS Laboratory (1).** Concurrent enrollment: BIOL 460. (Alt S)
- **BIOL 465 Senior Research (1–4).** An independent, in-depth study of some biological problem. A finished paper (in standard research form), subject to review and approval by the discipline, is required. (May be repeated for a maximum of 4 hours) Prerequisites: senior science major and consent of instructor.
- **BIOL 468 Workshop in Biology (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **BIOL/ANTH/CHEM/GEOL/PHYS** 475 Scanning Electron Microscopy (2).
- **BIOL 480 Medical Technology Practicum (16).** Practical and technical training in medical technology. Open only to students majoring in MedTech who have completed all prerequisites. Students are responsible for securing admission into off-campus program. (May be repeated once to complete year's work toward MedTech degree.) Prerequisite: consent of instructor.
- **BIOL 489 Pre-professional Internship (1–3).** Practical experience working in an appropriate area of biology with a cooperating external agency or institution. Prerequisite: departmental or agency approval.
- BIOL 491 Directed Study (1–3). Independent study. (May be repeated for a maximum of 4 hours.) (F, S, Su) a. Biology
 b. Wildlife and Fick series Sciences

b. Wildlife and Fisheries Sciences

- **BIOL 492 Undergraduate Seminar (1).** Selected topics of biology. (May be repeated for a maximum of 2 hours.)
- **BIOL 493 Topics in Biology (1–3).** As announced. (May be repeated for credit.)
- **BIOL 495 Biology Field Trip (1–3).** Intersession, vacation or summer session excursions to a variety of distant biological environments. Prerequisite: consent of instructor. (F)

Business Administration (BUS)

- **BUS 151 Introduction to Business (3).** The basic nature of business in an essentially market-disciplined economic system: the interdisciplinary nature of business and broad administrative principles governing organized human endeavor. (F, S)
- **BUS 293 Topics in Business (1–3).** As announced. (May be repeated for a maximum of 6 credits with consent of instructor and advisor.)
- **BUS 302 Comparative Law: A Comparison of the Different** Legal Systems in the World (3). This course will survey the major legal traditions around the world in an effort to allow students to understand the diversity of other cultures, as represented through their legal systems. (TBA)
- **BUS 305 Entrepreneurship (3).** Small business problems and applications emphasizing innovation, management, planning, budgeting, financing, controlling, marketing, taxes and government regulations. Developing, evaluating and funding opportunities for innovation, growth and expansion. Prerequisites: ACCT 211, 212; BUS 151; CIS 151; ECON 221, 222; MKT 301. (TBA)
- **BUS 310 Global Business (3).** This course will focus on the impact of business on a culturally and economically diverse world as governments and the private sector address real-time problems crossing political and geographic boundaries. Prerequisite: ENG 104. (F, S)
- **BUS 315 Business Law I (3).** Development and classifications of law, legal rights, contracts, agencies, negotiable instruments. Prerequisite: ENG 104. (F, S)

- **BUS 316 Business Law II (3).** Legal rights and liabilities of the principal and surety, insurer and insured, bailor and bailee, carrier and shipper, vendor and vendee, partnership and partner, corporation and stockholder, mortgagor and mortgagee, landlord and tenant, creditor and bankruptee. Prerequisite: a grade of "C" or better in BUS 315. (S)
- **BUS 330 Production and Operations Management (3).** An introduction to the design and analysis of operating systems in manufacturing and service organizations. Concepts focus on the transformation and distribution of economic factors of goods and services. Quantitative decision tools will be examined. Prerequisites: BUS 151; MGT 313; STAT 213. (F, S)
- **BUS 381 Business Research and Analysis (3).** Applied business statistics and research techniques relevant to business decision making. Prerequisites: BUS 151; ECON 221; STAT 213. (F)
- **BUS 431 Issues in International Business (3).** Environmental, economic, political and social constraints on doing business abroad; effects of overseas business investments on domestic and foreign economies; foreign market analysis and operational strategy of the firm; and management problems and development of potential international operations. Prerequisites: FIN 311; MKT 301. (TBA)
- **BUS 450 Employment Discrimination Law (3).** Analyzes employer-employee relationship, employer liability, theories of discrimination, major employment legislation, cases and regulations. Recognizing and avoiding discrimination based on age, sex, color, race, national origin, religion and disability. Prerequisites: BUS 315; MGT 313. (TBA)
- **BUS 453 Business Strategy and Policy (3).** Emphasis is on approach and methodology for strategic planning and policy development. Policy formulation and administration for the total organization involves integration of accounting, economics, finance, personnel and production management, and marketing discipline competencies in decision processes. Prerequisites: final semester senior standing only. Must have satisfactorily completed business administration core requirements with a grade of "C" or higher. (F, S, Su)
- **BUS 489 Internship (1–3).** Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: 3.00 cumulative GPA; instructor and college approval. (TBA)
- **BUS 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours with consent of instructor and department.) Prerequisites: 3.00 cumulative GPA; instructor and college approval. (TBA)
- **BUS 493 Topics (1–3).** As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisites: consent of instructor. (TBA)

Business Education (BED)

- **BED 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: BUS 151; 3.00 GPA; approval of the instructor.
- **BED 493 Vocational Business/Marketing Education (1–3).** As announced. (May be repeated for a maximum of 4 credits with consent of instructor.) Prerequisite: BUS 151.

Chemistry (CHEM)

- **CHEM 113 Chemistry for Today (3).** A non-mathematical approach to chemistry for non-science majors; chemistry of the real world and its role in modern technology and its effect on quality of life. CHEM 113L is not required. (F, S)
- **CHEM 113L Chemistry for Today Laboratory (1) (Optional).** Hands-on experience with common chemicals. Designed with science education component. If students withdraw from CHEM 113 lecture, they must withdraw from the lab. (F, S)
- **CHEM 151 General Chemistry I (3).** Basic laws and principles of chemistry, part I: metric units, scientific notation, periodic table, gas laws, chemical equations, thermodynamics, atomic and molecular structure, and bonding. Students withdrawing from this course must receive instructor's permission to retain CHEM 151L. Prerequisite: MATH 119 or two years high school algebra recommended. Concurrent enrollment: CHEM 151L. (F)
- **CHEM 151H General Chemistry I Honors Seminar (1).** Special projects and advanced concepts in General Chemistry I. Prerequisite: qualifying score on chemistry placement examination or consent of instructor. Concurrent enrollment: CHEM 151. (F)
- **CHEM 151L General Chemistry I Laboratory (1).** Basic general chemical laboratory techniques. Students withdrawing from CHEM 151 may retain this course only with instructor's permission. Concurrent enrollment: CHEM 151. (F)
- **CHEM 152 General Chemistry II (3).** Basic laws and principles of chemistry, part II: liquids, solids, solutions, reaction rates and mechanisms, equilibrium, acids and bases, oxidation/ reduction and advanced topics. Students withdrawing from this course must receive instructor's permission to retain CHEM 152L. Prerequisites: CHEM 151/151L. Concurrent enrollment: CHEM 152L. (S, SU)
- **CHEM 152H General Chemistry II Honors Seminar (1).** Special projects and advanced concepts in General Chemistry II. Prerequisites: Completion of CHEM 151/151H with final grades of "A" or "B" or consent of instructor. Concurrent enrollment: CHEM 152. (S)
- **CHEM 152L General Chemistry II Laboratory (1).** Laboratory techniques in chemical principles and phenomena. Students withdrawing from CHEM 152 may retain this course only with instructor's permission. Concurrent enrollment: CHEM 152. (S, SU)
- **CHEM 233 Quantitative Analysis (3).** Error analysis, acid-base titrations, gravimetry, redox titrations, complexometric titrations, visible spectroscopy, atomic spectroscopy, etc.; theory and methods. Prerequisites: CHEM 152/152L. Concurrent enrollment: CHEM 233L. (S)
- **CHEM 233L Quantitative Analysis Laboratory (1).** Techniques and approaches to quantitative chemical analysis. Prerequisites: CHEM 152/152L. Concurrent enrollment: CHEM 233. (S)
- **CHEM 251 Integrated Organic and Biochemistry (3).** Chemistry of carbon compounds, functional groups, biomolecules, macromolecules, energy and material metabolism, molecular genetics and diseases, and biotechnology. This course is designed for students needing a one-semester survey of these fields and may not be used to satisfy chemistry major or minor requirements. Prerequisites: CHEM 151/151L or equivalent. Concurrent enrollment: CHEM 251L. (S)

- CHEM 251L Integrated Organic and Biochemistry Laboratory (1). Basic techniques in beginning organic and biochemistry, including properties and reactions of common organic and biological compounds. May not be used to satisfy chemistry major or minor requirements. Three hours laboratory per week. Prerequisites: CHEM 151/151L or equivalent. Concurrent enrollment: CHEM 251. (S)
- CHEM 268 Workshop in Chemistry (1–3). As announced. (May be repeated for maximum of 4 hours credit.)
- **CHEM 293 Topics in Chemistry (1–3).** As announced. (May be repeated for credit if topics are different.)
- **CHEM 321 Inorganic Chemistry (3).** Nomenclature, theory, structural, spectroscopic, chemical and physical properties of inorganic substances. Prerequisites: CHEM 233/233L. Concurrent enrollment: CHEM 321L. (F)
- **CHEM 321L Inorganic Chemistry Laboratory (1).** Inorganic synthesis and analysis. Three hours laboratory per week. Prerequisites: CHEM 233/233L. Concurrent enrollment: CHEM 321. (F)
- **CHEM 341 Organic Chemistry I (3).** Hybrid orbitals, chemical bonds, chemistry of alkanes, alkenes, alkynes, optical activity, and introduction to spectroscopy (IR, MS). Credits from CHEM 251 may not be used to satisfy chemistry major or minor requirements. Prerequisites: CHEM 152/152L. Concurrent enrollment: CHEM 341L. (F)
- **CHEM 341L Organic Chemistry I Laboratory (1).** Three laboratory hours per week. Credit from CHEM 251L may not be used to satisfy chemistry major or minor requirements. Concurrent enrollment: CHEM 341. (F)
- **CHEM 342 Organic Chemistry II (3).** Aromaticity, electrophilic substitution, NMR and UV spectroscopy, organometallics, alcohols, phenols, ethers, aldehydes, ketones, carboxylic acids, amines, dicarbonyl compounds, carbohydrates, amino acids and proteins. Credit from CHEM 251, may not be used to satisfy chemistry major or minor requirements. Prerequisites: CHEM 341/341L. Concurrent enrollment: CHEM 342L. (S)
- **CHEM 342L Organic Chemistry II Laboratory (1).** Three laboratory hours per week. Credit from CHEM 251L, may not be used to satisfy chemistry major or minor requirements. Prerequisites: CHEM 341/341L. Concurrent enrollment: CHEM 342. (S)
- **CHEM 401 Biochemical Methods (1).** An integrated biochemical analysis laboratory covering dialysis, centrifugation, ultracentrifugation, electrophoresis, isoelectric focusing, gel filtration, ion-exchange chromatography. Prerequisite: CHEM 452 or equivalent or concurrent enrollment in CHEM 452. Concurrent enrollment: CHEM 401L. (S)
- **CHEM 401L Biochemical Methods Laboratory (1).** Prerequisite: CHEM 452. Concurrent enrollment: CHEM 401. (S)
- **CHEM/PHYS 411 Physical Chemistry /Thermodynamics (3).** Thermodynamic and an introduction to statistical mechanics and kinetics, applications to atomic and molecular systems. Prerequisites: CHEM 152; PHYS 201 OR 151 and MATH 132. Recommended: PHYS 202, MATH 202, and CHEM 233/L. (F)
- **CHEM 411L Physical Chemistry Laboratory I (1).** Prerequisite CHEM 411 or concurrently enrollment. (F)
- **CHEM 412 Physical Chemistry/Quantum Mechanics (3).** An introduction to quantum mechanics and spectroscopy with applications to atomic and molecular systems. Prerequisites: MATH 202 and PHYS 201 or 151. Recommended: PHYS 202. (S)
- **CHEM 412L Physical Chemistry Laboratory II (1).** Prerequisites: CHEM 411/L and CHEM 412 or concurrent enrollment in CHEM 412 or consent of instructor. (S)

- **CHEM 422 Advanced Inorganic Chemistry (3).** Physical chemistry principles applicable to inorganic systems. Prerequisites: CHEM 412/412L. (S)
- **CHEM 439 Teaching in Chemistry (1).** Methods, resources, safety and lesson plans in teaching chemistry lecture and laboratory. Prerequisites: CHEM 151/151L, 152/152L; senior standing with major or minor in science; consent of instructor. Open only to students working toward teaching licensure. Concurrent enrollment: GEOL 439; PHYS 439. (F)
- **CHEM 442 Advanced Organic Chemistry (3).** Survey of reactions and techniques of modern organic syntheses (pharmaceuticals and natural products) including methods of characterization and use of the chemical literature. Prerequisites: CHEM 342/342L. (Alt F)
- **CHEM 450 Instrumental Analysis (4).** Survey of advanced analytical techniques and analytical method development, focusing on hands-on training with modern instruments in spectroscopy, separation, and electroanalytical techniques. Prerequisites: CHEM 233/233L, 342/342L. (F)
- **CHEM 452 Biochemistry (3).** The chemistry and metabolism of biomolecules. Recommended for all chemistry majors, premed and students interested in molecular biology. Not a continuation of CHEM 251. Prerequisites: CHEM 342/342L, 412/412L. (F)
- **CHEM 453 Advanced Biochemistry (3).** A study of metabolic pathways including, biosynthesis and degradation of cellular components, biosynthesis of secondary metabolites, and degradation of xenobiotic materials. Prerequisites: CHEM 452 or equivalent. (S)

CHEM/GEOL 454 Geochemistry (3).

- **CHEM 466 Molecular Modeling and Informatics (3).** Principles of "data mining," molecular modeling (algorithms, software), visualization of chemical information and use of high-speed computer systems for computation of the dynamics and properties of complex materials. Prerequisites: CHEM 412/ 412L. (Alt S)
- **CHEM 468 Workshop in Chemistry (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **CHEM 470 Investigative Problems (1–4).** Independent study or research of some chemical problems. Three hours laboratory weekly per credit hour. Three credit hours required of all professional chemistry majors. Student must pre-arrange project with instructor before enrollment. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor. (F, S)
- CHEM/ANTH/BIOL/GEOL/PHYS 475 Scanning Electron Microscopy (2).
- **CHEM 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **CHEM 492 Undergraduate Seminar (1).** Selected topics in chemistry to be presented by students: literature search, techniques in development and presentation of topics. Students are required to attend other seminars. (May be repeated for a maximum of 2 hours.) (F, S)
- **CHEM 493 Topics in Chemistry (1–3).** As announced (May be repeated for credit if topics are different.)
- **CHEM 495 Senior Chemistry Review (1).** Comprehensive, integrated capstone review of chemical concepts and assessment of student competence. Required for all chemistry majors. Prerequisite: senior standing in Plan I or Plan II chemistry degree program. (S or U) (F, S)

Communication (COMM)

- **COMM 101 Interpersonal Communication (3).** Development of communication skills necessary for effective interaction with persons on an interpersonal level and in small groups; theoretical dimensions of interpersonal communication; provides opportunities for practical application. Concurrent enrollment: COMM 101L.
- **COMM 101L Interpersonal Communication Laboratory** (NC). Concurrent enrollment: COMM 101.
- **COMM 102 Public Speaking (3).** Training in composition of informative and persuasive discourse with emphasis on the use of evidence, reasoning, delivery skills and audience analysis.
- **COMM 103 Introduction to Mass Communication (3).** General history and current trends in mass media; various types of mass media, investigation of opportunities and requirements of the industries.
- **COMM 110 Beginning Television Production (3).** Introduction to the principles and techniques of studio production for television. This includes producing, directing, camera, lighting, switching, sound and graphic design. Course covers the technical and creative aspects of the television production process. Concurrent enrollment: COMM 110L.
- **COMM 110L Beginning Television Production Laboratory** (NC). Concurrent enrollment: COMM 110.
- **COMM 202 Dynamics of Group Behavior (3).** Principles and practices of effective participation in small group discussions, with emphasis on improvement of critical thinking, problem solving, organization skills and group cooperation methods.
- **COMM 203 News Writing (3).** Principles of writing news and feature stories (computer assisted). Prerequisites: ENG 102; COMM 103. Concurrent enrollment: COMM 203L.
- **COMM 203L News Writing Laboratory (NC).** Concurrent enrollment: COMM 203.
- **COMM 210 Audio Production (3).** Basic orientation of principles and techniques of radio and television audio production equipment. Course includes technical and creative use of microphones, mixing consoles, music, sound effects and recorders for radio, television and film sound tracks. Concurrent enrollment: COMM 210L.
- **COMM 210L Audio Production Laboratory (NC).** Concurrent enrollment: COMM 210.
- **COMM 212 Introduction to Digital Photography (3).** Basics of digital photography to be used in media covered. Topics include: camera operation, software application, framing, news value and legal and ethical considerations.
- **COMM 220 Intermediate Television Production (3).** Emphasis on electronic field production (EFP/ENG) and post-production editing. Principles and techniques of single-camera field production for television including camera, lenses, lighting and directing. Editing sequence includes continuity editing for informational and dramatic television forms. Lab fee required. Prerequisite: COMM 110/110L. Concurrent enrollment: COMM 220L.
- **COMM 220L Intermediate Television Production Laboratory (NC).** Concurrent enrollment: COMM 220.
- **COMM 223 Voice and Performance (3).** Techniques of broadcast announcing, voice development, microphone techniques and practical experience with various materials in broadcast situations.
- **COMM 231 Argumentation Theory (3).** Logical analysis and discourse with an emphasis on argumentative structure and organization focusing on value and policy propositions.

- **COMM 250 Techniques of Listening (3).** Students learn principles and techniques of listening to improve their concentration level, interpersonal relationships and job effectiveness. Attitudes, behaviors and habits of effective listening are explored.
- **COMM 260 Public Relations (3).** Introduction to the theory and practice of public relations. Study of its functions in organizations, society, issues, concepts and theories. Emphasis on practical applications.
- **COMM 268 Workshop in Communication (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **COMM 293 Topics in Communication (1–3).** As announced. (May be repeated for credit.)
- **COMM 300 Introduction to Communication Theory (3).** Overview of theories in interpersonal, mass and speech communication with an emphasis on analysis and application of the theoretical principles covered. Prerequisites: COMM 101/101L or 102; 103.
- **COMM 301 Principles and Practices of Communication Research (3).** Introduction to the methods used in interpersonal and mass communication research. The course covers writing surveys, leading focus groups and conducting ethnographic research. Analyzing and presenting data will also be discussed. Prerequisites: COMM 101/101L or 102; 103.
- **COMM 302 Electronic News Gathering (3).** Field preproduction, production and post-production. Includes script preparation, equipment, editing, reporting and other areas. Non-linear and digital techniques emphasized. Prerequisites: COMM 110/110L, 220/220L, 327.
- **COMM 303 Public Relations Techniques (3).** Class focuses on the skills and techniques involved in writing for PR (including press releases, newsletters, annual reports and advertising copy), copy dissemination, media use, media network and design. Prerequisites: COMM 203/203L, 260.
- **COMM 304 Reporting (3).** Techniques in reporting basic news stories, news features and profiles. Emphasis on writing, sources and interviewing (computer-assisted instruction). Prerequisites: COMM 103, 203/203L.
- **COMM 305 Copy Editing (3).** Copy reading and computer editing (computer-assisted instruction). Emphasis on grammar and AP style. Prerequisites: COMM 203/203L.
- **COMM 306 Communication Design (3).** Emphasizes type, typography, styles of page design and editing photos for newspapers and newsletters. Prerequisite: COMM 203/203L.
- **COMM 307 Public Relations Design (3).** Emphasizes communication design principles and techniques for media kits, annual reports, brochures, business packages and other public relations materials. Prerequisite: COMM 203/203L.
- **COMM 310 Popular Culture (3).** Combines rhetorical criticism and critical studies as applied to the development and the interrelationship between popular culture and the advances in communication technology, programming and content. Fulfills upper-division General Education requirement.
- **COMM 327 Broadcast Journalism (3).** Writing of radio and television news, features and documentaries at the local and network levels (computer-assisted instruction). Prerequisites: COMM 110/110L, 203/203L.
- **COMM 328 Producing and Planning the Television Series (3).** The television series production process, from script breakdown through budgeting, art, direction, casting and scheduling. Students will plan and produce the pilot of a dramatic or comedic television series. Prerequisites: COMM 110/110L, 220/220L.

- **COMM/PSCI 330 Power Games: Politics and Media (3).** Focus on political uses of the mass media to shape social values. Case studies and discussions of contemporary global issues will investigate the interplay of influence among politics/ media/government. (Su)
- **COMM 331 Intercultural Communication (3).** Explores the cultural differences of individuals and their effects on communication. The course emphasizes improving skills necessary for satisfactory intercultural interaction. Fulfills upper-division General Education requirements.
- **COMM 334 Persuasive Communication (3).** Techniques and principles of how individuals influence others. The course will emphasize both oral and written communication including editorial, campaigns, sales, social movements and speeches. Prerequisites: COMM 101/101L, 102 or 202.
- **COMM 335 Script Writing for Electronic Media (3).** Writing for broadcast commercials, public service, feature news and documentary, industrial and dramatic programming. Prerequisites: COMM 110/110L, 203/203L.
- **COMM 338 Intercollegiate Forensics (1).** For students actively preparing for and participating in intercollegiate debate and individual contest speaking. (May be repeated for a maximum of 8 hours.)
- **COMM 340 Sports Communication (3).** Introduction to the field of sports writing and broadcast. Students will have a variety of assignments ranging from general sports coverage to play-by-play reporting of athletic events. Prerequisite: COMM 203/203L.
- **COMM 344 Mass Communication Workshop (2).** A graduated laboratory for students: practical experience in all phases of radio and television broadcasting. Lab fee required. (May be repeated for a maximum of 8 hours.) Prerequisites: COMM 103, 110/110L, 203/203L, 220.
- **COMM 350 Media Advertising and Sales (3).** The history, theory, role and process of advertising and sales in the media. Prerequisites: COMM 103, 203/203L.
- **COMM 355 Techniques of Job Interviewing (3).** Students learn the principles and strategies necessary to be successful in the job interview. Major areas include: self-exploration, career development, types of job interviews, how to handle questions, researching companies, resumes, credibility, nonverbal communication, salary negotiation and personal selling strategies.
- **COMM 380 Nonverbal Communication (3).** Principles, practices and functions of various types of nonverbal communication are explored and observed. Major topics include kinesics, environment, territoriality, proxemics, paralanguage, appearance and time.
- **COMM 390 Rhetorical Theory (3).** Rhetorical theory from Aristotle, Cicero and Quintilian to modern rhetorical principles; the relationship of classical rhetoric to that of modern theories of communication are explored. Prerequisites: COMM 101/ 101L, 102 or 202 or 401.
- **COMM 401 Editorial Writing (3).** Techniques of editorial writing with emphases on logical thinking; writing and researching editorials; interpreting the news for print, online, broadcast; and practice writing reviews and criticisms. Prerequisites: COMM 203/203L, 304.
- **COMM 402 Magazine Writing (3).** Writing for magazines and messages for various consumer print media. Study of magazine markets and selling techniques for the freelance writer. Prerequisites: COMM 203/203L.

- **COMM 403 Computer Assisted Reporting (3).** A systematic approach to investigative reporting using computer and internet technologies. Emphasis is on in-depth reporting. Includes web publishing. Prerequisites: COMM 203/203L, 304.
- **COMM 404 Online Communication (3).** The convergence of print, audio and video on the Internet. Current practices and future possibilities of online journalism. Characteristics of the Web that distinguish it from traditional media. Prerequisites: COMM 203/203L.
- **COMM 412 Photojournalism (3).** Photos as effective tools of communication: includes news, features and photo essay. Photo page layout and cut line writing covered. Lab fee required. Prerequisite: COMM 212. Concurrent enrollment: COMM 412L.
- **COMM 412L Photojournalism Laboratory (NC).** Concurrent enrollment: COMM 412.
- **COMM 414 Mass Media Law (3).** A study of the development of mass media law with an emphasis on case studies in such areas as the First Amendment, libel, copyright and privacy. Prerequisite: junior standing. Prerequisite: COMM 300.
- **COMM 415 Ethics of Public Communication (3).** Discussion of a variety of issues in ethical theory as it bears on the practice of public communication. Case studies from all fields of communication. Prerequisites: COMM 300; senior standing.
- **COMM 420 Documentary Writing and Production (3).** The pre-production, production and post-production of television documentaries. Prerequisites: COMM 203/203L or 335, 220/220L.
- **COMM 422 Directing for Television (3).** Advanced planning and production of television programs with emphasis on direction, with practical experience in directing various types of television programs. Prerequisite: COMM 328. Concurrent enrollment: COMM 422L.
- **COMM 422L Directing for Television Laboratory (NC).** Advanced directing techniques for both studio and electronic field production. Concurrent enrollment: COMM 422.
- **COMM 423 Radio Station Operations (3).** Radio reporting, writing, announcing, programming and management. Students will work in audio production lab and student radio station.
- **COMM 428 Media Management (3).** Study of management processes of media organizations. Special attention given to personnel, content/programming, advertising, community relations, economic and legal problems. Case study emphasized. Prerequisites: COMM 103, 300.
- **COMM 440 Sports Media Production (3).** Production of sports media products including play-by-play broadcasts, talk shows, media guides, websites and the writing of television, radio, print and online stories. Focus on all aspects of production. Prerequisite: COMM 340.
- **COMM 447 Organizational Communication (3).** Basic concepts related to communication in organizations: management philosophy translated into communicative behavior of interpersonal, group and public nature; approaches to solving organizational communication problems using a systems perspective. Prerequisites: COMM 101/101L, 102 or 202, 300.
- **COMM 456 Event Management (3).** Aspects of event and conference management studied, including promotion, facilities, budgets, planning and evaluation. Students involved in actual events. Prerequisites: COMM 260, 303, 307.
- **COMM 460 Public Relations Cases and Campaigns (3).** Selected public relations case studies and a directed public relations campaign project with local and/or regional client organization. Prerequisites: COMM 260, 303, 306 or 307; senior standing.

- **COMM 468 Workshop in Communication (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **COMM 470 Interpersonal Communicative Behavior (3).** Communication in the process of developing and maintaining individual self-image, relationships, and roles in groups/society; transactional states in relationships, emotional social isolation, communicative behaviors among youth and the elderly. Prerequisites: COMM 101/101L, 102 or 202, 300.
- **COMM 475 Gender Communication (3).** Explores variations in communication behavior related to biological sex and psychological gender. Examines male and female communication issues in relationships, organizations and the media.
- **COMM 477 Family Communication (3).** Examines the principles of family communication in a variety of family types. Explores communications issues including aging, conflict, intimacy, rules and stories.
- **COMM 489 Communication Internship (1–6).** Full-time supervised work with a radio station, television station, newspaper, advertising agency, public relations agency or other media-related firm. Only 6 hours can be applied to major. Prerequisites: 3.00 GPA in the major and junior standing. Internship application must be completed the semester prior to the internship.
- **COMM 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: consent of instructor; junior or senior standing.
- **COMM 493 Topics in Communication (1–3).** As announced. (May be repeated for credit.)
- **COMM 498 Senior Seminar (1).** Course is designed to help graduating seniors assess, integrate, reflect upon and gain closure on the meaning of the undergraduate experience. Portfolio preparation included. Prerequisite: senior standing.

Communicative Disorders (CDIS)

- **CDIS 143 Introduction to Communicative Disorders (3).** Normal processes of speech, language and hearing: major kinds of speech, language and hearing disorders; implications for future speech and hearing clinicians, teachers and others; related professional problems, services and organizations. (F, S)
- **CDIS 250 Speech and Language Development (3).** Speech/ language learning process in the child: analysis of the phonological, morphological, semantic, syntactic and pragmatic aspects of speech/language development; review of current theory and research in speech/language acquisition. (F)
- **CDIS 252 Phonetics (3).** The position, movements and acoustic properties of speech sounds. Training in transcription provides students with the ability to describe normal speech, dialects and substandard speech. (S)
- **CDIS 268 Workshop in Communicative Disorders (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **CDIS 293 Topics in Communicative Disorders (1–3).** As announced. (May be repeated for credit.)
- **CDIS 300 Speech-Language Anatomy and Physiology (3).** Anatomy of the normal speech mechanism, physiologic, acoustic and perceptual characteristics of speech. Prerequisites: BIOL 207/207L or 209/209L; PHYS 113/113L or 151/151L. (F)
- **CDIS 302 Hearing/Vestibular Anatomy and Physiology (3).** Introduction to acoustics and the anatomy and physiology of the auditory and vestibular systems. Brief overview of elementary concepts in psychoacoustics and the perceptual correlates of audition. Prerequisites: CDIS 143; BIOL 207/ 207L or 209/209L; PHYS 113/113L or 151L; junior standing. (F)

- **CDIS 311 Articulation Disorders (3).** Characteristics, causes and treatment of articulation disorders in children and adults. Prerequisites: CDIS 250, 252, 300. (S)
- **CDIS 332 Language Disorders in Children (3).** Types of language disorders in children. Includes evaluative procedures and development of individualized therapy programs for children. Prerequisite: CDIS 250. (S)
- **CDIS 342 Basic Audiology (3).** Introduction to pathologies of the auditory and vestibular systems and the basic audiologic evaluation with emphasis upon pure tone and speech audiometry, clinical masking, acoustic immittance and interpretation. Prerequisites: CDIS 143; CDIS 302; junior standing. (S)
- **CDIS 400 Speech Science (3).** Advanced science course in normal speech production and perception. Topics include the evolution of speech, research in speech perception, acoustic phonetics, laboratory instrumentation and computer applications. Prerequisites: CDIS 252, 300, 302. (F)
- **CDIS 421 Neuroscience of Communication (3).** Normal and pathological neuroanatomy and neurophysiology of speech, language and hearing. Prerequisites: CDIS 300, 302; senior standing. (S)
- **CDIS 424 Language Assessment (3).** Administration, scoring and interpretation of standardized tests. Consideration will also be given to the informal assessment of language disorders in children. Prerequisites: CDIS 250, 252, 332. (F)
- **CDIS 433 Medical Aspects of CDIS (3).** Selected topics in medicine and health care that are important for the speech-language pathologist and audiologist. Prerequisite: consent of instructor. (S)
- **CDIS 434 Aural Rehabilitation (3).** Effects of hearing loss in adults and children. Considerations in the management of the deaf and hard-of-hearing, including electroacoustic amplification and communication therapy. Prerequisites: CDIS 143, 302, 342; senior standing. (F)
- **CDIS 443 Clinical Management (3).** Methods and techniques of clinical management, establishment of a basic clinical armamentarium, observation and limited participation in clinical activities. Prerequisites: CDIS 311, 332. (F)
- **CDIS 444 Speech-Language Apprenticeship (1).** Preclinical, practical experience designed to acquaint the student with the provision of speech, language and/or hearing services, by assisting a graduate student clinician, speech-language pathologist or audiologist. Prerequisites: CDIS 443; consent of instructor. (F, S)
- **CDIS 445 Speech-Language Practicum (1).** Supervised clinical experience including speech-language and hearing intervention, speech-language screenings and hearing screenings. Conferences and record keeping. Attendance at one-hour clinician's meeting each week is required. Prerequisites: CDIS 443; consent of instructor. (May be repeated for a maximum of 2 credits with consent of instructor). (F, S)
- **CDIS 446 Audiology Practicum (1).** Supervised clinical experience in hearing screenings, audiologic evaluations and/or aural rehabilitation, with associated report writing. Prerequisites: CDIS 443; consent of instructor. (May be repeated for a maximum of 2 credits with consent of instructor). (F, S)
- **CDIS 468 Workshop in Communicative Disorders (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **CDIS 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours in each area.) Prerequisite: consent of instructor. A. Audiology; B. Speech pathology
- **CDIS 493 Topics in Communicative Disorders (1–3).** As announced. (May be repeated for credit.)

Computer Information Systems (CIS)

- **CIS 151 Basic Computer Skills (3).** Microcomputer operations; terminology, concepts and applications to include spreadsheets, database and word processing. (F, S)
- **CIS 185 Introduction to Computer Information Systems (3).** Survey of information systems, hardware functions, operating systems software, applications software and systems development. Introduction to Web and Object Oriented programming. Coverage of Microcomputers to Mainframes. Prerequisite or concurrent enrollment: CIS 151. (F, S)
- **CIS 241 Introduction to Web Development (3).** Basic fundamentals of Internet-related technologies and their impact. Effective design of World Wide Web pages using current WWW publishing languages. Prerequisite: CIS 151. (F, S)
- **CIS 268 Workshop in CIS (1–3).** As announced. (May be repeated for a maximum of 3 credits.) Prerequisites: BUS 151; consent of instructor.
- **CIS 293 Topics in CIS (1–3).** As announced. (May be repeated for a maximum of 6 hours of credit.) Prerequisites: BUS 151; consent of instructor.
- **CIS 300 Object Oriented Programming (3).** Concepts and application of Object Oriented Programming (OOP) using software development facilities of Visual Studio.Net. Prerequisites: BUS 151; CIS 185. (F, S)
- **CIS 314 Overview of Operating Systems/Utilities (3).** An overview of computer operating systems from PCs to mainfraimes. Includes OS theory and structure as well as an introduction to system control parameters, utilities, services and command language. Prerequisites: BUS 151; CIS 185. (F)
- **CIS 330 Business Web Site Design (3).** Analysis of page layout, web site design, graphics design and marketing concepts for effective electronic commerce. Prerequisite: BUS 151; CIS 185, 241. (S)
- **CIS 331 Data Communications and Networking (3).** Concepts of data communications hardware, software, protocols, architecture, networks and voice communication circuits. Prerequisites: BUS 151; CIS 185. (F, S)
- **CIS 343 Database Management Systems (3).** Analysis, design and implementation of database systems. Database application development in stand-alone, multi-user and distributed environments. Fundamentals of ANSI SQL. Prerequisites: BUS 151; CIS 185, 300. (F)
- **CIS 351 Microcomputing for Business (3).** Evaluation of and advanced applications of electronic spreadsheets, database management and graphics for the microcomputer. Prerequisites: BUS 151; CIS 151; STAT 213. (F, S, Su)
- **CIS 420 Systems Development (3).** Information systems methodologies and enterprise-wide managerial and organizational problems. Project management techniques, security techniques, system testing and implementation. Prerequisites: BUS 151; CIS 185; CIS 300 and/or 343. (S)
- **CIS 430 Advanced Web Development (3).** Development, documentation and debugging of World Wide Web scripting language applications. Use of various scripting languages to create server side applications. Prerequisite: BUS 151; CIS 330, 343. (F)
- CIS 435 Network Infrastructure Design (3). Designing computer networks covering topics such as TCP/IP addressing, routing, DHCP, WINS, and DNS. Prerequisites: BUS 151; CIS 331. (S)
- **CIS 440 Network Infrastructure Implementation and Administration (3).** Concepts for implementing and administering corporate network systems spanning multiple geographical regions and using various network operating systems and protocols. Prerequisites: BUS 151; CIS 435 or concurrent enrollment in CIS 435. (S)

- **CIS 443 Enterprise Database Programming and Administration (3).** Advanced ANSI SQL programming, multi-user database application development and enterprise database administration. Prerequisites: CIS 300, 343. (S)
- **CIS 468 Workshop in CIS (1–3).** As announced. Prerequisites: BUS 151; consent of instructor. (May be repeated for a maximum of 3 credits.)
- **CIS 489 Internship (1–3).** Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; major in CIS; 3.00 GPA in CIS and related subjects; consent of instructor.
- **CIS 491 Directed Study (1–3).** Independent study under instructor's guidance. Prerequisites: BUS 151; consent of instructor. (TBA)
- **CIS 493 Topics in Computer Information Systems (1–3).** As announced. (May be repeated for a maximum of 6 hours with consent of advisor.) Prerequisites: BUS 151. (TBA)

Computer Science (CS)

Note: Some math courses require prerequisites that can be fulfilled with satisfactory ACT/SAT scores. These minimum scores may be satisfied in the following ways:

For courses with MATH 107 as prerequisite, satisfactory scores are defined as:

1. ACT math of 24 or higher **OR**

2. ACT math of 22 or 23 \boldsymbol{AND} an algebra/geometry subscore of 9 \boldsymbol{OR}

3. SAT math of 530 or higher.

For courses with MATH 119 as a prerequisite, satisfactory scores are defined as:

1. ACT math of 26 or higher

- 2. SAT math of 600 or higher
- **CS 114 Computers and Society (3).** Technical, social and ethical issues in computing. Topics may include e-mail etiquette, World Wide Web search strategies, computer viruses, encryption, copyright, privacy, free speech and the limits of computing. (S)
- **CS 123 Programming Fundamentals (3).** Concepts and programming techniques fundamental to the practice and theory of computer science: I/O, operators and expressions, control structures, functions, and arrays. Prerequisite: MATH 107 or satisfactory ACT/SAT score. (F, S)
- **CS 134 Intermediate Programming (3).** Object-oriented programming, APIs, recursion, references, searching and sorting. Prerequisites: CS 123; either MATH 119 or satisfactory ACT/SAT score. (F, S)
- **CS 220 Mathematical Foundations of Computer Science I** (3). Logic, methods of proof, mathematical induction, elementary set theory, functions and relations. Prerequisites: Either MATH 119 or satisfactory ACT/SAT score. (F)
- **CS 257 Data Structures (3).** Specification, implementation and analysis of object-oriented linear and tree structures. Prerequisite: CS 134. (F)
- **CS 268 Workshop in Computer Science (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **CS 288 Cooperative Education (1–3).** Practical experience at a cooperating institution. Prerequisite: consent of instructor.
- **CS 293 Topics in Computer Science (1–3).** As announced. (May be repeated for credit.)

- **CS 301 Programming Language Concepts (3).** General concepts underlying the design and implementation of programming languages. Introduction to programming paradigms. Prerequisite: CS 134; recommended CS 257. (S)
- **CS 320 Mathematical Foundations of Computer Science II** (3). Counting, analysis of algorithms, recurrence relations, graph theory. Prerequisites: CS 123, 220. (S)
- CS/EET 340 Microprocessors and Assembly Programming
 (3). Programming and use of microcomputer hardware to perform basic and advanced control functions. Topics include architecture and instruction set of microprocessors, timing diagrams, address decoding schemes and interrupt handling. Prerequisite: EET 241/241L or CS 123. (F)
- **CS 342 Computer Architecture (3).** Fundamental concepts in the design of digital computers. I/O, arithmetic-logic unit, control unit and the memory hierarchy. Prerequisite: CS/EET 340. (S)
- **CS 360 Object-Oriented Development (3).** Object-oriented design, event-driven programming, computer graphics, GUI design, Java API, human-computer interaction, design patterns, documentation and testing. Prerequisite: CS 134. (F)
- CS 404 Automata, Languages, and Computability (3). Basic concepts from finite automata, context free languages, Turing machines and computability. Prerequisites: CS 257, 320. (F)
 CS/MATH 409 Numerical Analysis I (3).

CS/MATH 410 Numerical Analysis II (3).

- **CS 415 Software Engineering (3).** Software engineering principles including life-cycle models, specification, design and verification. Students will work in teams on a large project. Prerequisites: CS 257, 360.
- **CS 451 Design and Analysis of Algorithms (3).** Techniques for analyzing performance of algorithms; principles and concepts of algorithm design. Prerequisites: CS 257, 320. (S)
- **CS 457 Database Theory (3).** Theory of databases, including physical organization, conceptual design, relational database theory and SQL. Prerequisites: CS 257, 320. (TBA)
- **CS 461 Operating Systems (3).** Theory of operating systems. Topics include processes, file systems, memory management and I/O. Prerequisites: CS 257, 340. (S)
- **CS 462 Computer Networks (3).** Structure, implementation, theoretical underpinnings and applications of computer networking. Topics may include network structures and architecture, protocols, error handling, security, routing, compression. Prerequisites: CS 134, 340; MATH 124.
- **CS 468 Workshop in Computer Science (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **CS 470 Compiler Design (3).** Theory and practice of compiler design. Scanning, grammars, parsing, semantics, intermediate representations, code generation. Prerequisites: CS 257, 301, 340.
- **CS 488 Cooperative Education (1–3).** Practical experience at a cooperating institution. Prerequisite: consent of instructor.
- **CS 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **CS 493 Topics in Computer Science (1–3).** As announced. (May be repeated for credit.)

Criminal Justice (CJ)

- **CJ 102 Introduction to Criminal Justice (3).** Analysis of law and society with emphasis on the police, prosecution, the courts, corrections and probation and parole. (F, S)
- **CJ 225 Gangs in American Society (3).** Study of juvenile and adult groups that have joined together to engage in delinquent and criminal acts. (S).
- **CJ 234 Victimization in American Society (3).** Study of crime victims, focuses on the physical, emotional and financial harm people suffer at the hands of criminals. (F)
- **CJ/SOC 240 Juvenile Delinquency (3).** Juvenile offender in the criminal justice system; perspectives on delinquency. Prerequisite: SOC 101 or CJ 102. (F, S)
- CJ 245 Corrections (3). Punishment, penal institutions and reforms in society and history. Prerequisite: SOC 101 or CJ 102.
- CJ/ANTH 255 Forensic Anthropology (3). (F)
- **CJ 268 Workshop in Criminal Justice (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **CJ 293 Topics in Criminal Justice (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **CJ 310 Comparative Criminal Justice (3).** The course examines the police, courts and correctional institutions from an international perspective. Examines crime trends and how crime is handled in a global context.
- CJ/SOC 312 Criminology (3). Background and social nature of crime: considers social structure, community factors and criminal careers. Prerequisite: SOC 101, 212, or CJ 102. (S)
- **CJ/SOC 432 Police and Society (3).** Contemporary and historical issues in law enforcement including discretion, use of force, corruption, police roles and the relationship of the police to the larger society. Prerequisite: SOC 101 or CJ 102. (F)

CJ/SOC 434 Introduction to Social Research (3).

- **CJ 457 Probation and Parole (3).** Study of law, theory and practice of releasing supervised offenders back into the community. Prerequisite: CJ 102. (S)
- **CJ 468 Workshop in Criminal Justice (1–3).** As announced. (May be repeated for a maximum of 6 hours.) Prerequisite: CJ 102.
- **CJ 489 Internship (4).** Extension of academic experience to an organizational setting within a criminal justice or social/ community services type of agency; work related experience under agency supervision. Prerequisites: senior standing; approval of agency; consent of instructor. (F, S, Su)
- CJ 491 Directed Study (1–3). Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: CJ 102. (F, S, Su)
- CJ 493 Topics in Criminal Justice (1–3). As announced. (May be repeated for a maximum of 6 hours.) Prerequisite: CJ 102.

Dance (DNC)

- **DNC 101 Introduction to Dance (3).** Introduction to fundamentals of dance technique, dance history and aesthetics studied through text, video and participation. (F, S)
- **DNC 102 Beginning Modern Dance (3).** Introduction and development of basic modern dance technique and its history approached through academic study and participation. (Alt S)
- **DNC 108 Beginning Ballet (2).** Basic technique, vocabulary and classical ballet history approached through academic study and participation. Practical application of anatomical placement, posture, and control. (Alt F)
- **DNC 202 Intermediate Modern Dance (3).** Study of modern dance technique and history. Prerequisite: DNC 102. (Alt F)
- **DNC 207 Dance Notation (2).** Introduction to the principles of labanotation and motif writing. (Alt F)

- **DNC 208 Intermediate Ballet (2).** Study of classical ballet technique and history. Prerequisite: DNC 108. (Alt S)
- **DNC 210 Styles in Dance (2).** Basic styles of selected dance forms. A. Jazz; B. Theatrical; C. Tap; D. Performance Art. (Alt F)
- **DNC 268 Workshop in Dance (1–3).** As announced. (May be repeated for credit.)
- DNC 293 Topics in Dance (1–3). As announced. (May be repeated for credit.)
- **DNC 302 Advanced Modern Dance (3).** Intermediate level modern dance technique and study of current dance aesthetics. Prerequisite: DNC 202. (Alt S)
- **DNC 308 Advanced Ballet (2).** Intermediate level classical ballet techniques and aesthetics. Prerequisite: DNC 208. (Alt F)
- **DNC 315 Laban Movement Analysis (3).** An introduction to Laban's theoretical system for observing and describing movement through the exploration of body, effort, shape and space. (Alt S)
- **DNC 351 Movement Improvisation (2).** Development of movement improvisational skills as related to choreography, acting and directing through class exercises and projects. (Alt S)
- **DNC 394 Dance History (3).** The history and development of dance forms from ancient cultures to present day. (Alt F)
- **DNC 410 Styles in Dance (2).** Basic styles of selected dance forms. A. Jazz; B. Theatrical; C. Tap; D. Performance Art. (Alt F)
- **DNC 451 Choreography (2).** Study of solo and ensemble choreography from an academic and practical perspective through class exercises and projects. Prerequisites: DNC 207, 351. (Alt S)
- DNC 468 Workshop in Dance (1–3). As announced. (May be repeated for credit.)
- **DNC 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- DNC 493 Topics in Dance (1–3). As announced. (May be repeated for credit.)
- **DNC 499 Major Recital (3).** A performance of artistic exhibition demonstrating efficiency in selected dance forms. Required of all BFA majors with emphasis in dance during their senior year. Prerequisite: consent of instructor. (F, S)

Economics (ECON)

- **ECON 200 Survey of Economics (3).** An introductory level course in economics designed for non-business majors. Emphasis is placed on understanding of how economic principles apply to domestic and global issues in today's world. (F)
- **ECON 221 Principles of Macro Economics (3).** Interrelationships involving inflation, unemployment, gross national product, taxes, government spending and the domestic and world monetary systems. (A prerequisite for most upperdivision courses; should be taken in the freshman or sophomore year.) Prerequisite: MATH 107 or higher level math course. (F, S)
- **ECON 222 Principles of Micro Economics (3).** Economics of resource allocation with applications to the current economics problems of public finance, agriculture, labor and forms of competition. (A prerequisite for most upper-division courses; should be taken in the freshman or sophomore year.) Prerequisite: MATH 107 or higher level math course. (F, S)
- **ECON 293 Topics in Economics (1–3).** As announced. (May be repeated for 6 credits with consent of instructor and advisor.)

- **ECON 321 Macroeconomics for Business (3).** Study of the nature, causes, measurement, and forecasting of fluctuations of the macro economy. Prerequisites: BUS 151; CIS 151; ECON 221, 222. (S)
- **ECON 322 Managerial Economics (3).** Application of economic theory to business decision-making, including problems of business management, profit, demand, cost competition, and employment of the factors of production. Prerequisites: BUS 151; CIS 151; ECON 221, 222; MATH 119; STAT 213 (F)
- **ECON 338 Labor Problems (3).** The determinants of employment and earnings in labor markets: Topics may include marginal productivity theory, human capital theory, compensating wage differentials, payment systems, internal labor markets, unions and collective bargaining. Prerequisites: BUS 151; CIS 151; ECON 221, 222; MGT 313. (TBA)
- **ECON 409 Global Economics and Finance (3).** Economic theory as applied to international trade and finance, the international monetary system and policies related to international payments, foreign exchange and capital markets and contemporary international developments. Prerequisites: BUS 151; CIS 151; ECON 321, 322; FIN 311. (TBA)
- **ECON 489 Internship (1–3).** Minimum of eight weeks on-thejob experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/ unsatisfactory. Prerequisites: BUS 151; 3.00 cumulative GPA; instructor and department approval. (TBA)
- **ECON 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: BUS 151; 3.00 cumulative GPA; consent of instructor and department approval. (TBA)
- **ECON 493 Topics (I–3).** As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisites: BUS 151. (TBA)

Education, Bilingual (BLED)

- **BLED 201 Introduction to Bilingual Education (3).** An historical overview with a focus on present trends and practices. (F)
- **BLED 293 Topics in Bilingual Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in BLED 293 and 493.)
- **BLED 334 Methods and Materials for Bilingual Education** (3). Identification and evaluation of methods and materials currently used in bilingual education programs. Field experience required. (Instruction in Spanish.) (S)
- **BLED 350 Cultural and Linguistic Pluralism (3).** Critical exploration of the historical and social contexts of cultural and linguistic pluralism in the public schools; ESL methods and practices included. Ten hours of field experience required. Prerequisites: successful completion of EDF 222; admission to Teacher Education Program. Concurrent enrollment: ELED/SED 380 recommended. (F, S, Su)
- **BLED 380 ESL Methods and Materials (3).** Identification and evaluation of methods and materials currently used in the teaching of English as a Second Language. Prerequisite: BLED 201. (Alt S)
- **BLED 405 Reading and the Bilingual Child (3).** Acquisition of literacy skills by students whose dominant language is other than English. (Instruction in Spanish). Prerequisite: BLED 201. (F)
- **BLED 425 Parents' Role in the Bilingual Classroom (3).** Theoretical background and guided practice in working with the parents of bilingual students. Role plays, case studies, participatory experiences, analysis of materials for parent education and guidance. (Instruction in Spanish) Prerequisite: BLED 201. (S)

- **BLED/RED 438 Language Arts and ESL (3).** Development of listening, speaking, reading and writing skills within a language arts program for bilingual students. (S)
- **BLED 468 Workshop in Bilingual Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in all education workshops.)
- **BLED/ELED/FCS 473 Early Childhood Bilingualism (3).** First and second language acquisition with reference to the young linguistically diverse child utilizing case studies and current research to include legal developments, family and school partnerships and parental rights. (Su)
- **BLED 490 ESL in Content Areas (3).** Materials and practices for the development and incorporation of English as a Second Language in the instruction of the content areas. Prerequisite: BLED 438. (Alt S)
- **BLED 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **BLED 493 Topics in Bilingual Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in BLED 293 and 493.)

Education, Elementary (ELED)

ELED/FCS 221 Child Growth, Development and Learning (3).

- **ELED/FCS 239 Curriculum Development and Implementation I (3).** Concurrent enrollment: FCS 239L. Prerequisite: FCS 221.
- **ELED/FCS 239L Curriculum Development and Implementation I Lab (2).** Concurrent enrollment: ELED/ FCS 239. Prerequisite FCS 221.
- ELED/FCS 265 Guiding Young Children (3).
- ELED/FCS 280 Family and Community Collaboration (3).
- **ELED/FCS 285 Practicum: Methods and Materials for Early Childhood Education (3).** Supervised experiences in a classroom; students assume the role of teacher in planning, carrying out and evaluating classroom experiences. Includes weekly seminar for evaluation of methods and materials.
- **ELED 293 Topics in Elementary Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in ELED 293 and 493.)
- **ELED/RED 311 Language Arts (3).** The development of communication skills in children K–8; application of current research on literacy and communication to classroom strategies; materials and methods for writing, speaking, listening and reading. (S)
- **ELED/FCS 340 Curriculum Development and Implementation II (3).** Concurrent enrollment: ELED/FCS 340L.
- **ELED/FCS 340L Curriculum Development and Implementation II Lab (2).**Concurrent enrollment: ELED/ FCS 340.
- **ELED 380 Assessment, Curriculum, and Management (3).** Principles of curriculum development; assessment of pupil characteristics and abilities, lesson and unit planning, selection and use of media, application of modifications for individual needs, and organization of classrooms. Field experience required. Concurrent enrollment: RED 350 strongly recommended. Prerequisites: EDF 222/222L; admission to Teacher Education Program. Recommend prior completion or concurrent enrollment in BLED 350. (F, S, Su)

- **ELED 400 Methods for Integrated Curriculum I (6).** A variety of educational techniques with a focus on discovery/inquiry and literacy methods. Integrates all curricular areas with emphasis on language arts and social studies. Field experience required. Concurrent enrollment: ELED 412. Prerequisites: EDF 222/222L, 301; BLED 350; ELED 380; SPED 305; RED 350, 375. (F, S)
- **ELED 412 Methods for Integrated Curriculum II (6).** A variety of educational techniques with a focus on discovery/inquiry and literacy methods. Integrates all curricular areas with emphasis on science and mathematics. Field experience required. Concurrent enrollment: ELED 400. Prerequisites: BLED 350; EDF 222/222L; ELED 380; RED 350, 375; SPED 305. (F, S)
- **ELED 450 Seminar in Student Teaching (2).** Explores the dynamics of the student teaching experience in partnership with the school community. Concurrent enrollment: ELED 460. Prerequisite: successful completion of all course requirements for degree or licensure. (F, S)
- **ELED 460 Student Teaching: Elementary (10).** Placement in public school classroom; brief period of observation followed by gradual assumption of responsibilities and control of classroom; instructional planning and delivery; evaluation of learners; communications with parents. Concurrent enrollment: ELED 450. Prerequisite: successful completion of all course requirements for degree or licensure.
- **ELED 468 Workshop in Elementary Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in all education workshops.)
- $\label{eq:linear} \begin{array}{l} \mbox{ELED/BLED/FCS 473 Early Childhood Bilingualism (3). (Su)} \\ \mbox{ELED/FCS 482 Methods of Early Childhood Education (4).} \end{array}$
- ELED/FCS 484 Practicum in Early Childhood Education (4).
- **ELED 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **ELED 493 Topics in Elementary Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in ELED 293 and 493.)

Education Foundations (EDF)

- **EDF 100 Test-Taking Strategies and Skills (1).** Specific testtaking strategies: time use, error avoidance, deductive reasoning; skills to help students improve their scores on standardized tests. Credit will not count toward graduation.
- **EDF 222 Structured Observations of Teaching (3).** Introduction to the study and practice of teaching. For students interested in pursuing a career in teaching. Required for advancement in the teacher education program. Concurrent enrollment: EDF 222L. (F, S)
- **EDF 222L Structured Observations of Teaching Laboratory (0).** Students will be placed in K–12 public school settings. Concurrent enrollment: EDF 222. (F, S)
- **EDF 293 Topics in Education Foundations (1–3).** As announced. (May be repeated for a maximum of 6 hours in EDF 293 and 493.)
- **EDF 301 Foundations of Schooling (3).** Nature, aims, social and cultural foundations of public schools and teaching; developmental milestones of children and youth and their relationship to teaching and learning; legal aspects of schooling. Prerequisites: completion of EDF 222/222L with a grade of "C" or better; admission to the Teacher Education Program. (F, S)
- EDF/SOC 435 Sociology of Education (3).

- **EDF 468 Workshop in Education Foundations (1–3).** As announced. (May be repeated for a maximum of 6 hours in all education workshops.)
- **EDF 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **EDF 493 Topics in Education Foundations (1–3).** Current topics in education; societal problems and innovative strategies applied by schools in response to these demands. (May be repeated for a maximum of 6 hours in EDF 293 and 493.) Prerequisites: upper-division status; BLED 350; EDF 222/222L.

Education, Reading (RED)

RED 100 College Literacy (3). Focuses on development and support of reading skills with special emphasis placed on critical/analytical approaches. A variety of materials, approaches and methods used to assist student's ability in understanding college level texts. (Will not apply toward graduation or reading certification endorsement.) (F, S)

RED/ELED 311 Language Arts (3).

- **RED 315 Literacy Through Children's Literature (3).** Development of children's literacy explored through literature written for children. Literature-based curriculum and student response to literature examined. Ideology, theme, content and genre in literature presented as aspects of literacy pedagogy. (F)
- **RED 317 Literacy Through Adolescent Literature (3).** Literature development explored through literature written for adolescents. Literature-based curriculum and student response to literature examined. Ideology, theme, content and genre in literature presented as aspects of literacy pedagogy. (S)
- **RED 320 Writing Centered Classrooms (3).** Methods of teaching writing in K–12 settings across disciplines. Creating writing centered classrooms through fostering the development of student writers, writing processes and meta cognitive strategies. Prerequisite: ENG 104 — Recommended additional course work in writing (See list on Page 48).
- **RED 350 Emergent Literacy Development (3).** Literacy development of children from birth to age eight. Emphasis on balanced literacy methods, developmentally appropriate practice, and stages of literacy development. Prerequisite: successful completion of EDF 222/222L. (F, S)
- **RED 375 Intermediate Literacy Development (3).** Literacy development of children from the intermediate elementary grades to middle school. Emphasis on reading/writing workshop, content area literacy, and literacy strategies. Prerequisite: successful completion of EDF 222/222L; RED 350. (F, S)
- RED/BLED 438 Language Arts and ESL (3). (S)
- **RED 468 Workshop in Reading (1–3).** As announced. (May be repeated for a maximum of 6 hours in all education workshops.)
- **RED 471 Constructive Evaluation of Literacy (3).** Focus on variety of strategies for evaluating literacy outcomes in the classroom setting. Practicum required. Prerequisite: RED 350 (F)
- **RED 490 Field Studies in Reading (1–3).** (May be repeated for a maximum of 6 hours with permission of instructor.) Prerequisite: consent of instructor.
- **RED 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **RED 493 Topics in Reading (1–3).** As announced. (May be repeated for a maximum of 6 hours in RED 293 and 493.)

- **RED 495 Secondary Content Area Literacy (3).** Integration of content area learning with literacy in the 6-12 classroom. Strategies to support learning in the content areas presented. Literacy is defined in close proximity to various content areas (e.g., art literacy, scientific literacy). (F, S).
- **RED 496 Elementary Content Area Literacy (3).** Integration of content area learning with literacy in the K-8 elementary classroom. Strategies to support learning in the content areas presented. Literacy is defined in close proximity to various content areas (e.g., art literacy, scientific literacy). (Su).

Education, Secondary (SED)

- **SED 293 Topics in Secondary Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in SED 293 and 493.)
- **SED 380 Secondary School Teaching/Learning (3).** Responsibilities of secondary school classroom teachers; establishing a classroom climate; conducting instruction effectively with modifications for diverse learners; student assessment, grading; classroom management. Eight-hour practicum required, Concurrent enrollment: EDF 301 and BLED 350 permitted; recommended concurrent enrollment in SED 410. Prerequisites: EDF 222/222L; admission to the Teacher Education Program. (F, S)
- **SED 410 Issues in Secondary Teaching (3).** Issues and problems confronting secondary teachers; roles and responsibilities of secondary teachers in working with curriculum, instruction, students, colleagues and community members to enhance learning. Prerequisites: EDF 222/222L; admission to Teacher Education Program; SPED 338 for dual licensure. Concurrent enrollment: SED 380 recommended. (F, S)
- **SED 450 Seminar in Student Teaching (2).** Explores the dynamics of the student teaching experience in partnership with the school community. Concurrent enrollment: SED 460. Prerequisites: completion of EDF 222/222L; SPED 305; EDF 301; BLED 350; SED 380, 410 with a grade of "C" or better; completion of requirements for the major. (F, S)
- **SED 460 Secondary Student Teaching (10).** Observation and teaching under supervision in secondary school; conferences on problems of student teaching; placement in public school classroom; instructional planning and delivery; evaluation of learners; communicating with parents. Prerequisites: completion of EDF 222; SPED 305; EDF 301; BLED 350; SED 380 (or SPED 338 for dual licensure), 410 with a grade of "C" or better; completion of requirements for the major. (F, S)
- **SED 468 Workshop in Secondary Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in all education workshops.)
- **SED 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **SED 493 Topics in Secondary Education (1–3).** As announced (May be repeated for a maximum of 6 hours in SED 293 and 493.)

Education, Special (SPED)

- **SPED 293 Topics in Special Education (1–3).** As announced. (May be repeated for a maximum of 6 hours in SPED 293 and 493.)
- **SPED 300 Introduction to Special Education (3).** Nature, needs, laws, educational concerns, collaborative models of teaching, modifications and uses of technology to meet needs of exceptional students in different categories. This course is designed specifically for SPED majors and licensure students Concurrent enrollment: EDF 222/222L recommended. (F, S)
- SPED 305 Students with Disabilities in the Regular Classroom (3). Strategies for adapting instruction and utilizing technologies to meet the learning needs of exceptional students in regular classrooms. This course will not count as credit toward Special Ed. Degree or Licensure. Concurrent enrollment: EDF 222/222L recommended. (F, S)
- **SPED 330 Assessment in Special Education (3).** Techniques for diagnostic and prescriptive teaching and formal; informal and ecological assessment with applications of technologies for exceptional individuals. Concurrent enrollment: SPED 338 highly recommended. Prerequisites: EDF 222/222L; SPED 300 with a grade of "B" or better; admission to Teacher Education Program. (S)
- SPED 338 Behavior Management: Exceptional Individuals (3). Major concepts and techniques of effective classroom and behavior management utilizing technologies for applied behavioral analysis. Ten hours field work required. Concurrent enrollment: SPED 330 highly recommended. Prerequisites: EDF 222/222L; SPED 300 with a grade of "B" or better; admission to Teacher Education Program. (S)
- **SPED 411 Literacy Methods and Materials (3).** Classroom methods, curriculum, procedures and materials to promote exceptional individuals' literacy skills. Modification of regular education curriculum, assistive technology; inclusion, functional academics and vocational/life skills. Concurrent enrollment: SPED 412, 413. Prerequisites: SPED 300, 330, 338; admission to Teacher Education Program. (F)
- **SPED 412 Content Methods and Materials (3).** Classroom methods, curriculum, procedures, and materials used in education of exceptional individuals in mathematics and content areas, including the arts. Modifications of regular education curriculum, assistive technology, and inclusion. Concurrent enrollment: SPED 411, 413. Prerequisites: SPED 300, 330, 338; admission to Teacher Education Program. (F)
- **SPED 413 Practicum: Special Education Methods (3).** Sixty hours of field work which includes application of instructional technologies with exceptional individuals. Course requirements may be fulfilled at the place of employment with instructor's approval. Concurrent enrollment: SPED 411, 412. Prerequisites: SPED 300, 330, 338; admission to Teacher Education Program. (F)
- **SPED 414 Vocational/Life Skills Transition (3).** Curricula, instructional techniques and materials related to prevocational, vocational and life skills programs for students with disabilities. Prerequisites: SPED 300, 330, 338; admission to Teacher Education Program.
- **SPED 445 Student Teaching: Special Education (10).** Observation and teaching under supervision in special education; conferences on problems of student teaching; placement in public school classroom; instructional planning and delivery; evaluation of learners; communicating with parents. Concurrent enrollment: SPED 447. Prerequisite: successful completion of all course requirements for degree or licensure. (F, S)

- **SPED 447 Seminar in Special Education (2).** Explores the dynamics of the student teaching experience in partnership with the school community. Concurrent enrollment: SPED 445. Prerequisite: successful completion of all course requirements for degree or licensure. (F, S)
- **SPED 468 Workshop in Special Education (1–3).** As announced. (May be repeated for a maximum of 3 hours in all education workshops.)
- **SPED 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 3 hours.) Prerequisite: consent of instructor.
- **SPED 493 Topics in Special Education (1–3).** As announced. (May be repeated for a maximum of 6 hours.)

Electronics Engineering Technology (EET)

Note: Some math courses require prerequisites that can be fulfilled with satisfactory ACT/SAT scores. These minimum scores may be satisfied in the following ways:

For courses with MATH 107 as prerequisite, satisfactory scores are defined as

1. ACT math of 24 or higher **OR**

2. ACT math of 22 or 23 \boldsymbol{AND} an algebra/geometry subscore of 9 \boldsymbol{OR}

- 3. SAT math of 530 or higher
- **EET/ENGR 101 Introduction to Engineering (3).** An introduction to fundamentals of engineering and its relation to science and mathematics. Topics include: engineering discipline, engineering methods using statistics, symbolic algebra, curve fitting and MATLAB software in engineering. (S)
- **EET 110 Basic Circuit Analysis (3).** This course consists of materials for circuit analysis from a direct current (DC) standpoint. Topics include voltage, current, resistors, power and energy, plus analysis of series and parallel circuits. Prerequisite: satisfactory ACT/SAT score or MATH 107 (may be taken concurrently). Concurrent enrollment: EET 110L. (F)
- **EET I 10L Basic Circuit Analysis Laboratory (NC).** Concurrent enrollment: EET 110. (F)
- **EET/ENGR 111 Engineering Graphics (3).** An introduction to engineering graphics using computer-aided design/drafting. Topics include geometric construction, orthographic projection, principle and auxiliary views, and related materials necessary to produce detailed drawings. Concurrent enrollment: EET/ENGR 111L. (F)
- **EET/ENGR 111L Engineering Graphics Laboratory (NC).** Concurrent enrollment: EET/ENGR 111. (F)
- **EET 210 Intermediate Circuit Analysis (3).** Topics include developing loop equations for series and parallel alternating circuits. Analog circuit simulation program familiarization. Investigation of impedance, frequency response, resonance, filter networks, transformers and complex waveforms. Prerequisites: EET 110/110L, MATH 120 or 119 (may be taken concurrently). Concurrent enrollment: EET 210L. (S)
- **EET 210L Intermediate Circuit Analysis Laboratory (NC).** Concurrent enrollment: EET 210. (S)
- **EET 219 Computer Aided Drafting (3).** Drawings of machines and machine-elements including threads, fasteners, springs and gears. The study of terminology, concepts, hardware/ software and techniques necessary to understand, assemble, maintain and use a CAD system. Prerequisites: EET 111/ 111L. Concurrent enrollment: EET 219L. (S)
- **EET 219L Computer Aided Drafting Laboratory (NC).** Concurrent enrollment: EET 219. (S)

- **EET 237 Semiconductor Devices (3).** This course consists of materials for solid state devices such as diodes and transistors, small signal and elementary amplifier analysis. Prerequisites: EET 110/110L, MATH 119 (may be taken concurrently). Concurrent enrollment: EET 237L. (S)
- **EET 237L Semiconductor Devices Laboratory (NC).** Concurrent enrollment: EET 237. (S)
- **EET 241 Logic Circuits (3).** Pulse and logic circuits common to computers, data systems, analytical tools and their applications. Digital circuit analysis using computer simulations. Prerequisite: satisfactory ACT/SAT score or MATH 107 (may be taken concurrently). Concurrent enrollment: EET 241L. (F)
- **EET 241L Logic Circuits Laboratory (NC).** Concurrent enrollment: EET 241. (F)
- **EET 242 Sequential Circuits and Applications (3).** A continuation of Logic Circuits. The course will focus on sequential and finite state machines. Analysis of timing characteristics for flip-flops and latches are included. Prerequisites: EET 241/241L, MATH 119 (may be taken concurrently). Concurrent enrollment: EET 242L. (S)
- **EET 242L Sequential Circuits and Applications Laboratory** (NC). Concurrent enrollment: EET 242. (S)
- **EET 268 Workshop in Engineering Technology (1–3).** As announced. (May be repeated for a maximum of 6 hours.) (TBA)
- **EET 280 Electric Machines and Sensors (3).** DC motors and generators, induction motors and generators, and various electrical and mechanical sensors are studied. Course emphasis is on the motor's principal of operation and application with PLC. Prerequisites: EET 210/210L, 237/237L. Concurrent enrollment: EET 280L. (F)
- **EET 280L Electric Machines and Sensors Lab (NC).** Concurrent enrollment: EET 280. (F)
- **EET 293 Topics in Engineering Technology (1–3).** As announced. (May be repeated for a maximum of 6 hours with consent of instructor or advisor.)
- **EET 310 Linear Systems Analysis (3).** This course includes topics necessary for design and analysis of complex electronic circuits. Topics include: network analysis, analysis of continuous-time and discrete-time systems, sampling theorem, Laplace transform. Prerequisites: EET 210/210L; MATH 124. Concurrent enrollment: EET 310L. (Alt F)
- **EET 310L Linear Systems Analysis Laboratory (NC).** Concurrent enrollment: EET 310. (F)
- **EET 337 Operational Amplifiers (3).** A continuation of Semiconductor Devices. Operational amplifiers, troubleshooting and low-and-high frequency amplifiers are studied. Prerequisites: EET 237/237L. Concurrent enrollment: EET 337L. (F)
- **EET 337L Operational Amplifiers Laboratory (NC).** Concurrent enrollment: EET 337. (F)
- **EET/CS 340 Microprocessors and Assembly Programming** (3). Programming and use of microcomputer hardware to perform basic and advanced control functions. Topics include architecture and instruction set of microprocessors, timing diagrams, address decoding schemes and interrupt handling. Prerequisites: EET 241/241L or CS 123. (F)
- **EET 357 Electronic Communications I (3).** Electronic circuits of modern electronic communications are studied. Topics include basic radio frequency transmitter and receiving systems, antennas and audio signal processing. Prerequisites: EET 337/337L, MATH 120. Concurrent enrollment: EET 357L. (Alt F)

- **EET 357L Electronic Communications I Laboratory (NC).** Concurrent enrollment: EET 357. (Alt F)
- **EET 421 Special Problems (1–2).** May be repeated for a maximum of 6 hours.
- **EET 437 Electronic Circuit Design/Analysis (3).** A continuation of Operational Amplifiers course. The materials covered in this course include transistors modeling, transistors small signal analysis, transistors frequency response and compound configurations. Prerequisites: EET 337/337L. Concurrent enrollment: EET 437L. (Alt S)
- **EET 437L Electronic Circuit Design/Analysis Laboratory (NC).** Concurrent enrollment: EET 437. (Alt S)
- **EET 441 Circuit Design with PLDs (3).** Topics include study of design techniques used in digital electronics from programmable logic perspectives. A comparison between PLDs approach to that of using hardwired design is conducted. Prerequisite: EET 242. Concurrent enrollment: EET 441L. (F)
- **EET 441L Circuit Design with PLDs Laboratory (NC).** Concurrent enrollment: EET 441. (F)
- **EET 450 Control Systems (3).** Materials for this course include feedback theory of control systems and the principles of continuous and discrete control systems. Prerequisites: EET 310/310L, 337/337L, 357. Concurrent enrollment: EET 450L. (Alt S)
- **EET 450L Control Systems Laboratory (NC).** Concurrent enrollment: EET 450. (Alt S)
- **EET 457 Electronic Communications II (3).** The course presents advanced materials within modern electronic communications. Materials include microwave devices, fiber optics and radiowave propagation. Digital and data communication, and system noise sources are also investigated. Prerequisites: EET 357/357L. Concurrent enrollment: EET 457L. (Alt S)
- **EET 457L Electronic Communications II Laboratory (NC).** Concurrent enrollment: EET 457. (Alt S)
- **EET 468 Workshop in Engineering Technology (1–3).** As announced. (May be repeated for a maximum of 6 credits.) (TBA)
- **EET 472 Microprocessor and Microcomputer Interfacing (3).** Design of microcontroller applications using evaluation boards. Interfacing to external memory and I/O devices. Study of A/D and D/A conversions. Prerequisite: EET/CS 340. Concurrent enrollment: EET 472L. (S)
- **EET 472L Microprocessor and Microcomputer Interfacing** Laboratory (NC). Concurrent enrollment: EET 472. (S)
- **EET 489 Industrial Internship (3).** For three (3) hours credit a student must be employed for a minimum of 20 hours per week during a regular semester and 40 hours per week during the summer semester. Prerequisite: consent of department committee.
- **EET 490 Special Project (3).** Engineer Technology project with particular emphasis on analysis, design, documentation and application to one or more practical problems. Prerequisites: EET 242, 337, 340, 357. (Alt S)
- **EET 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 credits with consent of instructor/ advisor.) Prerequisite: consent of instructor.
- **EET 493 Topics in Engineering Technology (1–3).** (May be repeated for a maximum of 6 credits with consent of instructor or advisor.) Prerequisite: consent of instructor.

English (ENG)

- **ENG 100 Basic Writing Skills (3).** Specific instruction in basic composition, sentence construction, paragraph development and introduction to the essay. Class format includes individualized instruction. Credit will not count toward graduation. (F, S)
- **ENG 102 English Composition (3).** Specific instruction in collegelevel reading and writing, various types/forms of academic essays, writing as a process, critical thinking, close reading and standards of academic discourse. Placement by ACT score. Must earn minimum grade of "C." (F, S, Su)
- **ENG 104 English Composition and Research (3).** A continuation of ENG 102; applies critical thinking, reading, and writing skills to research paper writing. In order to enhance students' interdisciplinary research, special topics may be selected. Must earn minimum grade of "C." Prerequisite: ENG 102 or 108 with a minimum grade of "C." (F, S, Su)
- **ENG 106 English as a Second Language (3).** English for the non-native speaker based on the application of modern linguistics. Open only to students whose native language is not English. (This course does not meet the undergraduate requirements for freshman composition.) Concurrent enrollment: ENG 106L. (F)
- **ENG 106L English as a Second Language Lab (1).** Practice speaking English in a group situation: topics include cultural exchange, history, customs, current events, education and personal life experiences. Open only to students whose native language is not English. Concurrent enrollment: ENG 106. (F)
- **ENG 107 English as a Second Language (3).** A continuation of ENG 106; developmental language for use in the academic and business worlds; syntactic analyses. Open only to students whose native language is not English. (This course does not meet the undergraduate requirements for freshman composition.) Concurrent enrollment: ENG 107L. (S)
- **ENG 107L English as a Second Language Lab (1).** Continuation of ENG 106L. Concurrent enrollment: ENG 107. (S)
- **ENG 108 English Composition (Honors) (3).** Writing expository and persuasive essays; enhanced critical thinking and writing skills based on reading and discussion of diverse texts related to a main topic or idea. Must earn minimum grade of "C." Prerequisite: honors standing or consent of instructor. (F)
- **ENG 109 Composition and Research (Honors) (3).** A continuation of ENG 108; applies critical thinking, reading and writing skills to scholarly research paper writing. To enhance students' interdisciplinary research, special topics may be selected. Must earn minimum grade of "C." Prerequisite: ENG 102 or 108 with a minimum grade of "C;" honors standing or consent of instructor. (S)
- **ENG 201 Types of Literature (3).** An introduction to a literary genre. Subtitles vary by semesters. A. Short Story; B. Novel; C. Drama; D. Poetry; E. Science Fiction. (May be repeated for credit under different subtitle, with consent of instructor.) Designed primarily for non-majors. (F, S)
- **ENG 211 Introduction to Literature (3).** Elements of the short story, the novel, poetry and drama: mythology, literary terms, basic techniques of each literary form; practice in writing about literature. (F, S)
- **ENG 221 British Literature Survey I (3).** Overview of British literature from *Beowulf* to the eighteenth century. Prerequisite: ENG 211 recommended . (F)
- **ENG 222 British Literature Survey II (3).** Overview of British literature from pre-romanticism to the contemporary period. Prerequisite: ENG 211 recommended. (S)

- **ENG 235 Advanced Composition (3).** For students striving for fluency, maturity and significance in writing: short works from master writers studied for ideas, style and structure. Prerequisite: ENG 104. (Alt F, S)
- **ENG 251 American Literature Survey I (3).** Literatures of U.S. territories from their beginnings in pre-colonial Native American oral narratives to 1865. Readings include creation myths, sermons, journals, essays, short stories, poetry and excerpts from novels. Prerequisite: ENG 211 recommended. (F)
- **ENG 252 U. S. Literature Survey II (3).** An overview of U.S. American literatures from 1865 to the present. Prerequisite: ENG 211 recommended. (S)
- **ENG 268 Workshop in English (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **ENG 275 The Motion Picture (3).** Criticism of film as an art and literary form; selected films with attention to composition and final impact. (Alt S)
- **ENG 293 Topics in English (1–3).** As announced. (May be repeated for credit.)
- **ENG 315 American Literature to 1835 (3).** Study of literatures in and/or concerned with the New World, including but not limited to texts from the following periods: contact/ colonization, Enlightenment, Early National. See schedule for specific content. Prerequisites: ENG 211 or 221/222 or 251/ 252 recommended. (Alt S)
- **ENG 319 U.S. Literature 1900 to present (3).** Study of literatures produced from 1900 to present. Focus may include texts from the following: Modernism, Progressivism, Symbolism, Harlem Renaissance, Contemporary, Post-Modern movements. See schedule for specific content. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- ENG/THTR 324 Workshop in Playwriting (3).
- **ENG 325 Professional and Technical Writing (3).** Techniques and forms of professional and technical writing, including reports, proposals, letters and other media. Prerequisites: ENG 102, 104. (F, S)
- **ENG 327 U.S. Literature 1825 to 1900 (3).** Study of U.S. literatures produced from 1825 to 1900. Focus may include texts from Romanticism, Realism, Naturalism, Regionalism, Literatures of Social Protest, Slavery and Civil War Literatures. See schedule for specific content. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- **ENG 330 Literary Theory (3).** Survey of literary theory with an emphasis on contemporary theories, including: Structuralist, Psychoanalytic, Reader-Response, Feminist, Marxist, Cultural Materialist and New Historicist. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- **ENG 335 Creative Writing (3).** Concentration on one genre of creative writing; varying subtitles: A. Fiction; B. Poetry; C. Drama/Screenplay. (Alt Su)
- **ENG 340 British Literature 600–1600 (3).** Study of literatures produced between 600–1600. Focus may include, but not limited to texts from the following periods; Middle Ages, Early Modern Period to 1600. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- **ENG 342 British Literature 1600–1800 (3).** Study of literature produced between 1600–1800. Focus may include, but not limited to texts from the following periods; Early Modern; Restoration; 18th Century. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F)

- **ENG 344 British Literature 1800 to Present (3).** Study of literature produced between 1800 and present. Focus may include, but not limited to texts from the following periods; Romantic; Victorian; Modern; Contemporary. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- **ENG 376 Chicano Literature (3).** Writings of Chicano authors, particularly those of the last century. Includes accounts of Chicano life, experiences and examples of creative writing in varied types of literature. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- **ENG 378 World Literatures (3).** Study of major texts in world literature including, but not limited to, classical literature, Biblical literature or other literatures in a global context. See schedule for specific content. Fulfills General Education Global/Diversity requirement. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- **ENG 379 Globalization/Diversity and Cultural Studies (3).** Study of thematic texts focused around central issues across cultures, including but not limited to cultural representations of race/ethnicity; working class literature/culture; cultural representations of gender. See schedule for specific content. Fulfills General Education Global/Diversity requirement. (Alt F, S)
- **ENG 413 Literature of the Southwest (3).** Literature by resident authors in the Southwest since 1850; writings about the Southwest by visitors; social institutions of the country as revealed in novels, plays and poetry. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- **ENG 415 Expository Writing (3).** The study of the format and content of writing that sets forth or explains in detailed statements or extended treatises. Writing assignments appropriate to the work place. Prerequisites: ENG 102, 104. (Alt F, S)
- **ENG 416 Report Writing (3).** Clarifying, reducing, expanding and synthesizing materials for manuals, annual reports and technical reports. Audience adaptation, organization, style and mechanics explored. Significant analytical term report required. Prerequisites: ENG 104. (Alt F, S)
- **ENG 426 American Authors/Genres/Themes (3).** Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. See schedule for specific content. ENG 426A: When offered under this rubric, course fulfills requirement for American Literature before 1825. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- **ENG 430 British Authors/Genres/Themes (3).** Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. See schedule for specific content. ENG 430A: When offered under this rubric, course fulfills requirement for British Literature before 1600. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- **ENG 439 World Authors/Genres/Themes (3).** Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- **ENG 441 Shakespeare (3).** Close readings of Shakespeare's works. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- **ENG 445 English Language Studies (3).** Intensive study designed to enhance student's knowledge of linguistic structure and/or English language history. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251 or 252 recommended. (Alt S)

- **ENG 447 Literary and Cultural Studies (3).** Intensive study of organizing principles, ideologies or symbols in relation to specific cultural contexts. Not limited to literary texts. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- **ENG 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **ENG 493 Topics in English (1–3).** As announced. (May be repeated for credit.)
- **ENG 496 Methods of Teaching Secondary English (3).** Materials, methods and procedures for improvement of instruction in composition. Includes problems connected with teaching mechanics, language structure, organization and the interpretation and appreciation of literature. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (F)

Engineering (ENGR)

Note: Some math courses require prerequisites that can be fulfilled with satisfactory ACT/SAT scores. These minimum scores may be satisfied in the following ways:

For courses with MATH 107 as prerequisite, satisfactory scores are defined as

- 1. ACT math of 24 or higher \mathbf{OR}
- 2. ACT math of 22 or 23 **AND** an algebra/geometry subscore of 9 \mathbf{OR}
- 3. SAT math of 530 or higher
- ENGR/EET 101 Introduction to Engineering (3). (S)
- **ENGR/EET 111 Engineering Graphics(3).** Concurrent enrollment: ENGR/EET 111L. (F)
- **ENGR/EET IIIL Engineering Graphics Laboratory (NC).** Concurrent enrollment: ENGR/EET 111. (F)

Exchange Study Programs (EXCH)

- EXCH 300 International Educational Exchange Study (9– 18). Students study in programs abroad. See Page 21.
- **EXCH 305 National Student Exchange (1–18).** Students study at other universities in the United States. See Page 21.

Family and Consumer Sciences (FCS)

- **FCS 101 Orientation and Careers (1).** An introduction to the field of family and consumer sciences and the many careers for family and consumer scientists. (S)
- **FCS 103 Clothing Selection and Construction (2).** Wardrobe planning/selection through evaluation of body shape, personal color, style preference and fabrics. Evaluation of apparel quality, construction techniques, fiber content, fit. Garment construction and fitting techniques. Concurrent enrollment: FCS 103L. (F)
- FCS 103L Clothing Selection and Construction Laboratory (1). Concurrent enrollment: FCS 103. (F)
- **FCS 107 Health, Safety, and Nutrition (2).** Strategies for promoting physical and mental health, appropriate nutrition and safe environments for young children.
- **FCS I 12 Introduction to Nutrition (3).** Study of basic nutrition principles. Selection of nutritionally sound diets for individuals and families. Computer analysis of one's diet; factors influencing diet selection. Recent developments and controversies in nutrition. (F)

- **FCS 124 Child Care Basic Competencies (3).** Designed for entry level early care, education and family support professionals. Knowledge, skills and attitude development with practice in the seven early childhood education competency areas. For elective credit only. Prerequisite: consent of instructor. (F, S, Su)
- **FCS 131 Consumer Education (3).** Study of the interaction of consumers, government, and domestic and foreign markets. Evaluation of consumer information and protection. Analysis of economic, social and political factors that influence buying decisions. (S)
- **FCS 213 Food Science (2).** Application of food science principles to the preparation of food; physical and chemical changes that occur during preparation and storage; selection criteria, nutrient composition and food sanitation. Concurrent enrollment: FCS 213L. (F)
- FCS 213L Food Science Laboratory (1). Concurrent enrollment: FCS 213.
- FCS 220 Professionalism in Early Childhood (2). An examination of the code of ethics, advocacy practices and current issues of the early childhood profession.
- **FCS/ELED 221 Child Growth, Development and Learning (3).** Physical, social, emotional and cognitive growth and development of the child from conception through age eight. Includes observations of children. (F)
- **FCS 223 Assessment of Children and Program Evaluation (3).** Assessment strategies, including observation, for gathering and reporting information about young children. Techniques for evaluating early childhood programs.
- **FCS/ELED 239 Curriculum Development and Implementation I (3).** Development of appropriate experiences and learning environments for young children through integrated content and curriculum based on social, cognitive, physical and emotional areas of development. Concurrent enrollment: FCS/ ELED 239L. Prerequisite: FCS 221
- FCS/ELED 239L Curriculum Development and Implementation I Lab (2). Supervised experience planning and participating in experiences with young children; application of principles of child growth and development for families and teachers. Concurrent enrollment: FCS/ELED 239. Prerequisite: FCS 221.
- **FCS 240 Curriculum Development and Implementation II** (3). Development of appropriate experiences and learning environments for young children that integrate content and curriculum based on social, cognitive, physical and emotional areas of development. Concurrent enrollment: FCS 240L. Prerequisites: FCS 221, 239/239L.
- **FCS 240L Curriculum Development and Implementation II Lab (2).** Supervised experience planning and participating in experiences with young children; application of principles of child growth and development for families and teachers. Concurrent enrollment: FCS 240. Prerequisites: FCS 221, 239/239L.
- **FCS 253 Housing (2).** Economic and social aspects of the housing. Technological development, energy efficiency and housing options will be considered. Development of floor plans through the use of CAD; interpretation of blueprints. Concurrent enrollment: FCS 253L. (F)
- FCS 253L Housing Laboratory (1). Concurrent enrollment: FCS 253. (F)
- FCS/AG/PTE 254 Information Technology in Applied Science (3).

- **FCS/ELED 265 Guiding Young Children (3).** The teacher's use of appropriate guidance to support the development of self-regulatory capacities in young children. Indirect guidance in the classroom environment. Prerequisite: FCS 221.
- FCS 268 Workshop in Family and Consumer Sciences (1–3). As announced. (May be repeated for a maximum of 6 hours.)
- **FCS/ELED 280 Family and Community Collaboration (3).** The dynamics of working with family members, community agencies and other professionals to meet the needs of young children. (S)
- FCS/ELED 285 Practicum: Methods and Materials for Early Childhood Education (3).
- FCS 293 Topics in Family and Consumer Sciences (1–3). As announced (May be repeated for credit.)
- FCS 301 Textiles (2). Study of basic fibers, weaves, yarns, fabrics and finishes. The selection, use and care of fabrics for apparel and home furnishings. Concurrent enrollment: FCS 301L. (F)
- **FCS 301L Textile Laboratory (1).** Concurrent enrollment: FCS 301. (F)
- **FCS 303 Household Equipment (3).** Selection, care and operation of household equipment with emphasis on energy efficiency and environmental impact. (Alt S)
- FCS 310 Diversity/Globalization and Families (3). Topics of exploration as related to individuals and families: food securities; child mortality; health care and family planning; substandard housing; family economics; social action skills with respect to this issue. (TBA)
- **FCS 323 Techniques for Effective Parenting (3).** The parent/ child relationship with emphasis on communication skills, guidance techniques and methods. (S)
- **FCS 331 Human Nutrition (3).** Essential nutrients, their metabolic function and role in health and disease prevention throughout the life cycle. Appropriate strategies for achieving healthy, desirable weight. (S)
- FCS 332 Meal Management (2). Principles of budgeting, planning, preparing and serving attractive meals and snacks. Efficiency in use of time, energy and money in food selection and preparation. Prerequisites: FCS 213/213L. Concurrent enrollment: FCS 332L. (Alt S)
- FCS 332L Meal Management Laboratory (1). Concurrent enrollment: FCS 332. (Alt S)
- **FCS 333 Family Relationships (3).** Family relationships through all stages of the family life cycle; methods for teaching about family relationships at the secondary level. (S)
- **FCS/ELED 340 Curriculum Development and Implementation II (3).** Development of appropriate experiences and learning environments for young children that integrate content and curriculum based on social, cognitive, physical and emotional areas of development. Concurrent enrollment: FCS/ELED 340L. Prerequisites: FCS 221, 239/239L.
- FCS/ELED 340L Curriculum Development and Implementation II Lab (2). Supervised experience planning and participating in experiences with young children; application of principles of child growth and development for families and teachers. Concurrent enrollment: FCS/ELED 340. Prerequisites: FCS 221, 239/239L.
- FCS 345 Pattern Design (2). Creation of original garment design using the flat pattern method: grading, draping, fitting, altering patterns. Prerequisites: FCS 103/103L. Concurrent enrollment: FCS 345L. (Every fifth semester.)
- FCS 345L Pattern Design Laboratory (1). Concurrent enrollment: FCS 345.

- **FCS 347 Fashion Merchandising (3).** Managerial and personnel responsibilities of the merchandiser in planning, selecting, buying, promoting and selling of textiles and clothing. Apparel production and distribution channeling. Includes trip to Dallas Apparel Mart. Prerequisites: FCS 301/301L. (Alt S)
- FCS 353 Interior Design (2). Practical application of design elements and principles in selection, coordination and arrangement of home interiors and furnishings. Budgetary considerations are studied. Prerequisites: FCS 253/253L Concurrent enrollment: FCS 353L. (S)
- FCS 353L Interior Design Laboratory (1). Concurrent enrollment: FCS 353. (S)
- FCS 401 Family and Consumer Sciences Seminar (1). A culminating study of the philosophy, ethics, and current issues of the profession. Resume development and interviewing practice in preparation for obtaining employment. Development of portfolio. Prerequisite: completion of 24 hours of FCS major core credits. (S)
- **FCS 403 Sociological and Psychological Aspects of Dress (3).** Study of the establishment and social meaning of appearance, its interpretation and importance in social, psychological and cultural contexts. (F)
- FCS 411 Demonstration Techniques Laboratory (1). Observation and practice of the lecture-demonstration methods as a technique for creating interest and imparting information. Prerequisite: completion of 24 hours of FCS major core credits. (S)
- FCS/SOC 415 Sociology of the Family (3).
- FCS 421 Special Problems (1–2). (May be repeated for a maximum of 4 hours.)
- FCS 423 Tailoring (2). Techniques of tailoring; construction of coat or suit. Concurrent enrollment: FCS 423L. Prerequisites: FCS 103/103L. (Every fifth semester.)
- FCS 423L Tailoring Laboratory (1). Concurrent enrollment: FCS 423. (Alt S)
- **FCS 433 Family Finance (3).** Principles of financial management applied to family finances. Analysis of personal and family goals; use of problem solving experiences to develop strategies for managing monetary resources. For FCS majors and minors only. Prerequisite: FCS 131. (Alt S)
- FCS 435 Home Based Entrepreneurship (3). Examination of services or products which have potential for home based businesses. Emphasis on financing a business, market survey and development of a business plan. (Alt S)
- **FCS 443 Experimental Foods (2).** The experimental approach to food study integrating theory and professional research studies with laboratory work. An individual experiment is planned, conducted, evaluated, and reported using formal reporting techniques. Prerequisites: FCS 213/213L. Concurrent enrollment: FCS 443L. (Alt Su)
- FCS 443L Experimental Foods Laboratory (1). Concurrent enrollment: FCS 443. (Alt Su)
- **FCS 461 Family Resource Management (3).** Management techniques to maximize time, energy, and resource use; family process theory; coordination of decision making with values and goals; healthy communication; balancing home and work responsibilities, wellness management. (F)

FCS 468 Workshop in Family and Consumer Sciences (1–3). As announced. (May be repeated for a maximum of 6 hours.)

FCS/BLED/ELED 473 Early Childhood Bilingualism (3). (Su)

FCS/AG/PTE 479 Teaching Vocational Disciplines (2). Prerequisite: Six hours completed in a teacher education program. Should be taken the semester prior to student teaching. (F, S, Su)

- FCS 480 Methods of Teaching FCS (1). Culminating department course in preparation for the teaching experience. Curriculum choice and development, lesson plans, individualization, national and state standards and benchmarks, teaching methods and techniques unique to FCS. Prerequisite: FCS 479.
- **FCS/ELED 482 Methods of Early Childhood Education (4).** Developmentally appropriate curriculum, materials and methods for the early childhood classroom. Prerequisites: FCS 221, 343; Early Childhood Education majors must be admitted to the Teacher Education Program. (Alt F)
- **FCS/ELED 484 Practicum in Early Childhood Education (6).** Placement in an early childhood program. Supervised observation, planning, teaching, evaluation of learners and working with parents of young children. Prerequisites: FCS/ ELED 465/465L or 482; Early Childhood Education majors must be admitted to the Teacher Education Program. (F, S, Su)
- FCS 486 G.R.A.D.S. Teaching Strategies (2). Application of current teaching theories and concepts to the G.R.A.D.S. classroom. Interactive and hand-on applications. Taught in Socorro, NM. May not register for FCS 586. (Su)
- FCS 486L G.R.A.D.S. Teaching Strategies Lab (1). Lesson plan development and application of lesson plans in the actual classroom. Recommended changes to lesson plans based on actual classroom experience. (Su)
- **FCS 489 Field Placement (3).** Field placement under supervision of professional staff from a cooperating off-campus agency and the Family and Consumer Sciences department faculty. This course is graded pass/fail. (May be repeated for a maximum of 6 hours with approval.) Prerequisite: completion of 24 hours in the FCS major core; Family and Consumer Sciences department approval the semester prior to registration; special request form. (F, S, Su)
- **FCS 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- FCS 493 Topics in Family and Consumer Sciences (1–3). As announced. (May be repeated for a maximum of 6 hours.)

Finance (FIN)

- **FIN 201 Principles of Finance (3).** Concepts and techniques of financial management. Also included are the time value of money, basic instruments of financing, financial planning, capitalization, and marketing of securities. May not be taken for academic credit after completion of FIN 311 with a grade of "C" or better. Prerequisites: ACCT 211, 212. (S)
- **FIN 287 Personal Finance (3).** Relating personal financial goals to financial management including credit use, savings, tax considerations and risk management. Financial planning and instruments such as insurance, mortgages, securities and credit cards. Prerequisites: ENG 102; MATH 107. (TBA)
- **FIN 293 Topics in Finance (1–3).** As announced. (May be repeated for a maximum of 6 credits with consent of instructor and advisor).
- **FIN 311 Corporation Finance (3).** Business finance with emphasis on the corporation: methods and instruments of financing, financial plans, capitalization, marketing of securities, administration of income; surplus and dividend policies, consolidation, reorganization and social policy. Prerequisites: ACCT 211, 212; BUS 151, 381; CIS 151; ECON 221, 222; MATH 119; STAT 213. (F, S)
- **FIN 332 Financial Institutions and Environment (3).** Management of the financial institution within the changing global economy. The role of the central bank and the banking system in money creation at the regional, national and international level. Prerequisites: BUS 151; FIN 311. (TBA)

- **FIN 409 Global Economics and Finance (3).** Economic theory as applied to international trade and finance, the international monetary system and policies related to international payments, foreign exchange and capital markets, and contemporary international developments. Prerequisites: BUS 151; CIS 151; ECON 321, 322; FIN 311. (TBA)
- FIN 431 Investments: Principles and Policies (3). Investment practices and analysis; investment institutions; investment objectives, methods of analyzing risks and return; price relationships of securities; development of personal investment plans. Prerequisites: BUS 151; FIN 311. (S)
- **FIN 472 Economic/Finance Problems (3).** The development of theory and case application of economic and financial management techniques. Topics include financial planning and analysis, economic forecasting, capital budgeting, working capital management, valuation and costs of funds. Prerequisites: BUS 151; CIS 151; ECON 321, 322; FIN 311, 332. (S)
- **FIN 489 Internship (1–3).** Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; 3.00 cumulative GPA; instructor and department approval.
- **FIN 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: BUS 151; 3.00 cumulative GPA; instructor and department approval. (TBA)
- **FIN 493 Topics (1–3).** As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisites: BUS 151. (TBA)

French (FR)

- **FR 101 Beginning French (4).** Development of speaking, reading and writing skills and introduction to linguistic structures in a cultural context. (F)
- **FR 102 Continuation of Beginning French (4).** Second semester of Beginning French. Prerequisite: FR 101 or equivalent (consult with instructor). (S)
- **FR 201 Intermediate French (3).** Grammar review and discussion of introductory literary texts from throughout the French-speaking world. Prerequisite: two semesters of Beginning French or equivalent (consult with instructor). (F)
- **FR 202 Continuation of Intermediate French (3).** Second semester of Intermediate French. Prerequisite: FR 201 or equivalent (consult with instructor). (S)
- **FR 268 Workshop in French (1–3).** As announced. (May be repeated for credit.)
- **FR 293 Topics in French (1–3).** As announced. (May be repeated for credit.)
- **FR 311 Advanced Conversation and Composition (3).** Development of spoken and written expression using materials that focus on contemporary French culture. (May be repeated for a maximum of 6 credits with consent of instructor.) Prerequisite: FR 202. (F)
- **FR 420 Readings in French Literature (3).** A. Literature as History, B. Contemporary Themes, C. Theater and Film. Analysis of masterpieces of francophone literature, fiction, drama and poetry. Student writings and discussions in French. (May be repeated for a maximum of 6 credits without repeating listed content areas with consent of instructor.) Prerequisite: FR 202. (S)
- **FR/SPAN 436 Teaching of Modern Languages (3).** For students certifying in elementary and/or secondary education as language teachers. (Alt S)

- **FR 468 Workshop in French (1–3).** As announced. (May be repeated for a maximum of 6 credits.)
- **FR 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 credits.) Prerequisite: consent of instructor.
- FR 493 Topics in French (1–3). As announced. (May be repeated for credit.)

Geography (GEOG)

GEOG/ANTH 103 Humans and Their Environments (3). GEOG/ANTH 233 People and Cultures of the World (3).

- **GEOG/GEOL 304 Geomorphology (3).** Concurrent enrollment: GEOG/GEOL 304L.
- **GEOG/GEOL 304L Geomorphology Laboratory (1).** Concurrent enrollment: GEOG/GEOL 304.

Geology (GEOL)

- **GEOL 113 The Geological Environment (3).** Geological processes and hazards, resources and environmental problems including pollution, global warming and waste disposal. For non-majors only. GEOL 113L optional. (F, S)
- **GEOL 113L The Geological Environment Laboratory (1).** Materials and processes of the solid earth. Optional: if taken, a student must enroll concurrently in GEOL 113 or after taking GEOL 113.
- **GEOL 123 Earth Resources (3).** The occurrence, exploitation and use of Earth resources including metals, agricultural chemicals and minerals, industrial rocks and minerals, energy resources, soil and water resources. GEOL 123L is optional. (F)
- **GEOL 123L Earth Resources Laboratory (1).** Identification and study of important rock and mineral commodities. Solving of practical problems faced by resource geologists. Concurrent enrollment: GEOL 123. (F)
- **GEOL 151 Physical Geology (3).** The study of earth materials and the important internal and surface processes shaping the earth. A field trip is required. Concurrent enrollment: GEOL 151L. (F)
- **GEOL 151L Physical Geology Laboratory (1).** Materials and processes of the solid earth. Three hours laboratory work per week. Concurrent enrollment: GEOL 151. (F)
- **GEOL 152 Historical Geology (3).** Evolution of the earth's surface and the biosphere; ancient environments and plate tectonics. A field trip is required. Prerequisites: GEOL 113/113L or 151/151L. Concurrent enrollment: GEOL 152L. (S)
- **GEOL 152L Historical Geology Laboratory (1).** Fossils, geological environments and processes. Three hours laboratory work per week. Concurrent enrollment: GEOL 152.(S)
- **GEOL 268 Workshop in Geology (1–3).** As announced. (May be repeated for a maximum of 4 hours.)
- **GEOL 293 Topics in Geology (1–3).** As announced. (May be repeated for credit with permission of advisor.)
- GEOL/BIOL 302 Invertebrate Paleontology (3). Morphology, classification and phylogeny of invertebrate fossils. Fossils in stratigraphic correlation and in reconstruction of sedimentary paleoenvironments. A field trip is required. Prerequisites: GEOL 152/152L (open to biology majors without prerequisite). Concurrent enrollment: GEOL 302L. (Alt F)
- **GEOL/BIOL 302L Invertebrate Paleontology Laboratory (1).** Identification, morphology and practical applications of invertebrate fossils. Three hours laboratory work per week. Concurrent enrollment: GEOL 302. (Alt F)

- **GEOL 303 Crystallography-Mineralogy (3).** Crystal symmetry, crystal chemistry, optical and x-ray crystallography, systematic mineralogy. A field trip is required. Prerequisites: CHEM 151/151L, 152/152L (completed or in progress). Concurrent enrollment: GEOL 303L. (Alt F)
- **GEOL 303L Crystallography-Mineralogy Laboratory (1).** Crystal symmetry; identification of minerals using physical and optical properties and x-ray diffraction. Three hours laboratory work per week. Concurrent enrollment: GEOL 303. (Alt F)
- **GEOL/GEOG 304 Geomorphology (3).** The origin and development of landforms and relationship of geomorphic principles to human activities. One or more field trips required. Prerequisites: GEOL 151/151L. Concurrent enrollment: GEOL 304L. (Alt S)
- **GEOL/GEOG 304L Geomorphology Laboratory (1).** Laboratory analysis of landforms and topographic features; topographic maps and photointerpretation. Three hours laboratory per week. Concurrent enrollment: GEOL 304. (Alt S)
- **GEOL 311 Stratigraphy and Sedimentation (3).** Correlation of stratigraphic units; interpretation of ancient environments from the sedimentary rock record; methods of stratigraphic and sedimentological analysis. A field trip is required. Prerequisites: GEOL 152/152L. Concurrent enrollment: GEOL 311L. (Alt S)
- **GEOL 311L Stratigraphy and Sedimentation Laboratory (1).** Rock types, environments of deposition and stratigraphic mapping. Three hours laboratory work per week. Concurrent enrollment: GEOL 311. (Alt S)
- **GEOL 312 Structural Geology (3).** Description, classification and origin of folds, faults, joints and other geologic structures; theory of stereographic projections and structural geologic map interpretation. A field trip is required. Prerequisites: GEOL 151/151L; MATH 120. Concurrent enrollment: GEOL 312L. (Alt S)
- **GEOL 312L Structural Geology Laboratory (1).** Visualizing structures in three dimensions; line projections, solid geometry, faulting and geologic mapping. Three hours laboratory work per week. Concurrent enrollment: GEOL 312. (Alt S)
- **GEOL 313 Photogeology (2).** Aerial photographs for interpretation of geological features; photogrammetric principles and methods of photogeologic mapping. Prerequisites: GEOL 304/304L. Concurrent enrollment: GEOL 313L. (Alt S)
- **GEOL 313L Photogeology Laboratory (1).** Photogrammetric principles and photointerpretation; preparation of photogeologic maps. Four hours laboratory work per week. Concurrent enrollment: GEOL 313. (Alt S)
- **GEOL 324 Regional Field Geology (1).** Mandatory attendance on eight-to-ten-day field trip, one two-hour classroom or field session per week before and after the trip. The structure, stratigraphy, geomorphology, economic geology and other pertinent geologic characteristics of selected areas; field instrumental methods. Preparation of a road log and/or other assigned material in addition to examination. (May be repeated up to 4 hours.) Students will be required to pay their own expenses. Prerequisites: GEOL 151/151L, 152/152L. (S)
- **GEOL 332 Geologic Instruments and Field Methods (1).** The theory of the Brunton compass, telescopic alidade, altimeter; application to field problems. One four-hour class/field period per week. Prerequisites: GEOL 151/151L, 152/152L; MATH 120. (Alt S)

- **GEOL 351 Petrology (3).** The classification, description and genesis of igneous, sedimentary, and metamorphic rocks. One or more field trips are required. Prerequisites: GEOL 201/201L. Concurrent enrollment: GEOL 351L. (Alt S)
- **GEOL 351L Petrology Laboratory (1).** Identification and description of igneous, sedimentary, and metamorphic rocks in hand specimen and thin section. Three hours laboratory per week. Prerequisites: GEOL 201/201L. Concurrent enrollment: GEOL 351. (Alt S)
- **GEOL 403 Petroleum Geology (3).** Theory regarding the origin, migration and accumulation of oil and gas; types of reservoirs; exploration and development of fields. A field trip is required. Prerequisites: GEOL 311/311L, 312/312L. Concurrent enrollment: GEOL 403L. (Alt F)
- **GEOL 403L Petroleum Geology Laboratory (1).** Exercises that simulate work done by petroleum geologists. Problems of contouring, log interpretation and correlation, and other analyses of oil fields and well records. Three hours laboratory per week. Concurrent enrollment: GEOL 403. (Alt F)
- **GEOL 410 Environmental Geology (3).** The human relationship to the geologic environment: resources, utilization and exploitation; how geologic processes past and present have altered economic and sociological patterns. Prerequisite: consent of instructor.
- GEOL 417 Economic Geology (3). Occurrence, classification, temporal and spatial distribution and origin of metallic mineral deposits; exploration, development and mining of deposits. One or more field trips are required. Prerequisites: GEOL 351/351L. Concurrent enrollment: GEOL 417L. (Alt S)
- **GEOL 417L Economic Geology Laboratory (1).** Study of ore sites and exploration techniques. Three hours laboratory per week. Concurrent enrollment: GEOL 417.
- **GEOL 420 Environmental Geochemistry (3).** Review of basic chemical concepts. Geochemistry of natural waters, soil and the atmosphere. Water, soil and air pollution, hazardous waste, and toxicology. Prerequisite: GEOL 113 or GEOL 151. (S)
- **GEOL 424 Geology Summer Field Camp (8).** Geological field procedures, techniques, and instrumentation used in field work in the classic geological areas of the southwest—Arizona, New Mexico, Utah and Colorado. Students are required to pay transportation, food, housing and lab fee to cover course expense. Prerequisites: GEOL 151/151L, 152/152L.
- **GEOL 439 Teaching in Geology (1).** Methods, resources, safety and lesson plans in teaching geology lecture and laboratory. Prerequisites: GEOL 151/151L, 152/152L; senior standing with major or minor in science; consent of instructor. Open only to students working toward teaching licensure. Concurrent enrollment: CHEM 439 and PHYS 439. (F)
- **GEOL/PHYS 450 Principles of Geophysics (3).** The application of basic principles of physics and geology to the study of the earth, with an emphasis on applications to petroleum exploration. Prerequisites: GEOL 311/311L, 312/312L; PHYS 303, 305L. Concurrent enrollment: GEOL 450L.
- **GEOL/PHYS 450L Principles of Geophysics Laboratory (1).** Collection and interpretation of gravimetric, seismic and sonic data. Concurrent enrollment: GEOL 450.
- **GEOL/CHEM 454 Geochemistry (3).** Application of chemical principles to the study of geologic systems, aqueous geochemistry; crystal chemistry; surface chemistry; thermodynamics; oxidation-reduction; radioactive crystal chemistry; surface chemistry; thermodynamics; oxidation-reduction; radioactive and stable isotopes; kinetics. Prerequisites: CHEM 151/151L, 152/152L; GEOL 301/301L. (Alt S)

- **GEOL 465 Senior Research Project (2).** A project for student research; includes original research in geologic mapping (surface or subsurface), or other project deemed fitting; procedures of writing and illustrating the report. Prerequisites: senior standing; at least 24 hours GEOL; consent of instructor.
- **GEOL 468 Workshop in Geology (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- GEOL/BIOL/CHEM/PHYS/ANTH 475 Scanning Electron Microscopy (2). Basic concepts of electron optics, resolution, scanning theory and image formation in the operation of the scanning electron microscope. Laboratory work will include SEM general maintenance, scope alignment, sample preparation and photographic procedures. One hour lecture and three hours laboratory weekly. Lab fee charged to cover laboratory material. Prerequisite: junior standing. (F)
- **GEOL 481 Geological Literature and Writing (1).** (May be repeated for a maximum of 3 hours.) Prerequisite: consent of instructor.
- **GEOL 482 Geology of New Mexico (2).** The stratigraphic, structural and geomorphic history of New Mexico. May not be taken in lieu of General Education science requirement. Field trip required. Prerequisites: GEOL 113/113L or 151/151L. (Alt S)
- **GEOL 484 Geology of Western National Parks (3).** National parks in the American West: Structure, stratigraphy and physiographic evolution. A field trip is required. Prerequisites: GEOL 113/113L or 151/151L. (Alt S)
- **GEOL 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **GEOL 493 Topics in Geology (1–3).** As announced. (May be repeated for credit.)
- **GEOL 494 Senior Seminar (1–2).** Selected professional topics. (May be repeated for a maximum of 2 hours.) Prerequisite: senior standing.

(GR) Greek Courses

- **GR 201 Beginning Greek (4).** Fundamentals of the Greek language. (Alt F)
- **GR 202 Continuation of Beginning Greek (4).** Continuation of GR 201. Fundamentals of the Greek language together with simple passages from the Greek New Testament. Prerequisite: GR 201. (Alt S)
- **GR 268 Workshop in Greek (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **GR 293 Topics in Greek (1–3).** As announced. (May be repeated for credit.)
- **GR 301 Intermediate Greek (3).** The Greek language with reference to John's Gospel and Matthew. Prerequisite: GR 202. (Alt F)
- **GR 302 Continuation of Intermediate Greek (3).** Continuation of GR 301. The Greek language with reference to Paul's writings. Prerequisite: GR 301. (Alt S)
- **GR/REL 423 Advanced Greek Translation and Exegesis (2).** Selected passages from the New Testament and other Greek writings.
- **GR/REL 424 Advanced Greek Translation and Exegesis (2).** As announced. Continuation of GR 423.
- **GR 468 Workshop in Greek (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **GR 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **GR 493 Topics in Greek (1–3).** As announced. (May be repeated for credit.)

Health and Physical Education (HPE)

Activities Courses

The following physical activity classes are designed to provide knowledge and application of fundamental movements and skills that may facilitate participation in activity at the recreation level. **Note:** Classes meet two hours weekly during the fall and spring semesters and four hours weekly during the summer session.

- HPE 101 Soccer (1).
- HPE 102 Softball (1).
- **HPE 103A Racquetball I (1).** Student must furnish racquet. (F, S)
- **HPE 103B Racquetball II (1).** Student must furnish racquet. Prerequisite: HPE 103A.
- **HPE 107 Adaptive Physical Education (1).** Designed to aid students with special developmental needs. (May be repeated for credit with permission of instructor.) (F, S)
- **HPE 110 Concepts in Fitness (1).** Designed for students desiring individualized programs based on indicated needs for health related fitness.
- **HPE III Walking/Jogging (1).** Techniques of walking and jogging. Exercise program individualized for appropriate level of activity.
- **HPE 112 Contemporary Activities/Topics (1).** Varying activities as indicated by topics titles (for example, Contemporary Activities/Yoga).
- HPE 114 Badminton (1).
- **HPE 115 Self-Defense (1).** Introduction to a practical system of weaponless self-defense techniques appropriate for both genders and all ages. (F, S)
- HPE 116 Volleyball (1). (F, S)
- HPE II7A Basketball I (I). (F, S)
- HPE 117B Basketball II (1). Prerequisite: HPE 117A.
- **HPE 118 Marching Band (1).** Prerequisite: consent of instructor. (F)
- HPE 119A Swimming I (1). (F, S)
- HPE 119B Swimming II (1). Prerequisite: HPE 119A.
- **HPE 122 Aerobics/Topics (1).** Aerobic conditioning activities; vary as indicated by topic titles. For example: Aerobics/Aqua, Hi-Lo, Kickboxing, Step. (F, S)
- HPE 124A Weight Training I (I). (F, S)
- **HPE 124B Weight Training II (1).** Advanced techniques and programs for resistance training. Prerequisite: HPE 124A.
- HPE 125 Social Dance (1).
- HPE 132A Golf I (I). (F, S)
- **HPE 132B Golf II (1).** Student must furnish golf clubs. Prerequisite: HPE 132A.
- HPE 138A Tennis I (1). Student must furnish tennis racquet. (F, S)
- **HPE I38B Tennis II (1).** Student must furnish tennis racquet. Prerequisite: HPE 138A.
- **HPE 140 Varsity Spirit Squad (1).** Prerequisite: consent of instructor. (F)
- **HPE I50M Men's Varsity Football (I).** Prerequisite: consent of instructor. (F)
- HPE 152M Men's Varsity Basketball (1). Prerequisite: consent of instructor. (S)
- **HPE I52W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- **HPE I53M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- **HPE 153W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 154M Men's Varsity Baseball (1). Prerequisite: consent of instructor. (S)
- HPE 154W Women's Varsity Softball (1). Prerequisite: consent of instructor. (S)

- HPE 156W Women's Varsity Tennis (1). Prerequisite: consent of instructor. (S)
- HPE 157 Varsity Soccer (1). Prerequisite: consent of instructor. (F)
- **HPE 158 Varsity Track and Field (1).** Prerequisite: consent of instructor. (S)
- **HPE 166W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)
- **HPE 250M Men's Varsity Football (1).** Prerequisite: consent of instructor. (F)
- HPE 252M Men's Varsity Basketball (1). Prerequisite: consent of instructor. (S)
- **HPE 252W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- **HPE 253M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- **HPE 253W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- **HPE 254M Men's Varsity Baseball (1).** Prerequisite: consent of instructor. (S)
- HPE 254W Women's Varsity Softball (1). Prerequisite: consent of instructor. (S)
- HPE 256W Women's Varsity Tennis (1). Prerequisite: consent of instructor. (S)
- HPE 257 Varsity Soccer (1). Prerequisite: consent of instructor. (S)
- **HPE 258 Varsity Track and Field (1).** Prerequisite: consent of instructor. (F)
- **HPE 266W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)
- **HPE 350M Men's Varsity Football (1).** Prerequisite: consent of instructor. (F)
- HPE 352M Men's Varsity Basketball (1). Prerequisite: consent of instructor. (S)
- **HPE 352W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- **HPE 353M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- **HPE 353W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 354M Men's Varsity Baseball (1). Prerequisite: consent of instructor. (S)
- HPE 354W Women's Varsity Softball (1). Prerequisite: consent of instructor. (S)
- HPE 356W Women's Varsity Tennis (1). Prerequisite: consent of instructor. (S)

HPE 357 Varsity Soccer (1). Prerequisite: consent of instructor. (F)

- HPE 358 Varsity Track and Field (1). Prerequisite: consent of instructor. (S)
- **HPE 366W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)
- **HPE 450M Men's Varsity Football (1).** Prerequisite: consent of instructor. (F)
- HPE 452M Men's Varsity Basketball (1). Prerequisite: consent of instructor. (S)
- **HPE 452W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- **HPE 453M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- **HPE 453W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 454M Men's Varsity Baseball (1). Prerequisite: consent of instructor. (S)
- **HPE 454W Women's Varsity Softball (1).** Prerequisite: consent of instructor. (S)
- HPE 456W Women's Varsity Tennis (1). Prerequisite: consent of instructor. (S)

- HPE 457 Varsity Soccer (1). Prerequisite: consent of instructor. (F)
 HPE 458 Varsity Track and Field (1). Prerequisite: consent of instructor. (S)
- **HPE 466W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)

Strategies Courses

HPE 299 Strategies: Topics (2). Strategies courses are designed to prepare physical educators for teaching skills related to physical activity. Classes cover rules of and fundamental skills for activity, techniques for teaching skills, strategies for practicing skills, and assessment methods appropriate to the activity. (May be repeated for credit when topics vary.) Topics: Aquatics, Badminton, Basic Movement, Basketball, Conditioning, Dance for PE, Flag Football, Golf, Health Fitness Instruction, Life Guard Training, Low Organized Games, Racquetball, Recreational Activities, Softball/Baseball, Soccer, Stress Management, Tennis, Track/Field, Volleyball, Water Safety Instruction, Weight Training. Prerequisite: appropriate activity class or consent of instructor. (F, S)

Theory Courses

- **HPE 121 Concepts of Health/Wellness (3).** Concepts of physical, mental/psychological and social health; implications for lifelong health and wellness as influenced by personal behavior choices. (F, S)
- **HPE 142 Fundamentals of Physical Well-being (1).** Concepts of physical well-being: components of physical fitness, nutrition, stress management, disease prevention and other health-related topics. (F, S, Su)
- **HPE 145 Concepts in Physical Education (3).** A foundation in the historical development; the physiological, psychological, and sociological components; current trends; contemporary issues; and the professional elements of physical education. (F)
- **HPE 206 Medical Terminology (2).** A course designed to teach prefixes, suffixes, and root words of Greek and/or Latin origin frequently used in medical terminology. Word part combination practices, pronunciation, spelling, and common medical abbreviations is presented.
- **HPE 209 Basic Care/Prevention: Athletic Injuries (3).** Identifies injury/illness risk factors associated with participation in competitive athletics; plans and implements all components of comprehensive athletic injury/illness prevention program. Prerequisite: HPE 220 or current basic first aid/CPR certification. (S)
- **HPE 211 Foundations/Theories of Health (3).** Addresses the theoretical base for developing behaviors conducive to wellbeing or a change in behaviors conducive to health. Includes an introduction to comprehensive school health programs as well as community and public health programs. (Alt F)

HPE 220 First Aid (2). Required for Red Cross certification. (F, S)

- **HPE 240 Pharmacology and Sports (3).** Examines classifications, therapeutic use, misuse, and effects of drugs related to sports activities. Includes protocols for therapeutic use as well as legal concerns. (S)
- **HPE 245 Theory of Coaching (3).** Philosophy of coaching and leadership, current trends in sports and coaching, contemporary issues, legal aspects and the professional elements of coaching. (S)
- **HPE 268 Workshop in Health and Physical Education (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **HPE 293 Topics in Health and Physical Education (1–3).** As announced. (May be repeated for credit.) (TBA)

- **HPE 302 Curriculum/Program Planning in Health (3).** Elements of planning, developing, implementing, and evaluating health promotion programs, including needs assessment, the writing of goals and objectives, lesson plans/delivery of intervention, and construction of evaluation instruments. (Alt F)
- **HPE 308 Therapeutic Modalities (3).** Theories, applications and methods of various modalities consisting of cryotherapy, electrotherapy, hydrotherapy and thermotherapy, using modern protocols. Principles of contemporary therapeutic modality units of compression, traction and massage. Concurrent enrollment: HPE 308L. (S)
- **HPE 308L Therapeutic Modalities Lab (1).** Concurrent enrollment: HPE 308.
- **HPE 309 Therapeutic Exercise (3).** Implementing a comprehensive rehabilitation/reconditioning program for injuries/illnesses sustained by the competitive athlete. Techniques of flexibility, muscular strength and cardiovascular training. Concurrent enrollment: HPE 309L. (F)
- **HPE 309L Therapeutic Exercise Lab (1).** Concurrent enrollment: HPE 309.
- **HPE 310 Facilities Management (3).** Study of facilities for athletics, physical education and recreation. Includes appropriate concerns of planning, designs and construction and of management, operations, and event marketing . (Alt S)
- **HPE 312 Biomechanics (3).** Mechanical principles of human motion and analysis of basic sport skills. Prerequisite: a 4-credit human anatomy and physiology course with lab. Concurrent enrollment: HPE 312L. (S)
- **HPE 312L Biomechanics Lab (1).** Hands-on experience in units pertaining to neurophysiology/structural kinesiology, planes and axes, movement description, linear and angular kinetics, and linear and angular kinematics and motion analysis. Concurrent enrollment: HPE 312.
- HPE 313 Physiology of Exercise (3). Physiological basis of conditioning; muscle, nervous, and cardio-respiratory systems, metabolism, strength, endurance, and flexibility how to improve performance using scientific information and processes. Prerequisite: a 4-credit human anatomy and physiology course with lab. Concurrent enrollment: HPE 313L. (F)
- **HPE 313L Physiology of Exercise Lab (1).** Demonstrations, handon experiences, and virtual lab experiences related to the functining of the body's physiological systems during acute exercise and as a result of training. Concurrent enrollment: HPE 313.
- **HPE 315 Psychology of Exercise and Sport (3).** The study of the influence of psychological variables and social environment on exercise behavior and sport performance. Applies these principles to the behavior of individuals and to interventions designed to change exercise and sport participation. (Alt S)
- **HPE 321 Wellness: Individual and Global (3).** Concepts and components of holistic wellness and interrelationships among components; theories and strategies for enhancing wellness individually and through public health interventions with attention to cultural and global influences and consequences. (Alt S)
- **HPE 330 Human Sexuality (3).** Concepts in human sexuality: reproduction, sexual response, sex roles, relationships, family living and communication; includes contemporary issues the moral, ethical and legal aspects surrounding sexuality and sex education. (F, S)
- **HPE 331 Coaching of Football (3).** Methods of coaching; teaching individual fundamentals, offensive and defensive team play, strategy and conditioning athletes. (S)

- **HPE 333 Coaching of Basketball (3).** Methods of coaching; teaching individual fundamentals, systems of defense and offense. (F)
- **HPE 335 Measurement/Evaluation of Human Movement (3).** Theory of measurements in health, physical education and sport; selection and administration of appropriate tests; and interpretation of test results by fundamental statistical procedures. (Lecture and laboratory) (S)
- **HPE 337 Coaching of Tennis (3).** Method and philosophies of coaching tennis. Fundamental stroke production techniques; advanced footwork and stroke production; and strategies for singles and doubles. Prerequisites: HPE 138A or HPE 138B or permission of instructor. (Alt F)
- **HPE 338 Coaching of Soccer (3).** Methods and philosophies of coaching soccer. Development of strategies for teaching soccer fundamentals, designing safe and age-appropriate soccer practice activities, designing appropriate training sessions and progressions. (Alt S)
- **HPE 340 Recreation and Intramural Programming (3).** Organization and supervision of intramural and communitybased sport and leisure programs. (S)
- **HPE 341 Coaching of Volleyball (3).** Methods of coaching volleyball; teaching individual fundamentals, drills and offensive/defensive strategies and psychological aspects. (Lectures and laboratory.) (S)
- **HPE 342 Coaching of Track and Field (3).** Various track and field events and methods of teaching each. (Alt S)
- **HPE 345 Legal Aspects: Physical Education (3).** Laws and policies pertaining to physical education, intramural and athletics in the United States. (F)
- **HPE 348 Evaluation of Upper Extremity Injuries (3).** Knowledge and techniques of a thorough initial clinical evaluation of upper body injuries/illnesses sustained by the competitive athlete and formulating an impression of the injury/illness. Concurrent enrollment: HPE 348L.
- **HPE 348L Upper Extremity Injuries Lab (1).** Application of knowledge and techniques of an initial clinical evaluation of upper body injuries. Concurrent enrollment: HPE 348.
- **HPE 349 Evaluation of Lower Extremity Injuries (3).** Knowledge and techniques of a thorough initial clinical evaluation of lower body injuries/illnesses sustained by the competitive athlete and formulating an impression of the injury/illness. Concurrent enrollment: HPE 349L.
- **HPE 349L Lower Extremity Injuries Lab (1).** Application of knowledge and techniques of an initial clinical evaluation of lower body injuries. Concurrent enrollment: HPE 349.
- **HPE 381 Officiating of Sports (3).** Rules and mechanics for officiating sports, includes theory and practice. (F, S)
- **HPE 382 Coaching of Softball and Baseball (3).** Methods of coaching; team development and individual skills. (F)
- **HPE 389 Internship in Athletic Training (3–6).** Practical work in athletic training as required by the National Athletic Trainer's Association. (May be repeated for a maximum of 6 hours.) Prerequisites: HPE 209 and consent of head athletic trainer.
- **HPE 411 Motor Learning (3).** Study of the theory, principles, and factors involved in the learning and performance of motor skills. Prerequisite: a 4-credit human anatomy and physiology course with lab. Concurrent enrollment: HPE 411L. (F)
- **HPE 411L Motor Learning Lab (1).** Hands-on experience in units pertaining to neurophysiology, information processing, arousal, attention, memory, learning models and motor programs, feedback and maturational development. Concurrent enrollment: HPE 411.

- **HPE 433 Methods/Curriculum in Physical Education (2).** Methods for teaching physical activities for various age groups; development of curriculum/training programs; and supervising activity. (F, S)
- **HPE 421 Advocating for Healthy Lifestyles (3).** Peer education focused on healthy lifestyles. Includes such concepts as interpersonal relationships, health and wellness issues, and behavior change models. Development of skills in leadership, resource building, communication, and program development.
- **HPE 468 Workshop in Health and Physical Education (I–3).** As announced. (May be repeated for a maximum 6 hours.)
- **HPE 473 Health Education Methods/Materials (3).** Methods and materials for teaching health education in elementary and secondary school programs. (Alt S)
- **HPE 477 Advanced Athletic Training (3).** Knowledge and skills necessary for comprehensive evaluation of athletic injury and illness. Recognition and management of medical conditions affecting athletic participants. Ascertaining medical history, the use of evaluative tools, knowledge of various conditions and diseases, and clinical evaluation techniques for neurological and musculoskeletal disorders.
- HPE 480 Administration in Physical Education and Athletics(3). Theory and practices in organization and administration of physical education, sport and athletic training programs as related to finances, facilities, equipment, legal aspects, health care services, personnel and public relations. (F)
- **HPE 483 Field Experiences: Topics (1).** Supervised field experiences are intended to provide opportunities for Health and Physical Education majors to participate in hands-on experiences related to their emphasis area. Topics will include PE K-12, Adapted PE K-12, Fitness Training, etc. Prerequisite: HPE 433.
- **HPE 489 Internship in HPE (1–3).** Practical work experience (50 work hours for each credit; maximum 150 hours for 3 credits) in a specific organization (on-campus or off-campus) under the supervision of qualified personnel. Cannot be part of student's current job duties. Prerequisites: approval of agency; consent of advisor. (F, S, Su)
- **HPE 490 Professional Review (3).** Development of professional portfolio; professional ethics; demonstration and application of scientific principles of movement within lesson plans or program plans; involvement with community and professional entities. To be taken the semester immediately prior to graduation or student teaching. (F, S)
- **HPE 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **HPE 493 Topics in Health and Physical Education (1–3).** As announced. (May be repeated for credit.)

Hebrew Courses (HEB)

- **HEB 201 Beginning Hebrew (4).** Fundamentals of Biblical Hebrew. (Alt F)
- **HEB 202 Continuation of Beginning Hebrew (4).** Fundamentals of Biblical Hebrew with simple passages from the Hebrew Bible. Prerequisite: HEB 201. (Alt S)
- **HEB 268 Workshop in Hebrew (1–3).** As announced. (May be repeated for a maximum of 6 hours.).
- **HEB 293 Topics in Hebrew (1–3).** As announced. (May be repeated for credit.)
- **HEB 301 Intermediate Hebrew (3).** Biblical Hebrew prose with reference to selected passages. Prerequisite: HEB 202. (Alt F)

- **HEB 302 Continuation of Intermediate Hebrew (3).** Continuation of HEB 301. Biblical Hebrew poetry with reference to selected passages. Prerequisite: HEB 301. (Alt S)
- **HEB 468 Workshop in Hebrew (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **HEB 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- HEB 493 Topics in Hebrew (1–3). As announced. (May be repeated for credit.)

History (HIST)

- **HIST 101 Survey of American History to 1877 (3).** Development of American principles and ideals from the colonial era through the early national period; issues in sectional divergence and the Civil War and Reconstruction. (F, S, Su)
- **HIST 102 Survey of American History since 1877 (3).** Changes which brought the urban/industrial society of today into being; World Wars I and II and after. (F, S)
- **HIST 121 Survey of Western Civilization (3).** Egyptian, Mesopotamia and Cretan civilizations; early Greek political and intellectual development; Rome and the rise of the Christian Church; life and society in the Medieval period and the Renaissance in Italy and the North. (F, S)
- **HIST 122 Survey of Western Civilization (3).** The Protestant Reformation and the birth of the modern world; rise of Absolutism, reactions to the rise in war and revolution; western technology, social and intellectual history; political trends to the present. (F, S)
- **HIST 203 New Mexico (3).** New Mexico's Indian, Spanish, Mexican and American epochs; internal development and problems of the state; New Mexico's place in the United States. (F)
- **HIST 293 Topics in History (1–3).** As announced. (May be repeated for credit.) (S)
- **HIST 305 Imperialism to Globalism (3).** An historical examination of the variations, interests and interdependencies of western and non-western cultures in the last 500 years. (Alt S)
- HIST 311 Women in American History (3). Women's participation in American history from colonial period to the present; political, social, economic and cultural issues. (Alt S)
- **HIST 321 Greece and Rome in the Ancient World (3).** Political and intellectual developments of Greece; the Roman Republic and Empire: political, legal, social and economic considerations. (Alt F)
- **HIST 322 The Middle Ages, 300–1300 (3).** The decline of the Roman Empire; the rise of feudalism and manorialism; the rise of the medieval papacy; the beginning of the national state. (Alt S)
- **HIST 324 Renaissance and Reformation 1300–1648 (3).** The decline of feudalism, the rise of the national state; culture and the arts; the decline of the universal church; and the impact of the Reformation. (Alt F)
- **HIST 372 The American Military Experience (3).** The colonial era through the Vietnam War; wars and tactical accounts of battles; industrial, economic and political impacts on the military; role of the military in American life. (Alt F)
- **HIST 375 Modern Russia, 1815 to the Present (3).** Europe after Napoleonic Wars; Tsarist government and society; rise of underground political activities; Revolutions of 1917; USSR from 1917 to present. (Alt S)

- **HIST 377 Latin American Experience (3).** Latin America's multiethnic history including the development of economic and political institutions, social organizations and cultural expressions that evolved from pre-Columbian times. (Alt F)
- **HIST 379 Introduction to Middle East (3).** Cultural, social, economic and political history of the Middle East. (Alt S)
- **HIST 381 Asian Experience (3).** Cultural traditions and comparative histories of India, China and Japan from classical eras to the present. (Alt S)
- **HIST 407 Evolution of Mexican Society (3).** Political, economic, social and cultural development from pre-Columbian period to the present. (Alt S)
- **HIST/PSY 409 Teaching Social Studies (3).** Curriculum, materials, methods, evaluation and related aspects of instruction; integration of content and methodology. (F)
- HIST 419 Absolutism and Enlightenment, 1648–1789 (3). Political, economic and social issues in Europe during the ages of Absolutism and Enlightenment, with special emphasis on original research and historiographical study. (Alt F)
- **HIST 425 Revolution and Reaction, 1789–1914 (3).** Topics in the political, economic and social history of Europe from the French Revolution to World War I, with special emphasis on original research and historiographical study. May be repeated for credit with a different subject emphasis. (Alt S)
- **HIST 426 Aspects in British History (3).** Chronological or issue studies, with special emphasis on historiographical interpretation and the development of political, legal, social and economic institutions. (Recommended for those considering careers in law or government). (Alt F)
- **HIST 428 Europe, 1914–Present (3).** Topics in the political, economic and social history of European nations and their interactions from World War I, with special emphasis on original research and historiographical study. (Alt F)
- **HIST 430 American Revolutionary Era (3).** History of the American Revolution, Constitutional developments and the new government. (Alt F)
- **HIST 432 The American West (3).** The movement of the American people after the Revolution into the trans-Mississippi West and Southwest; the economic, social and political impact on the native populations, the environment and the people themselves. (Alt F)
- HIST 433 The Civil War Era (3). The antecedents to the American Civil War, the war itself and the aftermath of the conflict. (Alt S)
- **HIST 447 U.S. Progressive Era (3).** United States' response to industrialization including the development of progressivism and imperialism abroad. (Alt S)
- **HIST 448 The United States, 1930–Present (3).** Political, economic and social trends; the Great Depression and the New Deal; World War II; the Cold War, at home and abroad (Alt F)
- **HIST 468 Workshop in History (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **HIST 490 Senior Portfolio in History (1).** Focus on thematic issues; emphasis on research, writing, and presentation of relevant research amassed as part of the undergraduate experience. Required of all majors in the senior year. (F, S)
- HIST 491 Directed Study (1–3). As announced. (May be repeated for credit.)
- **HIST 493 Topics in History (1–3).** As announced. (May be repeated for credit.) (S)

Honors (HON)

HON 497 Honors (1). Senior honors seminar and project preparation; required fall and spring semesters for Platinum Honors Program students; counts towards General Education or elective requirements. Prerequisites: consent of instructor and Director of Honors Program. (May be repeated for a maximum of four hours with consent of instructor). (F, S)

Humanities (HUM)

- **HUM 105 Introduction to Women's Studies (3).** The history of women represented in popular culture, literature and art, and the female experience in relationships, education, and employment. Emphasis on interactions of race, class and gender. (S)
- **HUM 171 The Chicano in American Humanities (3).** The role of the Chicano in American art, literature, music, architecture and philosophy. (F)
- **HUM 173 The Native American in American Humanities (3).** The role of the Native American in American art, literature, music, architecture and philosophy. (F)
- **HUM 175 The Black in American Humanities (3).** The role of the Black in American art, literature, music, architecture and philosophy. (F)
- **HUM 221 Introduction to World Humanities (3).** Classical world traditions; African, Asian, European and Native American, including their philosophies, arts, literature and history in selected representative works. (F, S)
- **HUM 222 Introduction to Modern World Humanities (3).** Modern world cultures of Africa, Asia, Europe and North and South America; their philosophies, arts, literature and history in selected representative works. (F, S)
- **HUM 268 Workshop in Humanities (1–3).** As announced. (May be repeated for a maximum of 4 hours.)
- HUM 272 The Chicano in American Humanities in the Twentieth Century (3). The role of the Chicano in American art, literature, music, architecture and philosophy. (S)
- HUM 274 The Native American in American Humanities in the Twentieth Century (3). A continuation of HUM 173. The role of the native American in American art, literature, music, architecture and philosophy. (S)
- HUM 276 The Black in American Humanities in the Twentieth Century (3). A continuation of HUM 175. The role of the Black in American art, literature, music, architecture and philosophy. (S)
- **HUM 293 Topics in Humanities (1–3).** As announced. (May be repeated for credit)
- **HUM 301 Introduction to Oriental Humanities (3).** Oriental culture and thought analyzed through a survey of pertinent history, philosophy, literature and art. (F)
- **HUM 302 Introduction to African Humanities (3).** Near East and African cultures: pertinent history, philosophy, literature, art and music. (S)
- **HUM 303 Introduction to Latin American Humanities (3).** Central and South American cultures: history, philosophy, literature, art and music.
- **HUM 468 Workshop in Humanities (1–3).** As announced. (May be repeated for a maximum of 4 hours.)
- **HUM 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- HUM 493 Topics in Humanities (1–3). As announced. (May be repeated for credit.)

Management (MGT)

- **MGT 293 Topics in Management (1–3).** As announced. (May be repeated for a maximum of 6 credits with consent of instructor and advisor.)
- **MGT 313 Management and Organizational Behavior (3).** Principles of management and an investigation of individual, group and organizational behavior in the multicultural environment. Concepts in the behavioral sciences used to evaluate and improve inter-personal relations and organizational practices in the work place. Prerequisite: BUS 151. (F, S)
- **MGT 314 Human Resources Management (3).** Investigates the variety of issues associated with managing the human resources of a firm. Such topics may include employment law, recruitment, training, compensation, benefits, labor relations, and safety. Prerequisites: BUS 151; MGT 313. (TBA)
- **MGT 415 Compensation Management (3).** Study of the issues necessary to design a compensation system of wages and benefits for an organization. Prerequisites: BUS 151; CIS 151; ECON 221; MGT 313; STAT 213. (TBA)
- **MGT 425 Human Resource Development (3).** Study of the concepts and theories necessary for the design and delivery of training activities within the workplace. Prerequisites: BUS 151; MGT 313. (TBA)
- **MGT 435 Managing the Diverse Workforce (3).** Examines the challenges facing organizations with a diverse workforce. Emphasizes the rewards and the problems of diversity in the workplace. Prerequisites: BUS 151; MGT 313. (TBA)
- **MGT 436 Labor Management Relations (3).** Principal statutes, administrative board decisions and common law applications to the problems of labor management relations; impact of collective bargaining and labor contracts to managerial decisionmaking; labor and management rights and duties under current labor legislation; wage structures and federal and state laws affecting wages. Prerequisites: BUS 151; MGT 313. (TBA)
- **MGT 475 Organization Change and Development (3).** Critical examination of organizational change; goals, strategies and empirical evidence of results. Organizational change programs examined in terms of both organization-environment congruence and fit among internal organizational components. Prerequisites: BUS 151; MGT 313. (TBA)
- **MGT 489 Internship (1–3).** Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; MGT 313; 3.00 cumulative GPA; instructor and college approval. (TBA)
- **MGT 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: BUS 151; MGT 313; 3.00 cumulative GPA; instructor and department approval. (TBA)
- **MGT 493 Topics (1–3).** As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisite: BUS 151. (TBA)

Marketing (MKT)

- **MKT 301 Principles of Marketing (3).** Functions, organizations and methods involved in marketing agricultural and manufactured products; marketing problems; policies and trends. Prerequisites: BUS 151; ECON 222. (F, S)
- **MKT 322 Retailing and E-Commerce (3).** Organization, management and operation of retail enterprises; problems associated with store location and layout, buying, receiving, inventorying and stock control, pricing and merchandising. Prerequisite: MKT 301. (S)
- MKT 360 Professional Selling (3). Problems related to the field of personal selling. Prerequisites: MKT 301. (F)
- **MKT 362 Sales Management (3).** Problems related to planning, direction and control of personal salesmanship including recruiting, selection, training, equipping, assigning, routing, supervising, paying and motivating as these tasks apply to the sales force. Prerequisite: MKT 301. (TBA)
- **MKT 419 Consumer Behavior (3).** Examines and evaluates the decision-making process with reference to sociopsychological and economic factors. Explores both consumer and industrial buyer behavior. Prerequisites: MKT 301. (TBA)
- MKT 425 Marketing Management (3). Integrates the full scope of marketing activities. Prerequisites: BUS 381; MKT 301. (S)
- **MKT 430 International Marketing (3).** Management of the marketing function in the international and multinational context. Emphasis upon the impact of economic, political and cultural factors. Prerequisite: MKT 301. (TBA)
- **MKT 452 Integrated Marketing Communications (3).** Planning, organizing, directing, and controlling the promotion mix. Creative strategy; budgets; media planning; promotion research; evaluation of communications efforts. Prerequisite: MKT 301. (TBA)
- **MKT 489 Internship (1–3).** Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Prerequisites: MKT 301; 3.00 cumulative GPA; instructor and department approval. (TBA)
- **MKT 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: MKT 301; 3.00 cumulative GPA; instructor and department approval. (TBA)
- **MKT 493 Topics (3).** As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisite: MKT 301. (TBA)

Mathematics (MATH)

Note: Some math courses require prerequisites that can be fulfilled with satisfactory ACT/SAT scores. These minimum scores may be satisfied in the following ways:

For courses with MATH 101 as a prerequisite, satisfactory scores are defined as

- 1. ACT math score of 19 or higher **OR**
- 2. SAT math score of 470 or higher.

For courses with MATH 107 as prerequisite, satisfactory scores are defined as

- 1. ACT math of 24 or higher **OR**
- 2. ACT math of 22 or 23 **AND** an algebra/geometry subscore of 9 **OR**
- 3. SAT math of 530 or higher.
- For courses with MATH 119 as a prerequisite, satisfactory scores are defined as:
- 1. ACT math of 26 or higher OR
- 2. SAT math of 600 or higher.
- **MATH 101 Basic Algebra (4).** Brief review of fractions, decimals and percents. Operations in algebra, first-degree equations and inequalities, rational expressions, exponents, polynomials, factoring. Credit not applicable to baccalaureate or associate degrees. (F, S)
- **MATH 107 Intermediate Algebra (3).** Linear equations, inequalities, systems of equations, polynomials and factoring, quadratic equations, rational expressions, and graphing. Prerequisite: Satisfactory ACT/SAT score or MATH 101 with a grade of "C" or better. (F, S)
- **MATH 113 Mathematical Discovery (3).** Appreciation for the beauty and extent of mathematics; logical reasoning and problem solving strategies. Topics chosen from: set theory, logic, algebra, geometry, recreational math, number theory, graph theory, matrix algebra. Prerequisite: Satisfactory ACT/ SAT score or MATH 101 with a grade of "C" or better. (F, S)
- **MATH 114 Mathematics of Decision Making (3).** Critical thinking in everyday life. Topics: Probability, counting techniques, expected value, fundamental ideas of statistics, the use and misuse of statistics encountered in everyday life. Prerequisite: Satisfactory ACT/SAT score or MATH 101 with a grade of "C" or better. (S)
- **MATH 119 College Algebra (3).** Equations and inequalities, functions and their graphs, exponential and logarithmic functions, complex numbers, roots of polynomials, binomial theorem, sequences. Prerequisite: Satisfactory ACT/SAT score or MATH 107 with a grade of "C" or better. (F, S)
- **MATH 120 Plane Trigonometry (3).** Trigonometric functions, logarithms, complex numbers. Prerequisite: Satisfactory ACT/ SAT score or MATH 107 with a grade of "C" or better. (F, S)
- **MATH 124 Calculus I (4).** Limits, derivatives, the mean value theorem, curve sketching, max-min problems, antiderivatives, the definite integral, the fundamental theorem of calculus, area, volume, work, average of a function. Prerequisites: MATH 119 and 120 with a grade of "C" or better or satisfactory ACT/SAT score. (F, S)

- MATH 132 Calculus II (4). Inverse functions, exponential and logarithmic functions, inverse trig functions, l'Hospital's rule, techniques of integration, improper integrals, arc length, moments and centers of mass, sequences and series. Prerequisite: MATH 124. (F, S)
- MATH 202 Calculus III (4). Parametric equations, polar coordinates, three-dimensional geometry and vectors, partial derivatives, multiple integrals, vector calculus. Prerequisite: MATH 132. (F, S)
- MATH 215 Calculus for Business (3). Basic concepts for differential and integral calculus to provide an operational knowledge of calculus, methods and techniques to solve quantitative problems in business and economics. (Business students only.) Prerequisite: MATH 119.
- **MATH 261 Mathematical Concepts I (3).** The fundamental operations and an intuitive development of whole numbers, integers and rational numbers; elementary number theory; introduction to problem solving strategies; introduction to functions and modeling. Prerequisite: one of the following: (1) ACT score greater than or equal to 19/SAT score greater than or equal to 470 or (2) MATH 101 and MATH 107 each with a grade of "C" or better. (F, S)
- **MATH 268 Workshop in Mathematics (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- MATH 293 Topics in Mathematics (1–3). As announced. (May be repeated for credit.)
- **MATH 317 Introduction to Geometry (3).** Two- and threedimensional Euclidean geometry and non-Euclidean geometry. Prerequisite: 9 hours of college math. (S)
- **MATH 340 Foundations of Higher Mathematics (3).** Sets and logic, properties of integers, mathematical induction, functions, limits, sequences. Prerequisite: MATH 132. (F)
- **MATH 341 Abstract Algebra I (3).** Formal algebraic systems: rings, fields, order relations, groups, modular arithmetic. Prerequisite: MATH 340. (S)
- MATH 351 Ordinary Differential Equations (3). Ordinary differential equations and methods for solving such equations; power series and Laplace transformations; elementary theory of existence and uniqueness of solutions. Prerequisite: MATH 202. (F)
- MATH 352 Introduction to Linear Algebra (3). Elementary treatment of linear algebra; topics include systems of linear equations, matrices, determinants, vector spaces, linear transformations, and eigenvalues and eigenvectors. Prerequisite: MATH 202 or 340 or CS 220. (S)
- MATH 361 Mathematical Concepts II (3). Real numbers, nonaxiomatic approach to geometry, mensuration with metric units, coordinate geometry, probability and statistics. Prerequisite: MATH 261. (F, S)
- MATH 371 Real Analysis (3). An introduction to the theory of calculus. Real numbers, limits, sequences, series, continuity, differentiation, integration. Prerequisite: MATH 340. (Alt S)
- **MATH 407 Introduction to Complex Variables (3).** Concepts of complex integration, differentiation, and mappings. Prerequisite: MATH 202.
- MATH/CS 409 Numerical Analysis I (3). Solutions of equations in one variable, interpolation and polynomial approximation, numerical integration and numerical solutions of initial-value problems. Prerequisites: MATH 132; CS 123. (Alt F)
- MATH/CS 410 Numerical Analysis II (3). Numerical linear algebra, numerical solutions of nonlinear systems of equations, partial differential equations and two-point boundary-value problems. Prerequisites: MATH 132; CS 123. (Alt S)

- **MATH 413 History of Mathematics (3).** Concepts, symbols, and operations in mathematics; mathematical history in the teaching and learning of mathematics. Prerequisite: consent of instructor.
- MATH 415 Set Theory (3). Axioms for sets, ordering, cardinality, natural numbers, real numbers, cardinal numbers, axiom of choice. Prerequisite: consent of instructor.
- MATH 420 Combinatorial Analysis (3). Enumeration techniques; permutations, combinations, occupancy problems, generating functions, inclusion and exclusion, recurrence relations, Polya's theory of counting. Prerequisite: CS 220 or MATH 340 or consent of instructor.
- MATH 422 Graph Theory (3). Trees, networks, cycles and circuits, planarity, colorability, matchings, independence, selected topics as time permits. Prerequisite: CS 220 or MATH 340 or consent of instructor. Recommended: CS 123.
- **MATH 423 Partial Differential Equations I (3).** Partial differential equations; Fourier series; techniques for solving heat, wave and potential equations. Prerequisite: MATH 351. (Alt F)
- **MATH 424 Partial Differential Equations II (3).** Fourier integrals; partial differential equations in higher dimensions; numerical solutions; selected topics as time permits. Prerequisite: MATH 423. (Alt S)
- **MATH 425 Mathematical Logic (3).** Quantifiers, deductive proofs, predicate calculus, Godel's theorem. Prerequisite: MATH 340.
- **MATH 429 Teaching of Mathematics (3).** Methodology in secondary mathematics. Classroom management, lesson plans, testing, evaluation, grades and record keeping, curriculum, teaching high school algebra and general mathematics. (F)
- MATH 442 Abstract Algebra II (3). Applications of abstract algebra: topics include permutation groups, symmetry groups, codes, graph theory, Boolean algebra, logic, networks. Prerequisite: MATH 341.
- **MATH 451 Linear Algebra (3).** Advanced topics in linear algebra: topics include vector spaces, matrix algebra, inner product spaces, algebraic eigenvalue problems, Jordan forms and computations with matrices. Prerequisite: MATH 352.
- **MATH 468 Workshop in Mathematics (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **MATH 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- MATH 493 Topics in Mathematics (1–3). As announced. (May be repeated for credit.)

Music (MUS)

Music Ensembles (1). Letter grades will be given for all ensembles. (May be repeated for credit.) 200 level ensembles are open to all students including music majors and music minors. 400level ensembles are open only to junior and senior music majors and music minors.

Large Ensembles:

_	uige Liise	.mores.					
Ν	1US	276, 476	University Singers (1) (F, S)				
Ν	1US	237, 437	Chamber Singers (1)				
			(Open by audition only) (F, S)				
Ν	1US	297, 497	Marching Band (1) (F)				
Ν	1US	298, 498	Symphonic Band (1) (S)				
Small Ensembles:							
Ν	1US	247, 447	Swanee Singers (1)				
			(Open by audition only) (F)				
Ν	1US	269, 469	Instrumental Ensembles:				
			Wind Ensemble (1)				
			(Open by audition only) (F, S)				
			Steel Drum Ensemble (1) (F, S)				
			Percussion Ensemble (1) (F, S)				
			Brass Ensemble (1) (F, S)				
			Woodwinds (1) (F, S)				
			Flute Choir (1) (F, S)				
			Saxophone Ensemble (1) (F, S)				
Ν	1US	274, 474	Jazz Ensemble (1)				
			(Open by audition only) (F, S)				
plied Music (1–3). (By audition only.)							

Applied Music (1–3). (By audition only.)

Private Lessons for Non-Majors (may be repeated for credit) MUS 208/408 Private Lessons for the Non-Major

Private Lessons for Majors (may be repeated for credit) Required of all music majors. One half hour lesson per week for 1 credit. One hour lesson per week for 2 credits. One hour lesson plus a seminar per week or equivalent for 3 credits. Music majors must attend a one-hour weekly Studio Class. All music majors must pass an assessment examination before they are permitted to enroll in 400-level applied courses.

MUS	209,	409	Secondary	Instrument

- MUS 210, 410 Voice
- MUS 220, 420 Piano
- MUS 240, 440 Woodwind Instruments
- MUS 250, 450 Brass Instruments
- MUS 258, 458 Composition
- MUS 260, 460 Percussion Instruments
- MUS 270, 470 Electronic Media
- MUS 290, 490 Organ
- **MUS 101 Music Reading (3).** For non-music majors. Notation, note values, meters, scales, key signatures, intervals and chords. Exercises in music reading and aural perception. Recommended for elementary classroom teachers and for others wishing to develop skills in reading music. Also a basic course for music majors deficient in musical background.
- **MUS 107 Beginning Piano for Adults I (2).** For non-music majors. A course designed to provide the adult beginner with elementary piano skills. Includes: reading music notation; recognition of keyboard patterns, keys, and chords; development of technique sufficient to play easy pieces.
- MUS 108 Beginning Piano for Adults II (2). For non-music majors. Continuation of MUS 107. Prerequisite: MUS 107.

- MUS 113 Music Appreciation (3). For non-music majors. Attempts to answer the question "What is music?" by acquainting students with knowledge and appreciation of music from several cultures and times. Includes contact with music through discussion, guest artists and recorded music. No previous musical training is needed. Topics may vary by semester. A. Survey of Western Music; B. Introduction to Jazz; C. Survey of Rock and Roll; D. Survey of Musical Theatre. (F, S)
- **MUS 114 Fundamentals of Voice (1).** Laboratory experiences to help solve vocal problems and develop singing potential through group methods; emphasis on development of breathing, phonation, articulation and expression. (May be repeated for a maximum of 4 credits.) (F, S)
- **MUS 117 Fundamentals of Piano (1).** For music majors with little or no previous training in piano. (F)
- MUS 118 Fundamentals of Piano (1). Prerequisite: MUS 117. (S)
- **MUS 119 Fundamentals of Guitar (1).** Basic guitar skills including both classical and folk styles. For students with little or no previous training in guitar. (May be repeated for credit.) (F, S)
- **MUS 151 Music Theory I (3).** Theoretical concepts including scales, intervals, triads and acoustical properties of sound as they relate to music; rhythmic, melodic and formal structures. Prerequisite: placement examination to be given on the first day of class. (F)
- **MUS 152 Music Theory II (3).** Theoretical concepts, functional harmony, part writing, employing triads, seventh chords. Prerequisite: placement test or MUS 151. (S)
- **MUS 153 Aural Skills I (1).** Development of music reading and aural perception. Prerequisite: placement test. (F)
- **MUS 154 Aural Skills II (1).** Development of music reading and aural perception. Prerequisite: MUS 153. (S)
- **MUS 163 Literature of Music (3).** A survey of music through listening and score study emphasizing musical styles, form and works of composers. (S)
- **MUS 181 MIDI I (3).** Basic skills in the use of MIDI (Musical Instrument Digital Interface) to include MIDI time code, tone generation, notation sequencing, educational applications and computer assisted instruction. Includes lab experiences in MIDI production. Prerequisite: MUS 101. (Alt F)
- **MUS 182 Music Recording Techniques I (3).** Beginning study in the recording of music. Basic concepts of stereophonic recording including: signal strength, microphones and microphone placement, equalization and recording media. (Alt F)
- **MUS 200 Jazz Theory (2).** Chords, modes, aural skills, basic keyboard skills and reharmonization techniques in the jazz and commercial idioms. Prerequisites: MUS 152, 154. (Alt F)
- **MUS 208 Private Lessons for the Non-Major (1).** Studio instruction in voice, keyboard, percussion, string or wind instruments for students not majoring in music. (May be repeated for credit.) Prerequisites: consent of instructor; MUS 108 for piano majors; MUS 114 for voice majors. (F, S)
- MUS 209 Applied Lessons: Secondary Instrument (1–3). Private lessons for music majors on instruments (and voice) other than their principal instrument. (May be repeated for a maximum of 3 credits.) Prerequisite: consent of instructor. (F, S, Su)
- **MUS 212 Assessment I (NC).** Critique of musical performance by music faculty and outside professionals; oral presentation including written documentation to assess students' abilities, artistic identity and future directions. (Freshmen and sophomores must enroll each spring semester). Prerequisite: music major. May be repeated. (F, S)

MUS 217 Fundamentals of Piano (1). Prerequisite: MUS 118. (F) MUS 218 Fundamentals of Piano (1). Prerequisite: MUS 217. (S)

- **MUS 219 Recital Attendance (NC).** Attendance at a minimum of 12 approved events per semester. A total of seven semesters required, MUS 219/419. (F, S)
- **MUS 251 Music Theory III (3).** Functional harmony, analytical systems, eighteenth-century counterpoint, formal designs and chromatic harmony. Prerequisite: MUS 152. (F)
- MUS 252 Music Theory IV (3). Impressionism and an exploration of twentieth-century compositional procedures as related to rhythm, melody, harmony, texture and formal structures. Prerequisite: MUS 251. (S)
- **MUS 253 Aural Skills III (1).** Music reading and development of aural perception. Prerequisite: MUS 154. (F)
- **MUS 254 Aural Skills IV (1).** Music reading and development of aural perception. Prerequisite: MUS 253. (S)
- **MUS 263 Stagecraft for Singers (1).** Practicum in performance and production for rotating schedule of music theatre/opera. Stage movement, design/construction of set, costumes, lighting and sound. Requires an audition for major production. May be repeated for credit.
- **MUS 265 Introduction to Piano Pedagogy (2).** Overview of the piano teaching profession; concepts and materials; observation of individual and group instruction. (Alt S)
- MUS 268 Workshop in Music (1–3). (May be repeated for credit.)
- **MUS 281 MIDI II (3).** Intermediate study in MIDI technology to include: SMPTE time code, system exclusive commands, music publication, sound track and multimedia applications of MIDI technologies. Prerequisite: MUS 181. (Alt S)
- **MUS 282 Music Recording Techniques II (3).** Continued study in the recording of music to include: Multi tracking, DAT, DCC, CD, Dolby, multiple microphone mixing, digital effects processing and SMPTE. Prerequisite: MUS 182. (Alt S)
- **MUS 293 Topics in Music (1–3).** As announced. May include topics relating to theory, history or performance. (May be repeated for credit.)
- **MUS 301 Jazz Improvisation I (2).** Chord and mode study on primary instrument. Study of standard jazz tunes and transcriptions of recorded jazz solos. Prerequisite: MUS 151. (Alt S)
- **MUS 302 Junior Recital (NC).** For bachelor of music education degree and piano minor only. Prerequisite: consent of instructor. (F, S)
- **MUS 306 Conducting I (1).** Introduction to basic conducting techniques: patterns, gesture, starts and stops, cues, fermatas, use of the left hand. Prerequisites: MUS 251, 253. (S)
- **MUS 307 Junior Recital (1).** For bachelor of music degree only. Prerequisite: consent of instructor. (F, S)
- **MUS 332 Functional Piano (1).** Laboratory experience in functional piano skills. Development of sight reading, transposing, harmonization and improvisational skills. Prerequisite: MUS 218. (F)
- **MUS 333 History of Music I (3).** Music from the beginning of Western Civilization to 1750. Prerequisite: music major. (F)
- **MUS 334 History of Music II (3).** Music from 1750 to present. Prerequisite: music major. (S)
- **MUS 360 Choral Arranging (2).** Techniques of arranging for vocal ensembles of various capabilities and sizes. Prerequisite: MUS 252. (Alt F)
- **MUS 362 Orchestration and Arranging (2).** Functional knowledge of wind, string, fretted and percussion instruments. Arranging and transcribing music for various instrumental ensembles. Prerequisite: MUS 252. (S)
- **MUS 363 Language Diction I (2).** English, Italian and Spanish pronunciation for singers, presented through the medium of the International Phonetic Alphabet. Prerequisite: consent of instructor. (Alt F)

- **MUS 364 Language Diction II (2).** German and French pronunciation for singers, presented through the medium of the International Phonetic Alphabet. Prerequisite: MUS 363. (Alt S)
- **MUS 365 Piano Pedagogy I (3).** For piano majors and minors. Development of piano teaching skills; evaluation of major methods and materials, practical teaching experience. Prerequisite: MUS 265. (Alt F)
- **MUS 366 Piano Pedagogy II (3).** For piano majors and minors. Piano teaching skills and materials with emphasis on supplementary sets. Problems of interpretation and technique, research on special topics, practical teaching experience. Prerequisite: MUS 365. (Alt S)
- **MUS 367 Practicum in Piano Pedagogy (1).** Supervised teaching experience in the Preparatory Department; to be taken concurrently with MUS 365 or MUS 366. May be repeated for a maximum of 4 credits. Prerequisite: MUS 265. (F, S)
- **MUS 375 Survey of Music Theatre (3).** This course discusses the history of musical theatre literature with a close examination of the political, social and cultural impact of the genre. Particular attention is paid to the repertoire of the twentieth century, with the accompanying activism regarding racial rights, women's rights and gay rights. (Alt S)
- **MUS 401 Vocal Literature I (2).** German Lied and Italian Art Song. (Alt F)
- **MUS 402 Vocal Literature II (2).** French art song, song literature from the United States, England, Spain, Scandinavia and the Eastern Bloc countries. (Alt S)
- **MUS 407 Senior Recital (1).** For bachelor of music degrees in performance. Prerequisite: consent of instructor (F, S)
- **MUS 408 Private Lessons for the Non-Major (1).** Studio instruction in voice, keyboard, percussion, string or wind instruments for students not majoring in music. (May be repeated for credit.) Prerequisites: consent of instructor; MUS 108 for piano majors; MUS 114 for voice majors.
- **MUS 409 Applied Lessons: Secondary Instrument (1–3).** Private lessons for music majors on instruments (and voice) other than their principal instrument. (May be repeated for a maximum of 3 credits.) Prerequisite: consent of instructor. (F, S, Su)
- **MUS 411 Conducting II (1).** Conducting techniques, emphasizing rehearsal procedures and score study; interpretation of expression, tempo markings and foreign musical terms. A. Choral B. Instrumental. Prerequisite: MUS 306. (F)
- **MUS 412 Assessment II (NC).** Critique of musical performance by music faculty and outside professionals; oral presentation including written documentation to assess students' abilities, artistic identity and future directions. (Juniors and seniors must enroll each spring semester). Prerequisites: MUS 212; music majors only. May be repeated. (F, S)
- **MUS 419 Recital Attendance (NC).** Attendance at a minimum of 12 approved events per semester. A total of seven semesters required, MUS 219/419. (Junior, Senior) (F, S)
- **MUS 452 Form and Analysis (2).** A study of the significant small and large formal structures displayed by the music of the eighteenth and nineteenth, and twentieth centuries. Prerequisite: MUS 252. (Alt F)
- **MUS 454 Senior Project (3).** A documented project chosen by the student and directed by a faculty-approved committee for topic and content. Suggested options: lecture/recital; pedagogical project; electronic media project; research paper; or concert production. Prerequisites: consent of advisor and chair of department of music. (TBA)

- **MUS 459 Internship in Music (6).** On-the-job training in a public or commercial institution. A minimum of eight weeks of training in an approved facility followed by a written report prepared under the supervision of the cooperating institution and the student's advisor. (F, S)
- **MUS 463 Stagecraft for Singers (1).** Practicum in performance and production for rotating schedule of music theatre/opera. Stage movement, design/construction of set, costumes, lighting and sound. Requires an audition for major production. May be repeated for credit.
- **MUS 464 Chamber Music Performance (1).** Options: Performance of piano ensemble literature; accompanying of degree recitals; performing in mixed ensembles. (May be repeated for credit.) (F, S)
- **MUS 468 Workshop in Music (1–3).** As announced. (May be repeated for credit.)
- **MUS 471 Piano Literature I (2).** Analysis of piano literature through Beethoven. Prerequisite: completion of Sophomore Assessment (MUS 212). (Alt F)
- **MUS 472 Piano Literature II (2).** Analysis of piano literature after Beethoven. (Alt S)
- **MUS 481 Vocal Pedagogy (3).** Problems encountered by teachers of studio voice; demands individual study and research which encompasses the physiological and psychological approaches to teaching singing. (Alt F)
- **MUS 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 credits.) Prerequisite: consent of instructor.
- **MUS 493 Topics in Music (1–3).** As announced. May include topics related to theory, history or performance. (May be repeated for credit).

Music Education (MUED)

- **MUED 223 High Brass Teaching Techniques (1).** Skills and related information for teaching trumpet and French horn. (Alt F)
- **MUED 300 Jazz Methods (1).** Jazz ensemble rehearsal techniques, and study of basic jazz arranging and improvisation. Study of basic jazz keyboard, bass and drums in jazz and commercial idioms. Primarily for future music educators. (Alt F)
- **MUED 310 Woodwind Teaching Techniques I (1).** Fundamental skills and related information for teaching woodwind instruments. Student must attain a basic proficiency on two instruments selected from: bassoon, clarinet, flute, oboe and saxophone. (Alt F)
- **MUED 311 Woodwind Teaching Techniques II (1).** Skills and related information for teaching woodwind instruments continued. Students must attain basic proficiency on three instruments other than those used for MUED 310 (Bassoon, clarinet, flute, oboe and saxophone). Prerequisite: MUED 310. (Alt S)
- **MUED 312 Low Brass Teaching Techniques (1).** Fundamental skills and related information for teaching trombone, euphonium and tuba. (Alt S)
- **MUED 313 String Teaching Techniques (1).** Fundamental skills for teaching string instruments. (S)
- **MUED 314 Percussion Teaching Techniques (2).** Skills and related information for teaching percussion instruments. Students will meet three times a week for 2 credits. (Alt F)
- **MUED 372 Techniques of Marching Band (2).** Charting, arranging, organization and rehearsal techniques of the marching band. (F)
- **MUED 377 Music for Elementary Teachers (3).** Methods, materials and procedures employed in teaching music; organized for the benefit of the classroom teacher.

- **MUED 378 Teaching Elementary School Music (3).** Methods, materials and procedures for teaching K-6 music with emphasis on areas covered by the music specialist, i.e., Orff, Kodaly, music reading, part singing. Includes ten hours of structured observation. Prerequisite: music major or minor or consent of instructor. (Alt S)
- **MUED 403 Wind Ensemble and Band Literature (2).** Survey of elementary through advanced literature. (S)
- **MUED 476 Teaching Secondary School Music (3).** Methods and materials for organizing and rehearsing secondary school vocal and instrumental music classes and ensembles. Includes 10 hours of structured observations of public school music classes. Prerequisites: MUS 253, 254, and 306. (Alt S)

Nursing (NURS)

Students must take Nursing 300-level courses prior to Nursing 400-level courses consistent with progressive development of core content.

- **NURS 305 BSN Basics (1).**Knowledge and competencies basic to the nursing curriculum: Critical thinking; computerized databases; APA style; sequencing courses; adult learning behaviors. Course must be taken the student's first semester.(F, S)
- **NURS 312 Global Health Care (3).** Examines a cross-section of national health care systems of various countries. Provide a foundation for understanding global health issues including ethics and economics in the contexts of their effects on different cultures. (F, S)
- **NURS 315 Foundations of Professional Nursing (4).** History of nursing. Major concepts and trends. Emphasis placed on healthcare delivery, teaching modalities. Includes nursing ethics, economics, cultural competencies and legal aspects of client care. (F, S)
- **NURS 316 Nursing Ethics (3).** Evolution of Nursing Ethics; theories of Rule Ethics, Virtue Ethics and Care Ethics; framework for ethical analysis and its application to nursing situations. (S)
- **NURS 317 Economics and Nursing (3).** Current knowledge about nursing economics focused on factors influencing nursing care services including ethical and cultural dimensions. (F, S)
- NURS 318 Women's Health Care (3). Issues affecting women's health and lives in today's society. Specific topics include historical influences, cultural and ethnic differences, ethical dilemmas, as well as physical and psychosocial issues. Course may be taken at any time during the student's matriculation. (Su)
- **NURS 319 Nursing Management of Pain (3).** Concepts and processes basic to effective management of patients' pain. Includes clinical, ethical, legal and cultural considerations with applications to clients. Coure may be taken at any time during the student's matriculation.(S)
- **NURS 320 Pathophysiology in Nursing (3).** Complex mechanisms of human disease processes, with application to nursing care of clients in various settings. (F)
- **NURS 360 Health Assessment (4).** Theory and skill development in physical and psychosocial assessment, history taking, data collection. Includes review of systems and physical examinations of clients in lab settings. (S)
- **NURS 412 Nursing Theories and Research (4).** Select nursing theories and fundamentals of quantitative and qualitative nursing research with application to clients. Includes scientific inquiry, informatics in clinical decision making, cultural competencies and nursing ethics. (F)

- NURS 415 Community Health Nursing (7). Integrated theory and practicum: Community-as-client; vulnerable aggregates; public health; epidemiology; community health assessment project; community service project. Prerequisite: NURS 412 (may be taken concurrently). (F)
- **NURS 425 Nursing Leadership (6).** Integrated theory and practicum. Ethical and effective nurse leadership and management including issues and functions of planning, organizing, staffing, and controlling; role of nurse in health policy. Prerequisite: NURS 415. (S)
- NURS 491 Directed Study (1–3). Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor. (F, S)
- **NURS 493 Topics in Nursing (1–3).** As announced. (May be repeated for credit if topics are different.)

Philosophy (PHIL)

- **PHIL 201 Introduction to Philosophy (3).** Elementary problems and history of philosophy and the major philosophical systems.
- **PHIL 202 Introduction to Logic (3).** Nature and structure of logical thinking with concrete applications.
- **PHIL 211 Ethics (3).** Morality and principles of individual and social behavior; contemporary ethical issues. (F)
- PHIL 268 Workshop in Philosophy (1–3). As announced. (May be repeated for credit.)
- PHIL 293 Topics in Philosophy (1–3). As announced. (May be repeated for credit.)

PHIL/REL 312 Philosophy of Religion (3).

- **PHIL 321 Greek Philosophy (3).** Concepts of Greek philosophers and selected readings from their works. (F)
- **PHIL 322 Medieval Philosophy (3).** European philosophers through the 13th century. (F)
- **PHIL 331 Modern Philosophy (3).** Western philosophical thinkers from the 14th century to the present. (S)
- **PHIL 332 American Philosophy (3).** American philosophical thinkers with selected readings from their works. (S)
- **PHIL 404 Contemporary Problems of Philosophy (3).** The areas of philosophy which relate to science, politics and religion. (S)
- **PHIL 468 Workshop in Philosophy (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **PHIL 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **PHIL 493 Topics in Philosophy (1–3).** As announced. (May be repeated for a maximum of 6 hours.)

Physical Science (PHSC)

- PHSC 293 Topics in Physical Science (1–3). As announced. (May be repeated with permission of advisor.)
- **PHSC 493 Topics in Physical Science (1–3).** As announced. (May be repeated with permission of advisor.)

Physics (PHYS)

- **PHYS 113 Survey of Physics (3).** Important concepts in physics and their application to the everyday world. A course designed for non-scientists with an emphasis on conceptual understanding. (F, S)
- **PHYS 113L Survey of Physics Laboratory (1).** A two-hour optional laboratory designed to give a hands-on exploration of the basic concepts of physics introduced in the accompanying class. Concurrent enrollment: PHYS 113. (F, S)

- PHYS 123 Physics of Music (3). Application of physical principles to understanding musical instruments as well as the human voice and auditory system. PHYS 123L optional. (Alt F)
- **PHYS 123L Physics of Music Laboratory (1).** Experiments and activities to accompany PHYS 123. Concurrent enrollment: PHYS 123. (Alt F)
- **PHYS 141 Astronomy (3).** An introduction to the sky and a survey of the objects in the violent universe from our own solar system to globular clusters, nebulae, galaxies and quasars. (S)
- **PHYS 141L Astronomy Laboratory (1).** An optional laboratory investigation of physical principles relevant to understanding astronomical objects and the techniques of observational astronomy. Some lab sessions will meet at night. Concurrent enrollment: PHYS 141or consent of instructor. (S)
- **PHYS 151 General Physics (3).** The first semester of a twosemester non-calculus treatment of principles of mechanics, thermodynamics, electricity and magnetism, and optics. Primarily for pre-medical and pre-dental students and others requiring basic knowledge of physics. Prerequisite: knowledge of algebra including familiarity with trigonometry. Concurrent enrollment: PHYS 151L. (F)
- **PHYS 151L General Physics Laboratory (1).** Laboratory investigations related to lecture material. Meets three hours per week. Concurrent enrollment: PHYS 151. (F)
- PHYS 152 General Physics (3). Continuation of PHYS 151. Prerequisites: PHYS 151/151L. Concurrent enrollment: PHYS 152L. (S)
- **PHYS 152L General Physics Laboratory (1).** Continuation of PHYS 151L. Meets three hours per week. Concurrent enrollment: PHYS 152. (S)
- PHYS 201 Physics I (4). Calculus-based principles and technical applications in mechanics and heat. For the science and preengineering major. Concurrent enrollment: MATH 124; PHYS 201L. (F)
- **PHYS 201L Physics I Laboratory (1).** Laboratory investigations related to lecture material. Meets three hours per week. Concurrent enrollment: PHYS 201. (F)
- **PHYS 202 Physics II (4).** Calculus-based principles and technical applications in fluid mechanics, electricity, magnetism, wave motion and light. Prerequisites: PHYS 201/201L. Concurrent enrollment: PHYS 202L; MATH 132. (S)
- **PHYS 202L Physics II Laboratory (1).** Continuation of PHYS 201L. Meets three hours per week. Concurrent enrollment: PHYS 202. (S)
- **PHYS 268 Workshop in Physics (1–3).** As announced. (May be repeated for a maximum of 4 hours.)
- **PHYS 293 Topics in Physics (1–3).** As announced. (May be repeated for credit.)
- PHYS 301 Modern Physics (3). Empirical foundations of quantum mechanics including photoelectric effect, black body radiation, Bohr atom, wave-particle duality, Schrodinger's equation for simple models. Prerequisites: 1 year of introductory physics; 1 year of calculus. (Alt S)
- **PHYS 303 Mechanics I (3).** Kinematics and dynamics of particles using Newtonian and Lagrangian methods. Driven harmonic motion, normal modes of vibration and wave motion, Keplerian orbits, Rutherford scattering and cross sections. Prerequisites: one year of college physics; at least two semesters of calculus. Recommended prerequisite: MATH 351. (Alt F)
- **PHYS 304 Mechanics II (3).** This continuation of PHYS 303 covers relativity, non-linear dynamics, non-inertial frames and introduction of the more powerful abstract methods of Lagrange, Hamilton and Hamilton-Jacobi theory. Prerequisite: PHYS 303. (Alt S)

- PHYS 305L Advanced Physics Laboratory (2). Practical experience in the design of experiments. Considerations of apparatus design and construction, error analysis and technical feasibility. Prerequisites: PHYS 151/151L and 152/ 152L or PHYS 201/201L and 202/202L. (Alt F)
- **PHYS 331 Optics (3).** Concentration on physical optics, including the wave equation, special relativity, dispersion, interference and polarization. Prerequisites: one year of college physics; one semester of calculus. (Alt S)
- **PHYS 331L Optics Laboratory (1).** Investigations employing lenses, mirrors, diffraction gratings, inerferometers and photodetectors. Concurrent enrollment: PHYS 331. (Alt S)
- **PHYS 401 Nuclear Physics (3).** Experimental evidence and theories of nuclear physics; radioactivity, natural and artificial; nuclear reactions. Prerequisites: one year of college physics; one semester of calculus. (Alt S)
- **PHYS/CHEM 406 Scientific Equipment Design (1).** (Alt F)
- PHYS/CHEM 406L Scientific Equipment Design Laboratory (1). Concurrent enrollment with PHYS 406. (Alt F)
- PHYS/CHEM 411 Physical Chemistry I/Thermodynamics (3).
- **PHYS 421 Electricity and Magnetism (3).** Vector calculus treatment of electrostatics, magnetostatics, properties of dielectrics and magnetic materials, Maxwell's equations, and electromagnetic radiation. Prerequisites: MATH 202; PHYS 152/152L or 202/202L. (Alt F)
- **PHYS 435 Quantum Physics (3).** Applications of quantum theory to atomic physics, spin and other topics. Prerequisite: PHYS 301. (Alt S)
- **PHYS 439 Teaching in Physics (1).** Methods, resources, safety and lesson plans in teaching physics lecture and laboratory. Prerequisites: PHYS 151/151L, 152/152L; senior standing with major or minor in science; consent of instructor. Open only to students working toward teaching licensure. Concurrent enrollment: CHEM 439 and GEOL 439. (F)

PHYS/GEOL 450 Principles of Geophysics (3).

PHYS/GEOL 450L Geophysics Laboratory (1).

- **PHYS 465 Senior Research Report (2).** Involves the writing and oral presentation of the results of designing, conducting and reporting an original experimental or theoretical project. (F, S)
- **PHYS 468 Workshop in Physics (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- PHYS/ANTH/BIOL/CHEM/GEOL 475 Scanning Electron Microscopy (2).
- PHYS 481 Reading in Current Literature of Physics and Associated Fields (1). Methods for locating library materials; reading and reporting on topics selected by the student in current literature. Prerequisite: senior standing or consent of instructor.
- **PHYS 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **PHYS 493 Topics in Physics (1–3).** As announced. (May be repeated for credit.)

Political Science (PSCI)

- **PSCI 101 Introduction to Political Science (3).** A comparative introduction to the fundamental concepts of political science including ideologies, political culture, parties, institutions and case studies of various political systems in regions of the world. (F, S)
- **PSCI 102 American National Government (3).** American national government; formation and principles of the constitution; relation of state to the national government; political parties; structure of legislative, executive and judicial branches; civil rights; current trends and issues. (F, S)

- **PSCI 200 Political Science Research Methods (3).** Political science research techniques. Emphasis will be on critical thinking and empirical methodology. (F)
- **PSCI 207 Introduction to Comparative Politics (3).** The comparative study of contemporary political systems from all regions of the world. Comparative case study approaches are introduced. Various political systems are examined. (S)
- **PSCI 210 Legal Reasoning and Judicial Process (3).** Introduction to legal reasoning, legal writing and judicial process. Prerequisite: PSCI 102.
- **PSCI 268 Workshop in Political Science (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- PSCI 293 Topics in Political Science (1–3). As announced. (May be repeated for credit.)
- **PSCI 302 Constitutional Law (3).** A study of American constitutional law dealing with presidential and congressional powers, individual rights and civil liberties. Prerequisites: PSCI 101, 102, 211; PSCI 200 is recommended. (S)
- **PSCI 303 Comparative Foreign Policy (3).** An examination of foreign policy analysis and theories. The foreign policies of several states are studied. Prerequisites: PSCI 101, 102, 207. (Alt S)
- **PSCI 304 International Relations (3).** An examination of the field of international relations including, but not limited to, theories of state and non-state relations, conflict and cooperation, conflict resolution, international organizations and international crises. Prerequisites: PSCI 101, 102, 207. (Alt F)
- **PSCI 306 Contemporary Political Ideologies (3).** The study of both Western and non-Western modern political ideologies as expressed by primary source authors. Communism, socialism, fascism, pan-Arabism, pan-Africanism, and liberal democracy are examined. Particular ideologically based regimes are studied. Prerequisites: PSCI 101, 102. (S)
- **PSCI 311 Democracy: Theory and Practice (3).** Development of democracy as a theory and its application into United States representative democracy with comparisons to other democratic government systems. Prerequisite: PSCI 102. (Su)
- **PSCI 314 Legislative Behavior (3).** A comparative study of the development of legislatures and legislative behavior in the United States and other countries. Prerequisites: PSCI 101, 102; PSCI 200 is recommended. (Alt F)
- **PSCI 315 The Presidency (3).** Development of the power of the United States presidency and its place in the national government. Prerequisites: PSCI 101, 102; PSCI 200 is recommended. (Alt S)
- **PSCI 321 Public Policy Process (3).** A study of the process in which public needs are converted into actual programs, and the principles that govern this process. Prerequisites: PSCI 101, 102; PSCI 200 is recommended. (Alt F)
- **PSCI/COMM 330 Power Games: Politics and Media (3).** Focus on political uses of the mass media to shape social values. Case studies and discussions of contemporary global issues will investigate the interplay of influence among politics/ media/government. (Su)
- **PSCI 332 Public Administration (3).** Public sector administration and management; topics include budgeting, program planning, personnel relations, program evaluation, inter-governmental relations and ethics. Prerequisites: PSCI 101, 102; PSCI 200 is recommended. (Alt F)
- **PSCI 401 Classical Political Thought (3).** Ancient political thought of both the non-Western and Western worlds. Political thought from early civilizations and the Classical Age is covered. Prerequisites: PSCI 101, 102. (TBA once every four semesters)

- **PSCI 410 Public Policy Issues (3).** Philosophical and political justifications for current national policies, and whether or not these policies are accomplishing their stated goals. Prerequisites: PSCI 101, 102, 200, 321. (TBA once every four semesters)
- **PSCI 411 Modern Political Thought (3).** A study of the major political ideas and schools of thought that have inspired political movements and systems of government: liberal democracy, Marxism, Leninism, Feminism, Anarchism and Fascism. Prerequisites: PSCI 101, 102. (Alt F)
- **PSCI 422 Political Parties and Elections (3).** Origin, nature, principles and policies of major parties; party procedures in the United States. Prerequisites: PSCI 101, 102; PSCI 200 is recommended. (Alt F)
- **PSCI 443 Comparative Governments (3).** The theory of comparative analysis. A study of both democratic and authoritarian states and regimes. Prerequisites: PSCI 101, 102, 207. (Alt F)
- **PSCI 464 Contemporary Problems (3).** Current critical problems and issues in domestic and/or international relations. Prerequisites: PSCI 101, 102, 207. (TBA)
- **PSCI 468 Workshop in Political Science (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **PSCI 473 Development Politics (3).** The political economy of development in lower and middle income countries. Theories of political economy are studied. Prerequisites: PSCI 101, 102, 207. (Alt S)
- **PSCI 479 Senior Thesis (3).** An independent, in-depth study of some political science issue/problem; involves the writing and oral presentation of original empirical or theoretical research. (F, S, Su)
- **PSCI 480 Political Science Senior Seminar (3).** A senior level seminar designed to prepare students for advanced study in political science. Prerequisites: PSCI 101, 102, 200; senior standing. (S)
- **PSCI 487 Internship (3).** The applied study of the political environment of public sector with work experience. Credit varies. Department approval necessary and only 3 hours can be used toward the PSCI major. Prerequisites: PSCI 102, 200; political science major; GPA 3.00; department approval of assignment and credit hours. (May be repeated for a maximum of 6 hours with consent of instructor.) (F, S, Su)
- **PSCI 491 Directed Study (1–3).** As announced. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **PSCI 493 Topics in Political Science (1–3).** As announced. (May be repeated for credit.)

Professional Technical Education (PTE)

- **PTE/FCS/AG 254 Information Technology in Applied Sciences** (3). Application of information technology to applied sciences management and decision-making; microcomputer operations, including word processing, spreadsheet and presentation software specific to the discipline and expectations of the profession. (F, S)
- **PTE 301 PTE Foundations (3).** Introduces students to professional technical education history, philosophy, policies, goals and objectives, and student organizations. (F, S, Su)
- **PTE 302 Instructional Facility Design (3).** Organization, safety and management of professional-technical education training facilities. (F, S, Su)
- **PTE 303 PTE Curriculum Development (3).** Foundations and principles of curriculum planning, development, implementation and evaluation in secondary career and technical education programs; standards and benchmarks, issues in curriculum development, funding, technology use, assessment. Prerequisites: PTE 301, 302. (F, S, Su)

- **PTE 401 PTE Leadership Organization (3).** The process of PTE program supervision. Project management. Study of human relations factors: planning, organizing, evaluating, staff development, labor relations, policy practices, public relations. (F, S, Su)
- **PTE 424 Field Evaluation (3).** Individual works under staff guidance. Student will provide technical/vocational expertise to proprietary or conduct field research in specific technical field. Student must have PTE program approval the semester prior to registration. Special request form required. This course is graded pass/fail. (May be repeated for a maximum of 6 hours with approval.) (F, S, Su)
- **PTE 468 Workshop in PTE (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **PTE/AG/FCS 479 Teaching Vocational Disciplines (2).** Teaching career and technical/vocational principles. Strategies, critical thinking, course development/organization, technology use. Prerequisites: 6 hours completed in a teacher education program; PTE 303. Should be taken the semester prior to Supervised Classroom Internship. (F, S, Su)
- **PTE 480 Methods of Teaching PTE (1).** Culminating department course in preparation for the teaching experience. Curriculum choice and development, lesson plans, individualization, teaching methods and techniques unique to PTE, assessment. Prerequisite: PTE 479. (S)
- **PTE 481 Supervised Classroom Internship (6).** On-site visits and participation in vocational instruction. Involvement in daily and on-going instructional processes of the vocational classroom or facility. Prerequisite: PTE 479. (F, S, Su)
- **PTE 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **PTE 493 Topic in PTE (1–3).** As announced. (May be repeated for a maximum of 6 hours.)

Psychology (PSY)

- **PSY 101 Introductory Psychology (3).** Psychology as the science of behavior. Physiological bases of behavior, sensation, perception, learning, emotion and motivation.
- **PSY 134 Psychology of Adjustment (3).** A study of the dynamics of human behavior from a life adjustment approach. Representative topics will include stress management, understanding personality, love, marriage, human sexuality and death and bereavement. (F, S)
- **PSY 201 Child Psychology (3).** Psychological, physiological and social development of childhood. (S)
- **PSY 202 Adolescent Psychology (3).** Psychological, physiological and social development of adolescence.
- **PSY 300 Psychology of Adult Development (3).** Psychological, physiological and social development of adulthood. Prerequisite: PSY 101. (S)
- **PSY 301 Paraprofessional Helping Skills (3).** An action-oriented approach to the development of practical skills needed in a paraprofessional setting. Prerequisite: PSY 101. (F, S)
- **PSY/SOC 324 Social Psychology (3).**
- **PSY 335 Introduction to Psychological Statistics (3).** Descriptive and inferential statistics used with psychological/ behavioral data in behavioral science research, emphasizing appropriate use and interpretation. Prerequisites: PSY 101; STAT 213. (F)
- **PSY 336 Experimental Psychology (3).** Survey of research methods and design. Techniques in behavioral science, including reviewing techniques in the scientific research process, experimental design and application of experimental design techniques to behavioral research. Prerequisite: PSY 335. (S)
PSY 402 Abnormal Psychology (3). Normal and abnormal behavior, etiology, psychodynamics, transient stress reactions, psychophysiological reactions, psychoneurotic reactions and the functional psychoses. Prerequisites: PSY 101; 6 additional credits in psychology or consent of instructor.

PSY/HIST 409 Teaching Social Studies (3).

- **PSY 411 Theories of Personality (3).** Personality theories with emphasis on description, dynamics and determinants of personality. Prerequisites: PSY 101; 201 or 202 or 300. (S)
- **PSY 421 Multicultural Psychology (3).** Varieties and causes of individual, group and multicultural differences. Prerequisites: PSY 336. (Alt F)
- **PSY 430 Seminar in Behavior Analysis (3).** Discovering and generating differential diagnosis and/or treatment by focusing on the behavior of the individual; includes an analysis of the patterns of management, training and therapy derived from contemporary learning theory. Prerequisites: PSY 402. (F)
- **PSY 435 Cognition (3).** Survey of Cognitive Psychology emphasizing the information processing approach to the study of mental behavior including attention, memory, langauge, and problem solving. Prerequisites: PSY 101 and 6 additional credits in psychology.
- **PSY 443 Theories of Psychological Counseling (3).** Current theories of counseling and application. Prerequisites: PSY 101, 201 or 202 or 300. (F, S)
- **PSY 445 Introduction to Multicultural Counseling (3).** Theories and research on counseling in a multicultural setting; current issues/concerns and counseling protices within the multicultural context. Prerequisites: PSY 101 and 6 additional credits in psychology.
- **PSY 467 Physiological Psychology (3).** The relationship between psychological process and physiological activity; neurophysiological mechanisms present in behavior. Prerequisites: PSY 101; BIOL 207/L. (F, S)
- PSY 468 Workshop in Psychology (1-3). As announced.
- **PSY 481 Advanced Social Psychology (3).** Advanced study of topics within social psychology; interpretation of published theoretical and empirical work. Prerequisite: PSY 324. (Alt F)
- **PSY 483 Field Placement (3–10).** Field placement in an appropriate agency. Supervision by professional staff from a cooperating agency and the department of psychology faculty. Prerequisites: PSY 301; consent of instructor. (F)
- **PSY 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 6 hours.) Prerequisite: consent of instructor.
- **PSY 493 Topics in Psychology (1–3).** As announced. (May be repeated for credit with consent of advisor.)

Religion (REL)

- **REL 101 Old Testament Survey (3).** Survey of the history and religious traditions of ancient Israel; emphasis on the types of literature, cultural setting and political and religious developments of the ancient world. (F, S)
- **REL 103 New Testament Survey (3).** Survey of the history, literature and content of the New Testament; emphasis on the historical background of the New Testament period and the influence of the literature of Western Culture. (F, S)
- **REL 105 Life of Christ (3).** The life, teachings and work of Christ as set forth in the Synoptic Gospels. (S)
- **REL 107 Introduction to Religion (3).** A study of religion to include the universal forms of religious experience and expression and the classical forms of religious belief and practice. (F)

- **REL 211 The Book of Acts (3).** The work of Peter and other early Christian leaders in Palestine; missionary journeys of Paul; spread of early Christianity beyond Palestine. (Alt F)
- **REL 220 Biblical Perspectives on Relationships (3).** Application of Biblical ethics and values to contemporary relationships including singleness, marriage and family life. (Alt F)
- **REL 231 History of the Christian Church (3).** The history of Christianity from its inception to the present; influences which have resulted in the present situation; tendencies in the life of the church. Required for a major in religion. (F)
- **REL 268 Workshop in Religion (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **REL 293 Topics in Religion (1–3).** As announced. (May be repeated for credit.)
- **REL 302 John: Gospel and Epistles (3).** The writings attributed to the Apostle John; his understanding of Christ and his contributions to the Christian message. (S)
- **REL 303 The Pentateuch (3).** A study of the history, literature and teachings of the first five books of the Hebrew Scriptures, known as the Pentateuch. (Alt F)
- **REL 305 Historical Literature of the Old Testament (3).** A study of the historical books of the Hebrew Scriptures, from Joshua through Esther.
- **REL 310 The Poetical Literature of the Old Testament (3).** Hebrew poetry with emphasis on the Book of Psalms. (Alt S)
- **REL/PHIL 312 Philosophy of Religion (3).** Issues of religious thought, belief and practice, approached from a philosophical and historical perspective.
- **REL 315 Prophetic Literature of the Old Testament (3).** History, character, function and message of the Hebrew prophets.
- **REL 320 Christian Ethics (3).** A study of Christian ethics in both its historical and Biblical context. (Alt S)
- **REL/HIST 324 The Renaissance and Reformation (3).**
- **REL 331 History of Religion in America (3).** Religion in North America, especially the United States. Growth of various traditions; leaders in religious life and thought. (Alt S)
- **REL 332 Preparation and Delivery of Sermons (3).** Techniques for preparing sermons and different methods of preaching; practical experience in preparation and delivery of brief original sermons before class members. (Alt S)
- **REL 333 Psychology of Religion (3).** Issues of religious belief and practice in terms of understanding human development and behavior. (Alt F)
- **REL 334 Revelation and Apocalyptic Literature (3).** Interpretation of the Book of Revelation and other apocalyptic literature, including the books of Daniel, Ezekiel, Zechariah and Isaiah; comparison of Christian, Jewish and Islamic themes in apocalyptic literature. (Alt F)
- **REL 340 Religion and Science (3).** A course focusing on both the historic and contemporary dialog between religion and science; topics include evolution and creation, quantum theory, cosmology, epistemology, the nature of reality and scientific ethics.
- **REL 382 Counseling in Religion (3).** Needs and techniques of personal counseling with reference to religious values. (Alt S)
- **REL 402 World's Living Religions (3).** Comparative study of the great religions functioning in the world today. (Alt F)
- **REL 406 Pauline Writings I (3).** A study of First and Second Thessalonians and First and Second Corinthians. (Alt F)
- **REL 410 Pauline Writings II (3).** A study of Galatians and Romans. (Alt S)
- **REL/SOC 414** The Sociology of Religion (3).
- **REL 415 Pauline Writings III (3).** A study of the Prison Epistles and the Pastoral Epistles. (Alt F)

- **REL 420 The General Epistles (3).** A study of Hebrews, James, I and II Peter and Jude. (Alt S)
- REL/GR 423 Advanced Greek Translation and Exegesis (2).

REL/GR 424 Advanced Greek Translation and Exegesis (2).

- **REL 433 Biblical Archaeology (3).** Archaeology of the Near East, especially ancient Mesopotamia, Syria-Palestine and Egypt, with reference to Old Testament history. (Alt S)
- **REL 441 Youth Ministry (3).** A practical ministry course focusing on programmatic ideas, theological rationale, biblical teaching, cultural concerns, the developmental tasks of adolescents and the goals behind a youth and family program. (Alt S)
- **REL 450 Critical Introduction to the Old Testament (3).** The books of the Old Testament including authorship, date, historical background, purpose, canon and text. (Alt F)
- **REL 451 Critical Introduction to the New Testament (3).** The books of the New Testament; their probable chronological order including authorship, date, historical background, purpose, canon and text. (Alt S)
- **REL 464 The Inter-Testamental Era (3).** A study of Jewish and Mediterranean religions, history and literature during the period 500 BCE to 200 CE; emphasis on apocryphal and psuedepigraphal writings in English. (Alt S)
- **REL 468 Workshop in Religion (1–3).** As announced. (May be taken for a maximum of 6 hours.)
- **REL 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.)
- **REL 493 Topics in Religion (1–3).** As announced. (May be repeated for credit.)
- **REL 495 Senior Seminar (1).** Capstone course focusing on thematic or formal issues; emphasis on research, writing and presentation of papers. Required of all religion majors. Prerequisite: junior or senior standing. (F)

Social Work (SWK)

- **SWK 201 Introduction to Social Work (3).** Overview of the social work profession for those with an interest in the profession or considering a social work major. Provides general knowledge of current social work standards, practices and values. Does not count toward courses required for B.S.W. major. (F)
- **SWK 202 History of Social Welfare (3).** For non-B.S.W. majors. The history of social problems, such as poverty, industrialization and migration, and the development of programs as responses to changing human needs. Historic development of social work as a helping profession. (S)
- **SWK 301 Social Work in Rural Settings (3).** Class study of a rural community, including human needs and services for Southwestern populations, issues of distance and scarcity, relationship to international and borderlands communities, and availability of technology to communities. Diverse guest lecturers. (S)
- **SWK 311 Social Work Practice 1 (3).** Introduction to generalist social work practice. Overview of client systems and integrating research and theory with practice. Development of skills and techniques (interviewing, assessment, diagnosis) in working with clients, especially diverse populations of Southwest, individuals, families. (F)
- **SWK 312 Social Work Practice II (3).** Theory, skills and values of generalist social work practice in small group settings both natural and created. Group theory, leadership, diversity, values, oppression, empowerment and justice covered. Prerequisite: SWK 311. (S)

- SWK 321 Human Behavior in the Social Environment (HBSE) I (3). Course explores the development and determinants of human behavior in settings of bio-psycho-social, cultural and political influence. Study of individual and family development. Role of oppression, gender, social and economic justice in society. (F)
- SWK 322 Human Behavior in the Social Environment (HBSE)
 II (3). Theory of the development and direction of human behavior in small groups. Focus on small group process development, values, oppression and empowerment in groups. Prerequisite: SWK 321. (S)
- **SWK 334/CJ/SOC 434 Introduction to Social Research (3).** Basic research theory, methods and design. Course includes values and ethics in research; research design and field techniques; naturalistic observation; experiments; surveys; single subject; qualitative research, computer/statistical analysis. Prerequisite: STAT 213 or equivalent. (F)
- **SWK 341 Social Welfare Policy I (3).** Cultural, economic, political and policy processes and their influences on development of U.S. social welfare policies. Reviews historical policies/ programs as background for current policy issues. Addresses social work values on social justice and oppression. (F)
- **SWK 342 Social Welfare Policy II (3).** Study of social welfare issues, policy and programs development, and implementation from WWII to present. Includes programs such as health care, food subsidies, cash assistance. Analyzes impact on populations at risk. Prerequisite: SWK 341 (S)
- **SWK 361 Preparation for Field Placement (1).** Monthly seminar preparing students for social work field placement. Reviews career development, self knowledge, professional ethics and behavior, supervision skills, confidentiality, insurance/ liability, agency policies, licensure and related internship concerns. (F)
- **SWK 362 Field Experience I (3).** Supervised field experience in generalist social work practice in approved agency setting. Students attend one-hour weekly seminars as part of this three credit course. Ten hours per week of agency field experience required, including supervision with a field instructor. Prerequisites: social work major; SWK 361. (S)
- **SWK 414 Social Work Practice III (3).** Theory and skills development for generalist social work practice. Focus upon social work practice with larger social environment systems, including communities, organizations, social work management and administration, and political structures. Particular attention will be paid to the impacts of larger social systems upon minorities, women, Southwest and at-risk populations and roles of these systems in conveying institutional racism. Prerequisite: SWK 312. (F)
- **SWK 415 Selected Fields of Social Work Practice (3).** As announced. Field of practice content will vary depending on student interests expressed in a social work major student survey given in January of the junior year. Up to three sections may be offered in following areas: clinical and mental health practice, child welfare/child protective practice, community and political practice, social work in human services agency management. Prerequisites: social work major; SWK 414. (S)
- SWK 424 Human Behavior in the Social Environment (HBSE) III (3). The last of a three-course HBSE sequence. Continuation of human development in the social environment studies with a focus on generalist social work practice, values and ethics, racism and oppression as they are applied to the formation and interaction of neighborhoods, polities, organizational and social managerial behavior. Addresses cultural, racial, ethnic and gender dimensions and issues of individual and institutional racism. Prerequisite: SWK 322. (F)

- **SWK 425 Southwest Peoples and Cultures (3).** Depending on student interest, may include a focus on social welfare issues, policies and programs for Hispanics/Latino(a)s, Native Americans or rural Southwestern populations. Prerequisites: SWK 414, 424, 444. (S)
- **SWK 444 Social Welfare Policy III (3).** Research and analysis of recent, current and pending legislation and policies on social welfare issues, budgets, programs and services. Covers Federal and New Mexico policy development processes and implementation with an emphasis on current issues, especially possible impact of policy initiatives on women, minorities and at-risk populations. Prerequisite: SWK 342. (F)
- **SWK 463 Field Experience II (3).** Supervised field experience in generalist social work practice in approved agency setting. Twenty-five hours/week of field work required. Students attend one-hour/week supervision with field instructor and one/hour week of field seminar. Restricted to social work majors. Prerequisite: SWK 362. (F)
- **SWK 464 Field Experience III (3).** Supervised field experience in generalist social work practice in approved agency setting. Students attend weekly seminars as part of this three credit course. Ten hours/week of field work required. One hour/ week with field instructor and 1 hour per week field seminar. Prerequisites: social work major; SWK 463. (S)
- **SWK 468 Workshop in Social Work (1–3).** As announced. (May be repeated for a maximum of six credit hours.)
- **SWK 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of four credit hours.)
- **SWK 493 Topics in Social Work (1–3).** As announced. (May be repeated for credit.)
- **SWK 498 Senior Seminar (3).** Integrative capstone course on the professional foundations of social work focusing on future trends, challenges, and international social work issues. This seminar will focus on integrating social work knowledge, skills and values into competent generalist practice, along with findings from related social sciences. Prerequisite: senior social work major in good standing with the social work program. (S)

Sociology (SOC)

- **SOC 101 Introductory Sociology (3).** General overview of the field, including basic concepts, perspectives and approaches.
- **SOC 212 Contemporary Social Issues (3).** Assessment of current social problems in USA.
- **SOC 215 Marriage and the Family (3).** Social aspects of family living with emphasis on mate selection, courtship, engagement, marriage and parenting in a changing society.
- SOC/CJ 240 Juvenile Delinquency (3).
- **SOC 268 Workshop in Sociology (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **SOC 293 Topics in Sociology (1–3).** As announced. (May be repeated for credit.)
- **SOC 302 Racial and Ethnic Relations (3).** Causes, patterns and effects of antagonistic and unequal inter-racial, ethnic relations in society; prejudice, discrimination, racism racial and ethnic minorities. (F)
- **SOC 305 Sex Roles in Society (3).** Concepts of masculinity and femininity, the socialization of sex roles and the future of sex roles in America. Prerequisite: SOC 101 or PSY 101.
- **SOC 311 Collective Behavior (3).** Behavioral patterns associated with social change and disorganization including crowds, masses and public and social movements. Prerequisite: SOC 101.

SOC/CJ 312 Criminology (3).

SOC 315 Social Inequality (3). Analysis of divisions of society into hierarchically distinct class, status and power groupings.

- **SOC 320 Social and Cultural Change (3).** Nature, causes, processes and consequences of societal and global change, including changes in technology, social relations, institutions, norms and values; considers past patterns, contemporary trends, future possibilities. Prerequisite: 3 hours of sociology or related course. (S)
- **SOC/PSY 324 Social Psychology (3).** Human interaction in social groups; the social aspects of human behavior. Prerequisite: SOC 101 or PSY 101.
- SOC/ANTH 350 Medical Anthropology (3).
- **SOC 402 Development of Social Thought (3).** Conceptions and images of society, community and social relations in the past and in cross-cultural perspectives. Prerequisite: SOC 101.
- **SOC 411 Contemporary Sociological Theory (3).** Major contributions to sociological theory during the twentieth century. Prerequisite: SOC 101.
- **SOC 413 Urban Sociology (3).** Analysis of the city, its development, change and impact on societies. Prerequisite: SOC 101.
- **SOC/REL 414 Sociology of Religion (3).** The social, cultural and institutional expression of religious phenomena. Prerequisite: three hours in SOC or REL.
- **SOC/FCS 415 Sociology of the Family (3).** Family in social, cross-cultural and historical context; family forms, functions, variations, contemporary trends and issues. Prerequisite: SOC 101. (S)
- **SOC 431 Deviant Behavior (3).** The nature, types and societal reactions to deviant behavior; includes deviant subcultures. Prerequisite: SOC 101. (F)

SOC/CJ 432 Police and Society (3).

- **SOC/CJ 434 Introduction to Social Research (3).** Basic methods of research in the social and behavioral sciences, including field observations, experiments and the ethics of social research. Prerequisites: SOC 101 or CJ 102: STAT 213. (F. S)
- **SOC/EDF 435 Sociology of Education (3).** Educational institution and problems in teaching practices in schools. Prerequisite: SOC 101.
- **SOC 468 Workshop in Sociology (1–3).** As announced. (May be repeated for a maximum of 6 hours.) Prerequisite: SOC 101.
- **SOC 489 Internship (4).** Work in a specific organization under the supervision of a qualified person; usually will not involve remuneration—cannot be part of the student's regular occupation. Credit hours earned cannot be used to satisfy major or minor elective requirements in sociology. Prerequisites: SOC 402 or 411, 434; approval of agency; consent of instructor.
- **SOC 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: SOC 101.
- **SOC 493 Topics in Sociology (1–3).** As announced. (May be repeated for a maximum of 6 hours.) Prerequisite: SOC 101.

Spanish (SPAN)

- **SPAN 101 Beginning Spanish (4).** Development of speaking, reading and writing skills and introduction to linguistic structures, in a cultural context. (F, Su)
- SPAN 102 Continuation of Beginning Spanish (4). Continuation of SPAN 101. Prerequisite: SPAN 101. (S)
- **SPAN 105 Beginning Spanish: Native Speaker (3).** The first in a sequence of two semesters designed for Spanish speakers of the Southwest. Intensive work to develop the skills of conversation, reading and writing, concentrating on local dialects. (F)
- **SPAN 201 Intermediate Spanish (3).** Grammar review, conversation and reading at the intermediate level. Prerequisites: SPAN 102, 105, or Placement Test. (F)

- **SPAN 202 Continuation of Intermediate Spanish (3).** Continuation of SPAN 201. Prerequisite: SPAN 201. (S)
- **SPAN 205 Intermediate Spanish: Native Speaker (3).** Continuation of SPAN 105, for Spanish speakers of the Southwest. Intensive work to develop the skills of conversation, composition and reading, concentrating on the relationship between local dialects and world Spanish. Prerequisite: SPAN 105. (S)
- SPAN 268 Workshop in Spanish (1–3). As announced. (May be repeated for credit.)
- **SPAN 293 Topics in Spanish (1–3).** As announced. (May be repeated for credit.)
- **SPAN 301 Translation and Interpretation (3).** Practice in translating various prose styles, including journalistic and literary, from Spanish to English and vice versa. Oral interpretation techniques. Prerequisite: SPAN 311. (TBA)
- **SPAN 310 Spanish for Professional Personnel (3).** Develop the Spanish vocabulary necessary for work in a specific field. Professional areas change as announced: A. The Medical Professions, B. Educators, C. Business, D. Social Work, E. Criminal Justice, F. Law and the Courtroom. Prerequisites: SPAN 201/202, 205. (TBA)
- **SPAN 311 Advanced Conversation and Composition (3).** Intensive conversation. Composition and grammar review. Concurrent enrollment: SPAN 202 or 205. (S)
- **SPAN 325 Peninsular Culture and Civilization (3).** Intellectual, cultural and historical background of the Spanish people. Prerequisite: SPAN 311. (Alt F)
- **SPAN 326 Latin American Culture and Civilization (3).** Cultural and historical background of the Latin American peoples from the fifteenth to the twentieth centuries. Prerequisite: SPAN 311. (Alt F)
- **SPAN 331 Survey of Latin American Literature (3).** Latin American literature, its history and major works. Prerequisite: SPAN 311. (Alt F)
- **SPAN 332 Survey of Latin American Literature (3).** Later Latin American literature, its history and major works. Prerequisite: SPAN 311. (Alt S)
- SPAN 351 Survey of Peninsular Literature (3). Peninsular literature, its history and major works. Prerequisite: SPAN 311. (Alt F)
- **SPAN 352 Survey of Peninsular Literature (3).** Contemporary Peninsular literature, its history and major works. Prerequisite: SPAN 311. (Alt S)
- **SPAN 405 Intensive Grammar Review (3).** Review of Spanish grammar; review of modern approaches to teaching grammar with emphasis on stylistics and composition. Prerequisite: consent of instructor. (Alt Su)
- **SPAN 410 Mexican Culture and Civilization: Immersion (3).** Study of Mexican culture and civilization in an immersion setting. (Su)
- **SPAN 411 Mexican Literature: Immersion (3).** Study of Mexican literature in an immersion setting. Course content will vary each year. (May be repeated for credit.) (Su)
- **SPAN/FR 436 Teaching of Modern Languages (3).** For students certifying in elementary and/or secondary education as language teachers. (Alt S)
- SPAN 468 Workshop in Spanish (1–3). As announced. (May be repeated for credit.)
- **SPAN 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.

- SPAN 492 Seminar in Spanish Studies (3). Intensive study of a designated topic in Spanish-language literature or linguistics. Course content will vary. A. Latin American Literature; B. Peninsular Literature; C. Spanish Language Studies; D. Literature and Culture. (May be repeated for credit.) (F, S)
- **SPAN 493 Topics in Spanish (1–3).** As announced. (May be repeated for credit.)

Statistics (STAT)

Note: Some math courses require prerequisites that can be fulfilled with satisfactory ACT/SAT scores. These minimum scores may be satisfied in the following ways:

For courses with MATH 107 as prerequisite, satisfactory scores are defined as

- 1. ACT math of 24 or higher **OR**
- 2. ACT math of 22 or 23 **AND** an algebra/geometry subscore of 9 **OR**
- 3. SAT math of 530 or higher
- **STAT 115 Introduction to Statistics and Computer Programming (3).** Statistics and the application of elementary computer programming to statistical problems.
- **STAT 213 Statistical Methods I (4).** Beginning course in basic statistical methodology: measures of central tendency, variability, and association; probability and sampling distributions; estimation of parameters and testing hypotheses. Prerequisite: Satisfactory ACT/SAT score or MATH 107 with a grade of "C" or better. (F, S)
- **STAT 268 Workshop in Statistics (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- **STAT 293 Topics in Statistics (1–3).** As announced. (May be repeated for credit.)
- **STAT 313 Statistical Methods II (3).** One and two sample tests and confidence intervals for proportions; correlation and regression methods; analysis of variance. Prerequisite: STAT 213. (F)
- **STAT 403 Probability and Mathematical Statistics I (3).** Probability theory, discrete and continuous probability distributions, mathematical expectation and moment generating functions. Prerequisite: MATH 132 with a grade of "C" or better. (Alt F)
- **STAT 404 Probability and Mathematical Statistics II (3).** The theory of estimation, prediction and hypothesis testing. Prerequisite: STAT 403.
- **STAT 414 Nonparametric Methods (3).** Distribution-free techniques, based on order statistics and ranks; nonparametric tests of statistical hypotheses. Prerequisite: STAT 313. (Alt S)
- **STAT 415 Survey Sampling Methods (3).** Basic sampling designs (random, cluster, stratified, multi-stage); selection of the appropriate design and sample size. A survey will be undertaken by the class. Prerequisite: STAT 313. (Alt F)
- **STAT 417 Introduction to Operations Research (3).** Philosophy and techniques of operations research. Linear programming, simplex method and duality; transportation and assignment problems; game theory; introduction to dynamic programming; PERT and CPM. Applications to business and industrial problems. Prerequisites: STAT 213 and MATH 119 or consent of instructor.
- **STAT 431 Design of Experiments (3).** The design and analysis of statistical experiments and the theory of linear models; analysis of variance techniques. Prerequisite: STAT 313.
- **STAT 432 Statistical Packages (3).** Large data set analyses with the aid of the programmed statistical package SAS (Statistical Analysis System). Prerequisite: STAT 431.

- **STAT 468 Workshop in Statistics (1–3).** As announced. (May be repeated for a maximum of 3 hours.)
- **STAT 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.
- **STAT 493 Topics in Statistics (1–3).** As announced. (May be repeated for credit.)

Theatre (THTR)

- **THTR 111 Theatre Appreciation (3).** For non-majors. Basic theories of performance arts as applied to theatre and film. Includes application through discussion of acting, audiences, stage craft, scenic and costume design and dramatic criticism. (F, S)
- **THTR II5 Dramatic Analysis (3).** Dramatic literature as a vehicle for production, includes analysis of dramatic form and structure, generic styles, and dramatic beats, rhythms and tempos as related to the art of dramaturgy. (S)
- **THTR I17 Freshman Theatre Performance (6).** Fundamentals of theatre arts that incorporate dance and movement for the beginning performer. (F)
- **THTR 121 Beginning Acting (3).** Techniques, principles of stage movement and basic problems common to all actors. (F, S)
- **THTR 122 Voice for the Performer (3).** Fundamentals of voice production for the stage. Includes emphasis in vocal placement, breath control, articulation, posture and energy extension. (F)
- **THTR 140 Freshman Technical Seminar (6).** Theory and practice of scenic, lighting and costume design via unified conceptual and analytical approach. Drafting and art supplies required. (S)
- **THTR 205 Technical Production (2).** Practical experience and training in activities involved with the technical production of theatre. (May be repeated for credit.) (F, S)
- **THTR 206 Rehearsal and Performance (1).** Substantial participation in theatre productions through practical experience in performance assignments. (May be repeated for credit.) (F, S)
- **THTR 212 Theatrical Makeup (2).** Theory and practice of makeup design and application for the stage, motion picture and television. Make-up supplies required. (Alt S)
- **THTR 221 Intermediate Acting (3).** Development of voice, body, mind and emotions. Practice in dramatic situations stressed. Prerequisite: THTR 117 or THTR 121. (S)
- **THTR 268 Workshop in Theatre (1–3).** As announced. (May be repeated for credit.)
- **THTR 293 Topics in Theatre (1–3).** As announced. (May be repeated for credit.)
- **THTR 296 Theatre Internship (2–6).** Supervised practical internship in departmentally approved stock and/or repertory theatre experiences. As announced. (May be repeated for credit.) Prerequisites: application to departmental internship; consent of department. (F, S, Su)
- **THTR 312 Basic Stage Directing (3).** Fundamental elements of directing the movements, business and emotions of the actor in the play. (S)
- **THTR 321 Advanced Acting (3).** Advanced problems in acting; continued coordination of mind, body and voice; includes movement for the actor, period style and advanced techniques in scene study. Prerequisite: THTR 221. (F)
- **THTR 324 Workshop in Playwriting (3).** Fundamental techniques of playwriting through theoretical studies and practical exercises. Special emphasis on the evolution of the playscript from first draft to finished performance. (S)

- **THTR 340 Design Seminar (6).** Theory and practice of scenic, lighting and costume design via a unified and analytical approach. Drafting and art supplies required. Prerequisite: THTR 140. (F)
- **THTR 345 Period Style for the Theatre (3).** Overview of major historical fashion and architectural movements with special emphasis on their application to theatrical productions. (Alt F)
- **THTR 405 Technical Production (2).** Practical experience and training in activities involved with the technical production of theatre. (May be repeated for credit.) (F, S)
- **THTR 406 Rehearsal and Performance (1).** Substantial participation in theatre productions through practical experience in performance assignments. (May be repeated for credit.) (F, S)
- **THTR 412 Advanced Stage Directing (3).** Directing for the stage; includes advanced scene work techniques and modern trends in directing theories. Prerequisite: THTR 312. (Alt F)
- **THTR 425 Dramatic Literature (3).** A study of dramatic literature and its relationship to period and genre. (Alt S)
- **THTR 431 Theatre History I (3).** Theatre and theatre arts from the Greeks through the Renaissance. (Alt F)
- **THTR 432 Theatre History II (3).** Theatre and theatre arts from the Restoration through the 19th century. (Alt S)
- **THTR 433 Theatre History III (3).** Theatre and theatre arts from the 20th century to the present. (Alt F)
- **THTR 434 Theatrical Scene Painting (3).** Scene painting for the theatre employing classical and contemporary methodology. Drafting and art supplies required. (Alt F)
- **THTR 468 Workshop in Theatre (1–3).** As announced. (May be repeated for credit.)
- **THTR 470 Children's Theatre in Performance (3).** Explores the process of developing a production for children. Topics to be studied include creative dramatics, rehearsal games and techniques as well as youth performance. (F)
- **THTR 471 Children's Theatre in Production (3).** Explores the process of developing a production by children. Topics to be studied include creative dramatics, rehearsal games and techniques as well as youth performance. (S)
- **THTR 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 credits.) (F, S, Su)
- **THTR 493 Topics in Theatre (1–3).** As announced. (May be repeated for credit.) Prerequisite: consent of the instructor. (F, S, Su)
- **THTR 496 Theatre Internship (2–6).** Supervised practical internship in departmentally approved stock and/or repertory theatre experiences. As announced. (May be repeated for credit.) Prerequisites: application to departmental internship; consent of department. (F, S, Su)
- **THTR 499 Major Recital (3).** A performance of artistic exhibition demonstrating efficiency in a particular theatrical art. Required of all BFA majors with emphasis in theatre (excluding theatre education) during their senior year. Prerequisite: consent of instructor. (F, S)

University (UNIV)

- **UNIV 100 College Success Skills (1).** Designed to improve academic standing, this course focuses first on assessment of student's academic strengths and then on enhancement of individual skills and goals that support college success. (F, S) (Credit not applicable to baccalaureate or associate degrees.)
- **UNIV 101 Freshman Seminar (3).** Aiding academic and social transition to the university, this required interdisciplinary course focuses on critical thinking, research and writing; social issues for new students; exploration of campus resources; and community building. (F, S)

UNIV 293 Topics in University Courses (1–3). (F)

Administrative Chart



Administration, Faculty and Staff

Board of Regents

Governor of New Mexico

(Ex-officio)	The Honorable Bill Richardson
President	Marshall Stinnett
Vice President	Jay Gurley
Secretary/Treasurer	Alva Carter
Board Member	Pauline Ponce
Board Member	Diego Espinoza

Eastern New Mexico University Office of the President

President	Steven G. Gamble
Director of Athletics	Mike Maguire
Internal Auditor	Sherri Johnston
Director, Development	Noelle Bartl
Associate Director of Personnel Service	s/
Affirmative Action Grievance Office	r Chris Mullins
Director of Advising S	Suzanne Balch-Lindsay
Coordinator, Freshman Studies	Dann Brown

Office of Academic Affairs

Vice President Robert Vartabedian
Assistant Vice President for Academic Affairs Reneé Neely
Dean, College of Business Lee Weyant
Chair, Advanced Business Studies Jose Villarreal, Jr.
Chair, Business Foundations
Dean, College of Education and
Technology Jerry Harmon
Chair, Department of Curriculum and
Instruction Jerry Everhart
Chair, Department of Educational Studies Alan Garrett
Coordinator, Counseling Programs Dena Moore
Chair, Department of Family and Consumer
Sciences and Agriculture Terry Ervin
Chair, Department of Health and
Physical Education Mary Drabbs
Coordinator, Teacher Education Kathleen Tayler
Director, Child Development Center Francine Stuckey
Dean, College of Fine Arts David Gerig
Chair, Department of Music John Olsen
Chair, Department of Art Mic Muhlbauer
Chair, Department of Theatre and Dance Felipe Macias
Dean, College of Liberal Arts and Sciences Thurman Elder
Assistant Dean, College of Liberal
Arts and Sciences Mary Ayala
Chair, Department of Anthropology and Applied
Archaeology John Montgomery
Chair, Department of Biology Marvin Lutnesky
Chair, Department of Communicative
Arts and Sciences Janet Roehl
Chair, Department of Communicative Disorders
and Nursing Phillip Million
Chair, Department of History and
Humanities Donald Elder III
Chair, Department of Languages
and LiteratureJerald Spotswood
Chair, Department of Mathematical
Sciences
Chair, Department of Physical Sciences Robert Pierce
Chair, Department of Social and
Behavioral Sciences Donald Morris

Chair, Department of Religion
Director, University Writing Programs Patricia Thatcher
Dean, Graduate School Phillip Shelley
Director, Academic Advising Suzanne Balch-Lindsay
Director, Broadcast Center KENW-TV Duane W. Ryan
Director, Broadcast Engineering Jeffrey Burmeister
Director, Instructional Television Vicki Brisco
Director, Extended Learning Gerry Huybregts
Director, Center for Teaching Excellence Elwyn Hulett
Director, Golden Library Melveta Walker
Director, Agency for
Conservation Archaeology John Montgomery
Coordinator, Freshman Studies Dann Brown

Office of Business Affairs

Vice President	Scott Smart
Comptroller	
Director of Personnel Services .	Oscar Robinson
Director, Physical Plant	Lewis Reeves
Director, University Bookstore	Jessie Luna

Office of University Relations and Enrollment Services

Vice President Director, University Printing Services	U
Director, Media Relations	•
Director, Publications	
Director, Admissions	Phyllis Seefeld
Director, Student Success	
Director, Information Technology	
Services	Robert Hilgenfeld
Webmaster	Adam Morrison

Office of Planning and Analysis

Executive Director, Planning and Analysis	
and Institutional Renewal	Patrice Caldwell
Associate Director, Institutional Research	Amy Holt
Coordinator, Student Learning Assessment	Sue Strickler
Coordinator, Grants Activities	

Office of Student Affairs

Vice President	Gary Musgrave
Chief, University Police	Ray Chambers
Director, Campus Union/Auxiliary	
Services	A. Ramon Garcia
Director, Counseling and Career Services	Ty Walker
Director, Financial Aid	Joyce Eldridge
Director, Food Services	Trevor Ivy
Director, Health Services	Carol Holland
Director, Housing/Residence Life	. Stephanie McClary
Director, Student Activities and Organiza	tions Will Kayatin
Director, Student Support Services	Nico Cameron
Director, Talent Search	Mary Watson
Director, Upward Bound	Susan Cramp
Registrar	Betty Crane

Eastern New Mexico University-Roswell

	-/
Provost	
Dean, Instruction	
Dean, Student Services	
Dean, Administrative Services	Bill Jones
Dean, Information Services	
Director, Human Resources	Paul Merryman
Director, Community Relations/	
College Development	Donna Gutierrez
Associate Dean, Instructional Support	
and Development Studies	Cherryl Kilness
Associate Dean of Career and	
Technical Education	Dusty Heritage
Chair, Business and Science Division	Carolyn Shearman
Chair, Customized Training Division	Robert Rhodes
Chair, Division of Health	
Chair, Liberal Arts Division	Helen Cogan
Director, Learning Resource Center	Rollah Aston
Director, Learning Technologies	Diane Klassen
Director, Special Services	Linda Green
Director, Adult Basic Education	Avon Wilson
Director, Testing and Assessment M. I	Elaine Espinosa-Sims
Associate Dean, Student Services	Mike Martinez
Director, Admissions and Records	Ida Stover
Director, Financial Aid	Jessie Hall
Director, Career Resources	Donna Kittrell
Director, Student Outreach	Greg Martinez
Director, Physical Plant	Darryl Ward
Director, Business Office	Joe Sedillo
Director, Computer Services	Tillman Crocker
-	

Eastern New Mexico University-Ruidoso

	/
Provost	Mike Elrod
Coordinator, Student Affairs	Sue Kluthe
Coordinator, Assessment	Karen Reeder
Coordinator, Literacy	Mary Allen
Librarian	Jim Pawlak
Advisor, Student Affairs	Cindy Lynch
Accountant	Pat Counts
Director, ABE and NM Works Program	ns John Hemphill
Case Manager, NM Works	Juanita Garcia
Case Manager, NM Works	Maurice Gudgel

University Faculty

- Daniel Acheson-Brown Associate Professor of Political Science (1994) — B.A., Washburn University; B.S., M.A., Kansas State University; Ph.D., University of Kansas.
- Mohamad H. Ahmadian Professor of Electronics Engineering Technology (1992) — B.S., M.S., Ph.D., University of Missouri-Columbia.
- Hamid Allamehzadeh Associate Professor of Technology (1998) — B.S., M.S., Ph.D., University of Oklahoma.
- William Andersen Associate Professor of Physics (1995) B.S., Baylor; Ph.D., M.I.T.
- **Regina Aragon** Graduate Coordinator; Professor of Mathematics (1993) B.A., M.A., Ph.D., University of Colorado.
- Mary Arth Assistant Professor of Elementary Mathematics (2002) B.A., M.A., Ph.D., University of Wyoming.
- Mary Fanelli Ayala Assistant Dean, College of Liberal Arts and Sciences; Professor of Spanish (1992) — B.A., LaSalle University; M.A., Ph.D., Temple University.
- **Rosemary Bahr** Associate Professor of Sociology (1987) B.S., Brigham Young University; M.S., Ph.D., Washington State University.
- Suzanne Balch-Lindsay Associate Professor of History (1995) — B.A., M.A., Ph.D., Texas Tech University.
- David C. Batten Instructor of Anthropology (1997) B.S., Colorado State University; M.A., Ph.D., University of New Mexico.
- **Chris Beaty** Assistant Professor of Music (2000) B.S., Austin Peay State University; M.M., University of Cincinnati.
- **Anne Beck** Assistant Professor of Theatre (2003) B.F.A., Cornish Institute; M.F.A., Columbia University; Ph.D. The City University of New York.
- Claudia Bird Instructor of Communicative Disorders (1998) B.A., M.A., New Mexico State University.
- Nina G. Bjornsson Graduate Coordinator; Associate Professor of English (1999) — B.A., M.A., Colorado State University; Ph.D., University of Arizona.
- Melissa Blevins Associate Professor of Criminal Justice (2001)
 B.S., M.S., Arizona State University; Ed.D., Nova Southeastern University.
- **Ron Blevins** Assistant Professor of Accounting (2001) B.A., Seattle University; M.B.A., Arizona State University; Ph.D., New Mexico State University.
- Ellen Bral Associate Professor of Nursing (1994) B.S.N., St. John College; M.S., Boston College; Ph.D., New York University.
- Adrienne Bratcher Instructor of Communicative Disorders (2002) — B.S., M.S., Eastern New Mexico University.
- Daniel A. Brown Associate Professor of Agriculture (1996) —
 B.S., M.S., Pittsburg State University; Ph.D., Oklahoma State University.
- Tom R. Brown Assistant Professor of Computer Science (2000)
 B.S., Illinois State University; M.S., Illinois State University; Ph.D., University of New Mexico.
- William H. Brunsen Professor of Finance; (1987) B.S., Eastern New Mexico University; M.A., Ph.D., University of Nebraska.
- Janet K. Buzzard Associate Professor of Computer Information Systems (1996) — B.S., Missouri Southern State College; M.S., Pittsburg State University; Ed.D., Oklahoma State University.
- Anne M. Cable Associate Professor of Computer Science (1997)
 B.A., State University of New York; M.S., Ph.D., University of New Mexico.

- Patrice Caldwell Executive Director of Planning and Analysis/ Institutional Renewal; Associate Professor of English (1980)
 — B.A., University of Southern California, Los Angeles; M.A., Ph.D., University of California.
- Tracy A. Carr Associate Professor of Music (1999) B.M., University of Rhode Island; M.M., Miami University; D.M.A., University of Southern California.
- Fred Chilson Instructor of Professional Technical Education (2005) — B.S., M.Ed., Iowa State University.
- Megan Chilson Graduate Coordinator; Assistant Professor of Health and Physical Education (2002) — B.S., Brigham Young University; M.S., University of Idaho; Ed.D., Idaho State University.
- Alan Chmura Assistant Professor of Computer Information Systems (2004) — B.A., College of Wooster; M.S., Case Western Reserve University; Ph.D., University of Southern California.
- **Youngkoo Cho** Assistant Professor of Biology (2001) B.S., Chonbuk National University; M.S., University of Arizona; Ph.D., South Dakota State University.
- Yunsun Chung-Shin Assistant Professor of Art (2003) B.F.A., Seoul National University; M.F.A., Indiana State University.
- Lance Clemmons —Instructor of Religion (2004) B.A., University of Texas at San Antonio; M.Div., Gordon-Conwell Theological Seminary.
- Jeanne Cobb Associate Professor of Reading Education (2002) — B.S., Western Carolina University; M.S., Ed.D., University of Tennessee.
- James Constantopoulos Associate Professor of Geology; Curator, Miles Mineral Museum (1990) — B.S., California State University/Northridge; M.S., Ph.D., University of Idaho.
- J. Vitelio Contreras Associate Professor of Spanish (1998) B.A., M.A., University of California Santa Barbara; Ph.D., University of New Mexico.
- Fred Cordova Professor of Psychology (1992) B.A., Eastern New Mexico University; M.Ed., Pan American University; Ph.D., University of New Mexico.
- Mark Dal Porto Associate Professor of Music (2001) B.A., M.A., California State University; D.M.A., The University of Texas at Austin.
- **Dale N. Davis** Professor of Marketing (1982) B.S., Berry College; M.B.A., D.B.A., Georgia State University.
- **Patricia Dobson** Instructor of Communication (2001) B.S., M.A., Eastern New Mexico University.
- Michael W. Donaghe Associate Professor of English (1984) B.A., University of Oklahoma; M.A., Oklahoma State University; Ph.D., Purdue University.
- Mary E. Drabbs Chair, Department of Health and Physical Education; Associate Professor of Health and Physical Education (1997) — B.S., Western Montana College; M.S., Eastern Washington University; Ed.D., The University of Texas.
- Kathy Roler Durand Assistant Professor of Anthropology (1993) — B.A., M.A., Ph.D., Arizona State University.
- **Stephen Durand** Professor of Anthropology (1991) B.A., Purdue University; M.A., Eastern New Mexico University; Ph.D., University of Washington.
- **Donald C. Elder** Chair, Department of History and Humanities; Professor of History (1995) — B.A., University of Northern Iowa; M.A., Ph.D., University of California.
- I. Thurman Elder Dean, College of Liberal Arts and Sciences; Professor of Mathematics (1966) — B.S., M.A., Eastern New Mexico University; Ph.D., Texas Tech University.
- **Gregory Erf** Professor of Art (1987) B.F.A., Ohio State University; M.F.A., State University of New York.

- R. Terry Ervin Chair, Department of Family and Consumer Sciences and Agriculture; Associate Professor of Agriculture (2003) — B.S., M.S., University of California at Riverside; Ph.D., Oklahoma State University.
- Jerry Everhart Chair, Department of Curriculum and Instruction; Associate Professor of Elementary Education (1995) — B.S., M.A., Ed.D., East Carolina University.
- James Finley Assistant Professor of Chemistry (2002) B.A., Southern Illinois University; Ph.D., University of Chicago.
- Mary Finneran Associate Professor of Art (1988) B.S., Ball State University; M.F.A., University of Arizona.
- **Geni Flores** Instructor of Bilingual Education (1999) B.A., M.Ed., Eastern New Mexico University.
- Janet O. Frost Graduate Coordinator; Professor of Anthropology (1970) — A.A., College of Southern Utah; B.A., University of Utah; M.A., Ph.D., University of Oregon.
- **Bill Gaedke** Instructor of Education Foundations (1994) B.S., M.Ed., Eastern New Mexico University.
- Elizabeth Galligan Assistant Professor of Bilingual Education (2002) — B.A., Ph.D., University of New Mexico; M.A., University of California at Los Angeles.
- Steven Gamble President; Professor of History (2001) B.A., M.A., Ph.D., Texas Tech University.
- Alex Garman Assistant Professor of History (2004) B.A. (History), B.A. (Classical Antiquity), MA., University of Kansas; Ph.D., University of Missouri.
- Alan W. Garrett Chair, Department of Educational Studies; Professor of Secondary Education and Education Foundations (1992) — B.S., University of Oklahoma; M.Ed., Abilene Christian University; Ph.D., The University of Texas at Austin.
- John George Assistant Professor of Mathematics (2002) B.A., Texas Tech University; M.S., Ph.D., University of Illinois at Urbana.
- Gerald A. Gies Associate Professor of History (1995) B.A., M.A., Florida Atlantic University; Ph.D., Florida State University.
- Linda Ann Gies Professor of History (1990) B.A., University of California, Riverside; M.A., Ph.D., University of California, Santa Barbara.
- Leslie Anne Gill Associate Professor of Psychology (1996) B.A., Loyola Marymount; M.A., Ph.D., Southern Illinois University.
- Kathie Good Assistant Professor of Special Education (2001)
 B.S., M.S.E., Eastern New Mexico University; Ph.D., Texas Tech University.
- Lorraine Goodrich Instructor of Nursing (2000) B.S.N., Eastern New Mexico University; M.S.N., West Texas A&M University.
- Raymond A. Gormley VSO Director; Assistant Professor of Marketing (1974) — B.B.A., M.Ed., Eastern New Mexico University.
- Amy Hazelrigg Assistant Professor of Elementary Education (2003) — B.A., M.A., M.S., Indiana University; PhD., University of New Mexico.
- David D. Hemley Associate Professor of Finance (1998) B.A., Northern Illinois University; M.A., Northern Illinois University; M.B.A., Regis University; Ph.D., Colorado State University.
- **Cheryl Hendershot** Instructor of English (1997) B.A., M.A., Eastern New Mexico University.
- Newton Hilliard Graduate Coordinator; Assistant Professor of Chemistry (2000) — B.S., Wayland Baptist University; Ph.D., Texas Tech University.

- **Tobin Hitt** Instructor of Religion (1999) B.A., Dartmouth College; J.D., University of Bridgeport; M.Div., Holy Apostles Seminary.
- **Greg Hobbs** Instructor of Computer Science (2003) B.S., M.A., Eastern New Mexico University.
- **Donald Holladay** Instructor of Religion (2002) B.A., McMurry College; M.Th., D.Min., Perkins School of Theology, Southern Methodist University.
- Cheryl Holloway Assistant Professor of Health and Physical Education (1998) — B.S., Brigham Young University; M.S., Ph.D., University of New Mexico.
- Nita Howard Instructor of Religion (1980) B.A., Covenant College; M.A., Brandeis University.
- John Humphreys Associate Professor of Management (2000) — B.S., University of Southern Mississippi; M.A., Webster University; D.B.A., Nova Southeastern University.
- Romelia Hurtado de Vivas Assistant Professor of Bilingual Education (2003) — B.A., University of Washington; M.S., Colorado State University; M.S., Columbia University; P.h.D., University of New Mexico.
- **Gerry Huybregts** Director, Extended Learning; Associate Professor of Management (1988) — B.A., M.B.A., Ph.D., University of California, Los Angeles.
- Mark M. Isham Associate Professor of Education (1982) —
 B.A., Lea College; B.S., Bemidji State College; Ph.D., The University of Texas at Austin.
- **Trish James-Maguire** Instructor of Computer Information Systems (1990) — B.B.A, M.B.A, Eastern New Mexico University.
- Douglas Scott Jarvis Chair, Department of Religion; Instructor of Religion (1999) — B.A., Lubbock Christian University; M.S., Abiline Christian University.
- Catherine Jennings— Assistant Professor of Art (2004) B.A., Smith College; M.F.A., University of Pennsylvania; Ph.D., Texas Tech University.
- Caryl Lynn Johnson Associate Professor of Family and Consumer Sciences (1998) — B.S., Austin Peay State University; M.S.Ed., Eastern Illinois University; Ed.D., University of Houston.
- V. Scott Johnson Professor of Psychology (1981) B.S., Oklahoma City University; M.S., Oklahoma State University; Ph.D., Iowa State University.
- Mary K. Kallus Assistant Professor of Reading Education (2003) — B.A., M.Ed., Ed.D., Texas Tech University.
- **Gregory Keller** Assistant Professor of Biology (2002) B.S., Alma College; M.A., College of William and Mary; Ph.D., Pennsylvania State University.
- John Kennedy Associate Professor of Music (2000) B.M., University of Texas at El Paso; M.M., New Mexico State University; Ph.D. Texas Tech University.
- **John Kirby** Instructor of Communication (2003) B.A., University of Notre Dame; M.S., Boston University.
- Margaret Kirby Assistant Professor of Communication (2004) — B.A., George Mason University; J.D., Campbell University.
- Zhiming Liu Graduate Coordinator; Associate Professor of Biology (1998) — B.A., Shanghai Fisheries University; M.S., South China Normal University; M.S., University of Washington; Ph.D., Texas Tech University.
- Paul Lockman Professor of Sociology (1984) B.A., Indiana University of Pennsylvania; M.A., University of New Hampshire; Ph.D., University of Colorado.
- Robert D. Long Assistant Professor of Chemistry (2000) B.S., Southern Illinois University; Ph.D., Washington University, St. Louis.

- Kim Luna Instructor of Mathematics (1981) B.S., Eastern New Mexico University; M.A., Texas Tech University.
- Marvin M. F. Lutnesky Chair, Department of Biology; Professor of Biology (1992) — B.S., M.S., San Diego State University; Ph.D., University of Hawaii.
- Felipe Macias Chair, Department of Theatre and Dance; Professor of Theatre (1987) — B.A., St. Edwards University; M.F.A., University of Mississippi.
- Douglas Main Assistant Professor of Counseling (2004) B.S., Mid-America Nazarene College; M.S., Fort Hays State University; Ph.D., University of Arkansas.
- Jason L. Malaney Instructor of Biology (2004) B.S., M.S., Eastern New Mexico University.
- Roberto Mancusi Assistant Professor of Music (2004) B.M., Simpson College; M.M., Ph.D., University of Missouri-Kansas City.
- Ina Michelle McMillan Instructor of Mathematics (2002) B.S., M.A., Eastern New Mexico University.
- **Robert McTaggert** Assistant Professor of Physics (2000) B.A., B.S, West Virginia University; Ph.D., Pennsylvania State University.
- Phillip C. Million Chair, Department of Communicative Disorders and Nursing; Associate Professor of Communicative Disorders (1992) — B.S., Phillips University; M.S., Ph.D., University of Oklahoma.
- Kevin D. Mitchell Assistant Professor of Communication (2004)
 B.S., Northern Arizona University; M.A., Northern Illinois University.
- John Montgomery Director, Agency for Conservation Archaeology; Chair, Department of Anthropology and Applied Archeology; Professor of Anthropology (1984) — B.A., University of Arizona; M.A., Texas Tech University; Ph.D., University of Colorado.
- **Donald Morris** Chair, Department of Social and Behavioral Sciences; Associate Professor of Accounting (1997) — B.A., California State University; M.A., M.S., De Paul University; Ph.D., Southern Illinois University.
- Mir Mortazavi Associate Professor of Mathematical Sciences (2000) — B.A., Karaj College of Mathematics and Economics/ Management; M.B.A., Oklahoma City University; M.S., Central Washington University; Ph.D., University of Wyoming.
- Maureen Muhlbauer Chair, Department of Art; Professor of Art (1991) — B.F.A., Texas Christian University; M.F.A., Maryland Institute College of Art.
- Reneé Neely Assistant Vice President for Academic Affairs; Professor of Psychology (1975) — B.A., M.A., Ed.S., Eastern New Mexico University; Ph.D., University of Northern Colorado.
- Mike O'Connor Instructor of Agriculture (2002) B.S., M.A., New Mexico State University.
- Antony Oldknow Professor of English (1987) B.A., M.Ed., University of Leeds; M.S., University of Edinburgh; Ph.D., University of North Dakota.
- Merlene Olmsted Professor of Family and Consumer Sciences (1992) — B.A., Walla Walla College; M.A., Loma Linda University, Riverside; Ph.D., Gonzaga University.
- John Olsen Chair, Department of Music; Professor of Music (1989) — B.M., Hartt College of Music; M.M., Manhattan School of Music; D.M.A., University of Southern California.
- Jeannette Otero Assistant Professor of Counseling (2004) B.A., M.A., New Mexico Highlands University; Ed.D., University of New Mexico.
- Ollie Oviedo Associate Professor of English (1989) B.A., Baruch College, The City University of New York; M.A., The New School for Social Research; Ph.D., New York University.

- **Cheryl Pachak-Brooks** Instructor of Music (1995) B.S., University of Southern Colorado; M.M., Eastern New Mexico University.
- Steven Palmer Assistant Professor of Business Law/ Management (2004) — B.A., M.B.A., J.D., Creighton University; Ph.D., University of Nebraska.
- Jason Paulk Director of Choral Activities; Assistant Professor of Music (2005) — B.M.E., Stetson University; M.M., Westminster Choir College.
- Kathleen Peca Professor of Education Administration (1988)
 B.A., Loyola University; M.A., Northeastern Illinois University; Ed.D., Northern Illinois University.
- Lila Pendergraft Instructor of Mathematics (1991) B.U.S., M.A., Eastern New Mexico University.
- Robert W. Pierce Chair, Department of Physical Sciences; Director, Electron Microscopy Facility; Professor of Geology (1982) — A.B., Monmouth College; M.S., Ph.D., University of Illinois.
- Dan Pilon Assistant Professor of Health and Physical Education (2001) — B.A., B.B.A., University of Virginia; Ph.D., University of New Mexico.
- Darren Pollock Assistant Professor of Biology (2001) B.S., M.S., University of Manitoba; Ph.D., University of Alberta.
- Jill Pribyl Associate Professor of Dance (1996) B.F.A., M.A., University of New Mexico.
- **Cheri L.S. Quinn** Graduate Coordinator; Associate Professor, Education Foundation and Secondary Education (2001); B.A., San Jose State University; M.S., San Jose State University; Ed.D., Oklahoma State University.
- **Tamara Raatz** Associate Professor of Music (2001) B.M.E., Baylor University; M.M., University of Michigan; D.M.A., Eastman School of Music.
- Janet Roehl Chair, Department of Communicative Arts and Sciences; Professor of Journalism (1993) — B.A., Northern Arizona University; M.A., Ph.D., Arizona State University.
- Shirley Rollinson Assistant Professor of Religion (1999) B.S., London University; M.Div., Trinity Episcopal School of Ministry; Ph.D., London University.
- **Deborah M. Rowley** Instructor of Biology (2003) B.S., Wayne State College; M.S., Eastern New Mexico University.
- **Neil Rutland** Instructor of Music (1994) B.S., Tennessee Tech University; M.M.Ed., University of Northern Texas.
- **Duane W. Ryan** Director of Broadcasting; Associate Professor of Communication (1967) A.B., California State University; M.A., Brigham Young University.
- Kathleen C. Salter Chair, Department of Mathematics; Professor of Mathematics (1972) — B.S., University of Detroit; M.S., Ph.D., Northwestern University.
- Ken Sanders Assistant Professor of Economics (2001) B.A., M.A., New Mexico State University; Ph.D., Utah State University.
- Janeice Scarbrough Associate Professor of Theatre (1992) B.I.S., New Mexico State University; M.F.A., Yale University.
- Anthony B. Schroeder Professor of Communication (1976)
 B.A., Adams State College; M.A., University of Arizona; Ph.D., University of Michigan.
- **Dustin Seifert** Instructor of Music (2000) B.M.Ed., University of Akron; M.M.Ed., University of Illinois.
- **Elizabeth Self** Associate Professor of Psychology (1994) B.A., San Diego State University; M.A., Ph.D., University of Kansas.
- Gregory P. Senn Professor of Art (1986) B.S., University of Wisconsin-Platteville; M.F.A., West Texas State University.

- Michael F. Shaughnessy Professor of Special Education (1983)
 B.A., Mercy College; M.S.Ed., P.D., Bank Street College of Education; M.S., College of New Rochelle; Ed.D., University of Nebraska.
- Phillip H. Shelley Dean, Graduate School; Professor of Anthropology (1979) — B.A., New Mexico State University; M.A., University of Northern Colorado; Ph.D., Washington State University.
- **Gene Smith** Instructor of Accounting (2002) B.S., M.B.A., Case Western Reserve University.
- Jerald Spotswood Chair, Department of Language and Literature; Associate Professor of English (1999) — B.A., University of California; M.A., San Diego State University; Ph.D., University of Alabama.
- **Christopher Stasheff** Graduate Coordinator; Associate Professor of Communication (2001) — B.A., M.A., University of Michigan; Ph.D., University of Nebraska.
- Allen Stata Associate Professor of Sociology (2002) B.A., Northeastern University; M.S.W., Boston University School of Social Work; Ph.D., Florence Heller School.
- Sue Stockly Assistant Professor of Economics (2004) B.A., M.B.A., College of Santa Fe; M.S., Ph.D., University of Texas.
- John Stockmyer Assistant Professor of Marketing (2002) B.S.E., Central Missouri State University; M.B.A., Rockhurst University; Ph.D., University of Missouri.
- **Sue Strickler** Professor of Political Science (1988) B.A., California State University, Stanislaus; M.A., Ph.D., University of Iowa.
- M. Francine Stuckey Director, Child Development Center; Professor of Family and Consumer Sciences (1974) — B.S., M.S., Kansas State University; Ph.D., Texas Tech University.
- Linda Sumption Assistant Professor of English (2003) B.A., Augustana College; M.A., New York University; Ph.D., The City University of New York.
- Suzanne Swift Assistant Professor of Communicative Disorders (1999) — B.S., Eastern New Mexico University; M.S., University of Texas at El Paso; Ed.D., Texas Tech University.
- Patricia Thatcher Director of University Writing Programs; Assistant Professor of English (2004) — B.S., M.A., Eastern New Mexico University; Ph.D., Indiana University of Pennsylvania.
- **Brian Townsend** Instructor of Religion (2002) A.A., South Plains College; B.S. New Mexico State University; M.Div., Golden Gate Baptist Theological Seminary.
- Manuel F. Varela Associate Professor of Biology (1997) B.A., University of New Mexico; M.S., Ph.D., University of New Mexico School of Medicine.
- **Robert Vartabedian** Vice President for Academic Affairs; Professor of Communication (2005) — B.S., California State University; M.A., Wichita State University; Ph.D., University of Oklahoma.
- **Charles Waggoner** Assistant Professor of Education (2004) B.A., M.S., Ed.S., Ph.D., Western Illinois University.
- Linda Weems Graduate Coordinator; Associate Professor of Communicative Disorders (1995) — B.S., Eastern New Mexico University; M.S., Ph.D., University of Oklahoma Health Sciences Center.
- **Robin Wells** Assistant Professor of Special Education (2004) B.S., M.S., Central Missouri State University; Ph.D. University of Kansas.
- Lee Weyant Dean, College of Business; Graduate Coordinator; Associate Professor of Management (2001) — B.S., Shippensburg University; M.S., St. Mary's University; D.B.A., Nova Southeastern University.

- Patricia Whitney Associate Professor of Elementary Education (2000) — B.A., Mount Saint Mary's College; M.A., San Francisco State University; Ed.D., The University of British Columbia.
- Jean Wozencraft-Ornellas Professor of Music (1984) B.M., Oberlin College; M.M., Bowling Green State University; D.M., Florida State University.
- Nicholas J.D. Wright Assistant Professor of Biology (1998) B.A., Ph.D., University of Southampton, England.
- Juchao Yan Assistant Professor of Chemistry (2002) B.S., Jilin University; Ph.D., Changchun Institute of Applied Chemistry.

Professional Staff 157

Professional Staff

- Randall Acker Systems Software Specialist (1992) M.B.A., Eastern New Mexico University.
- **Toni Acker** Director, Student Accounts (1982) B.B.A., Eastern New Mexico University.
- James Akins Reference/Serials Librarian (1988) B.A., Eastern New Mexico University.
- **Doris Anaya** Financial Aid Specialist (1990) A.A., A.S., B.B.A., Eastern New Mexico University.
- Viviano Archuleta Enrollment Services Counselor (1989) B.S., College of Santa Fe.
- **Ricardo Arredondo** Project Director, Title V (2003) M.A., Texas Tech University.
- Felix Armijo Custodial Services Manager (1999).
- Victor Babilonia Health & Physical Education Facility/Equipment Manager (2002) — B.A.A., Eastern New Mexico University.
- Jane Blakeley Purchasing Director (1990) A.A., B.S., Eastern New Mexico University.
- Steve Blakeley Printing Services Director (1989).
- Sandi Blakey Bookstore Textbook Manager (1988).
- Sheryl Borden TV Marketing Director/Producer/Host, KENW (1978) — B.S., M.Ed., Eastern New Mexico University.
- **Sue Bracksieck-Penry** Enrichment and Special Events Coordinator (1999) — B.A., Central State University.
- **Erminia Bresler** Accounts Payable Supervisor (1993) B.B.A., Eastern New Mexico University.
- Richard Bresler Telecommunications and Network Services Manager (1996) — B.A., Eastern New Mexico University.
- Vickie Brisco ITV Operations Director (2001) B.S., Eastern New Mexico University.
- **Bobby Brunson** Bookstore Floor Manager (1994) B.S., Eastern New Mexico University.
- **Gene Bundy** Special Collections/Reference Librarian (1994) B.U.S., Eastern New Mexico University.
- Jeffrey Burmeister TV Broadcast Engineering Director, KENW (2000) B.A., B.S., Ohio State University.
- Pricilla Bustos Student and Family Services Coordinator (2002) — B.A., Eastern New Mexico University.
- Jacob Calvio— Client Support Specialist (2004) A.A., Howard College.
- Nada Cameron TRIO Director of Student Support Service (1989) — B.A., University of Kentucky; M.Ed., Eastern New Mexico University.
- Julie Cathey Head Teacher, Child Development Center (2001) — B.S., M.E.D., Eastern New Mexico University.
- James Chacon Mechanical Services Manager (1996).
- **Ray Chambers** University Police Chief (1985) B.S., Eastern New Mexico University.
- **Cindy Cicero** Program Specialist (2003) B.A., Albertus Magnus College.
- Melva Clark Early Childhood Teacher (2004) M.S., Eastern New Mexico University.
- **Diana Cordova** Multicultural Affairs Director (1999) B.A., Universidad Complutense de Madrid.
- Rick Counts Broadcast Engineer, KENW (2000) A.E., Eastern New Mexico University-Roswell.
- Janice Cowen Alumni Affairs Coordinator (2001).
- Susan Cramp Upward Bound Director (2003) B.A., M.Ed., Eastern New Mexico University.
- **Betty Crane** Registrar (1986) B.S., Eastern New Mexico University.
- Ginger Creighton Safety Officer (1990) B.S., University of New Mexico.
- **Don Criss** TV Production Services Director (1974) B.S., M.Ed., Eastern New Mexico University.

- **Debbra Dark** Systems Operations Specialist (1991) B.B.A., Eastern New Mexico University.
- **Gary Darrow** Applications Development Specialist (1992) A.S., B.S., M.A., Eastern New Mexico University.
- **Bernita Davis** ACE Project Director (1997) A.S., Eastern New Mexico University-Clovis; B.S., Eastern New Mexico University.
- **Porfiro Delgado** Broadcast Engineer Trainee (2004) B.S., Eastern New Mexico University.
- **Betty Dever** Financial Aid Specialist (1995) A.A., B.A., Eastern New Mexico University.
- Joanne Dickenson Blackwater Draw Site Curator (1988) B.S., M.S., Eastern New Mexico University.
- Steve Dixon Title V Learning Communities Director (1997) B.A., Graceland College; M.A., University of Missouri.
- Jolene Duran Institutional Research Specialist (1999) B.S., Eastern New Mexico University.
- Alta Elder Outreach Coordinator (2004) M.A., Eastern New Mexico University.
- Joyce Eldridge Financial Aid Directory (2003) B.S., Wayland Baptist University.
- **Clark Elswick** System Operations Manager (2005) M. A., Eastern New Mexico University.
- **Elaine Ennis** Payroll Manager (1990) B.B.A., Eastern New Mexico University.
- **Steven Estock** Wellness Coordinator (2001) B.A., Clarion University.
- David Falkowski Government Documents/Reference Librarian (2002) — B.A., Michigan State University; M.S., Wayne State University.
- **Darin Fike** Night Custodial Supervisor (2004).
- **Carol Fletcher** Budget Analyst (1995) B.B.A., M.B.A., Eastern New Mexico University.
- **Robin Fuentes** Buyer/Central Copies (2001).
- Lilah Gainey Public Services/Reference Librarian (1996) B.S., Lubbock Christian College; M.L.S., Sam Houston State University; M.Ed., Texas Tech University.
- Ramon Garcia Campus Union/Auxiliary Operations Director (1991) — B.S., Howard Payne University; M.R.E., Golden Gate Seminary.
- **Ellen Gardiner** FRC Instructional Technology Specialist (1998) — A.S., Community College of the Air Force.
- Rena Garrett TV Development/Promotions Director, KENW (1998) — B.F.A., Texas Tech University; M.A., Eastern New Mexico University.
- Phillip Gill International Advisor/Recruiter (2005) M.A., Eastern New Mexico University.
- Lela Goar Family and Consumer Sciences Director (1989) B.S., Southwest Texas State; M.S., Texas Tech University.
- **Yvette Gossett** Graphic Artist (1986) B.A., Eastern New Mexico University.
- Wanda Graham Media Services Director (1981) B.S., M.Ed., Eastern New Mexico University.
- **Christina Greg-Cherry** Counselor (2003) B.B.A., Eastern New Mexico University.
- **Dennis Hales** Computer Lab Supervisor (2003) M.S., Chapman University.
- Linda Hamrick Telephone Systems Specialist (2000).
- Shannon Hearn FM Operations/Production Director (2003) — B.A., Eastern New Mexico University
- **Bob Hilgenfeld** Director, Information Technology Services (2003) Ph.D., University of Wyoming.
- Matthew Hillsman Blackwater Draw Museum Curator (1993) — B.A., M.A., Pennsylvania State University.
- Michael Hoffman Client Support Specialist (1998)

- Carol Holland Student Health Services Director (2001) B.S.N., M.S.N., University of New Mexico; Diploma in Nursing, Saint Mary's Hospital School of Nursing.
- **Amy Holt** Associate Director/Institutional Research (1987) A.S., B.U.S., Eastern New Mexico University.
- **Ellen Jeane** Acquisitions/Catalog Librarian (1990) B.A., Eastern New Mexico University; M.S., University of North Texas.
- Sherri Johnston Internal Auditor (1990) A.S., Bethany Nazarene College; B.B.A., Eastern New Mexico University.
- **Jacqueline Kabrick** Payroll Generalist (2003) A.A., Tulsa Community College.
- William Kayatin Student Activities and Organizations Director (2002) — B.A., M.A., Ph.D., University of Albany.
- **Betty King-Lowrey** Mentor Coordinator (1997) B.S., Eastern New Mexico University.
- Melissa Klafka MaxPac Director (2004) B.B.A., Eastern New Mexico University.
- **Susan Larsen** Counselor (2005) M.A., Eastern Michigan University.
- James Lee FM News and Public Affairs Director, KENW (2000) — A.A., Los Angles College; L.A., U.B., Blackstone School of Law; B.A., M.A., California State University; Ph.D., University of Utah.
- Karen Leonhardt TV Accounting Generalist, KENW (1998) A.A., Casper Junior College.
- **Becky Lopez** Client Support Supervisor (1987) B.B.E., Eastern New Mexico University
- **Fabian Lopez** Buyer, Central Receiving/Purchasing (2001).
- Ferron Lucero Recruiter (2004) B.S., Eastern New Mexico University
- Jessie Luna Bookstore Director (2000) B.M., Park College; A.B., New Mexico Military Institute.
- Le Neva Madden Administrative Computing Manager (1978) — B.B.A., Eastern New Mexico University.
- April Malaney Program Specialist (2002) B.S., Eastern New Mexico University.
- Michael Marshall Post Office Manager (2004) B.S., Eastern New Mexico University.
- **Emilia Martinez** TRIO Professional (1994) B.U.S., Eastern New Mexico University.
- Joann Martinez Applications Development Specialist (1994) — B.A., Eastern New Mexico University.
- **Andy Mason** TRIO Professional II (2004) B.A., Eastern New Mexico University.
- Stephanie McClary Housing Director (1996) B.A., Eastern New Mexico University.
- Ama McDermid Accounts Payable/Textbook Buyer (1998) B.B.E., Eastern New Mexico University.
- Tim McGee Distance Education Coordinator (2002) B.F.A., M.Ed., University of South Alabama; M.F.A., West Texas A&M.
- **Robert McKinney** Sports Information Director (1998) B.A., Baker University; M.A., Pittsburg State University.
- Virginia McReynolds FM Development Director, KENW (1996) — B.F.A., Eastern New Mexico University.
- Vicky Medley Student Retention and Success Specialist (2003) — M.A., Eastern New Mexico University.
- **Cynthia Mendoza** TV Assistant Operations Director (1998) B.A., Eastern New Mexico University.
- **Edward Miller** TV Chief Engineer (1988) A.S., Amarillo College; B.S., Eastern New Mexico University.
- Michael Miller Lab Supervisor (2004) B.A., Eastern New Mexico University.

- **Raylene Miller** Client Support Specialist (2002) A.A., Eastern New Mexico University.
- **Geralyn Million** Special Programs Coordinator (1996) B.B.A., Eastern New Mexico University.
- Ellen Mobley Nurse (2004) A.A., Clovis Community College.
- Maria Montaño First Year Experience Area Coordinator (2002)
 B.A., University of Texas at Arlington; M.A., Texas Tech University.
- **David Moon** Inventory Control Supervisor (1973) B.B.A., Eastern New Mexico University.
- Adam Morrison Webmaster (2004) B.S., Eastern New Mexico University.
- **Chris Mullins** Personnel Services Associate Director/Affirmative Action/Grievance Officer (1982) B.B.A., Eastern New Mexico University.
- Gary Musgrave Vice President for Student Affairs (1999) B.S., M.S., Northwest Missouri State University; Ed.D., Mississippi State University.
- Wanda Newberry Graphic Designer (1997).
- Michael Nuckols Building Services Manager (2000).
- **Reyna Nunez** Recruiter (2004) B.A., Eastern New Mexico University.
- **Ron Obenhaus** Academic Computing and Support Services Manager (1985) — B.S., M.A., Eastern New Mexico University.
- **David Ortega** Graphic Designer (2003) B.U.S., Eastern New Mexico University.
- **Orlando Ortega** TV Operations Director, KENW (1990) B.A., Eastern New Mexico University.
- Rhonda Payne System Software Specialist III (1984) B.A., New Mexico Highlands University.
- Jennifer Poyer Publications Director (1998) B.S., Eastern New Mexico University.
- John Prater Outreach Coordinator (2002) A.A., Clovis Community College; B.A., Eastern New Mexico University.
- Kenny Prince Grants and Contracts Accountant (2002) B.B.A., M.B.A., Eastern New Mexico University.
- Lee Quick Buyer/Central Receiving (1999) B.B.A., Eastern New Mexico University.
- Lewis Reeves Physical Plant Director (1992).
- Richard Rivera TV Producer/Director, KENW (1989) A.A., Cisco Junior College; B.A., East Texas State University.
- Oscar Robinson University Personnel Services Director (1986) — B.S., Langston University; M.A., College of Saint Thomas.
- Lenna Rolan Financial Aid Specialist (2002) B.B.A., Eastern New Mexico University.
- Mark Romero Roosevelt County Museum Curator (2002) B.S., Eastern New Mexico University.
- **Duane Ryan** Broadcasting Director, KENW (1968) A.A., El Camino College; B.A., Long Beach State; M.A., Brigham Young University.
- Angel Salas Silver Pass Card Manager (2002).
- **Crystal Sawyer-Payne** Accountant (2002) B.B.A., Eastern New Mexico University.
- **Robert Scott** TV Broadcast Engineer, KENW (2000) Certificate Electronics, Texas A&M University.
- Phyllis Seefeld Enrollment Services Assistant Director (2000).
- Angelica Segura TRIO Professional (2000) B.A., Eastern New Mexico University.
- Jintae Shin Systems Database Software Specialist (2004) B.S., San Diego State University.
- Wendel Sloan Media Relations Director/Monday Memo Editor (1982) — B.S., M.S., East Texas State University.
- Larry Smith Planning Associate (1995) B.A., University of New Mexico; J.D., American University.

- **Cody Spitz** Enrollment Services Counselor (2002) B.B.A., Eastern New Mexico University.
- Linda Stefanovic TV Program Director, KENW (1984) B.S., M.A., Eastern New Mexico University.
- **Thomas Tafoya** TRIO Professional (1999) B.A., Eastern New Mexico University.
- Kathleen Tayler Coordinator, Teacher Education (2003) M.A., University of New Mexico.
- **Brackston Taylor** Public Services Reference Librarian (1996) — M.A., University of Washington.
- **Deanna Teal** TRIO Professional (1993) B.B.A., Eastern New Mexico University.
- Jana Terry-Sanchez Financial Aid Specialist (2000) B.S., Eastern New Mexico University.
- Michelle Terry Development Specialist (2002) B.S., Eastern New Mexico University.
- **Bobbie Victor** Student Accounts Supervisor (1999) B.S.E., Eastern New Mexico University.
- **Richard Vigil** Soft Goods Buyer (2001).
- Melveta Walker Golden Library Director (1990) B.A., Eastern New Mexico University; M.A., Northern Arizona University.
- William Ty Walker Counseling and Career Services Director/ LPC Counselor (2000) — B.G.S., College of the Southwest; M.A., Liberty University.
- John Wall Grounds Services Manager (1981).
- Mary Watson Educational Talent Search Director (1997) B.A., State University of Arts and Sciences Potsdam New York; M.A., Idaho State University.
- Cynthia Wilcox Tutor/Mentor Coordinator (2000) A.A., New Mexico Junior College; B.S., Eastern New Mexico University.
- Michele Wood Extended Learning/ILL Librarian (1997) B.A., University of Dayton; M.L.S., Kent State.
- **Lora Wood** Nurse (2001) A.D.N., Eastern New Mexico University-Clovis.
- Janie Wood-Sanders Early Childhood Associate (2001) B.S., Eastern New Mexico University.
- **Elizabeth Wooley** Curriculum Coordinator (2002) B.S., Eastern New Mexico University..
- Jacob Workman TV Producer/Director, KENW (2002) B.A., Texas Tech University.

Emeriti Faculty

Mercedes Agogino — Professor Emerita of Physics

- Timothy Ashmore Professor Emeritus of Communication
- Donald Averill Associate Professor Emeritus of Chemistry
- Arlene Berne Associate Professor Emerita of English
- Stanley Berne Associate Professor Emeritus of English
- Albert A. Bettina Dean Emeritus, College of Education and Technology; Professor Emeritus of Industrial Education
- Milbur Bolin Associate Professor Emeritus of Economics
- **Meda Boutwell** (Clovis Campus) Director Emerita of Library **Duane Bowen** — Professor Emeritus of Music
- Louis A. Burkel, Jr. Associate Professor Emeritus of Music
- Phillip Buscemi Professor Emeritus of Biology
- William Calton Professor Emeritus of Mathematics and Computer Science
- Dudley Cash Associate Professor Emeritus of Agriculture
- **Charles Chambers** Assistant Professor Emeritus of Agriculture **Cecil Clotfelter** — Associate Professor Emeritus of Library Science
- Paul Coggins Professor Emeritus of English
- Joyce Davis Professor Emerita of Family and Consumer Sciences
- Hermann T. Decker Professor Emeritus of Humanities
- **Bonnie Dickenson** Associate Professor Emerita of Family and Consumer Sciences
- Bill D. Engman Professor Emeritus of Education
- Ezra L. Estes Assistant Professor Emeritus of Electronics
- Richard Fawcett --- Professor Emeritus of Mathematics and Statistics
- Gail Ferguson Assistant Professor Emerita of Communicative Disorders
- Doris Fleming Professor Emerita of Business Education
- **Frances Fleming** Assistant Professor Emerita of Health and Physical Education
- **Hetrick A. Foss** Associate Professor Emeritus of Business Education
- Ronald D. Fowler Associate Professor Emeritus of History
- Maria S. Friesen Associate Professor Emerita of Business Education
- **Everett Frost** Professor Emeritus of Anthropology; President Emeritus
- Antonio L. Gennaro Professor Emeritus of Biology
- **David M. Goin** Associate Professor Emeritus of Industrial Education
- Charles Gurwell Lecturer Emeritus of Modern Languages
- Henry Hahn Professor Emeritus of Psychology
- **Bernard Halperin** Professor Emeritus of History
- Dale Hamlett Professor Emeritus of Art
- William Hawk Associate Professor Emeritus of Anthropology
- **Douglas Jackson** Professor Emeritus of Mathematics and Computer Information Systems
- Jon S. Jonsson Associate Professor Emeritus of Music
- Newel M. Jorgensen Associate Professor Emeritus of Biology
- William M. Joy Assistant Professor Emeritus of Health and Physical Education
- **Dewey Langston** Professor Emeritus of Health and Physical Education
- Leonard P. Leary Assistant Professor Emeritus of Communication
- **B. B. Lees** Associate Professor Emeritus of Health and Physical Education
- Julia Rosa Lopez-Emslie Professor Emerita of Bilingual Education Ben K. Luck — Professor Emeritus of Psychology
- **Betty C. Lyon** Professor Emerita of Mathematics
- Natividad Macaranas Professor Emerita of Psychology
- Vern Maddox Instructor Emeritus in Building Construction Trades
- Galina McGuire Associate Professor Emerita of Art.
- **Robert Matheny** Professor Emeritus of History
- Glenn McCoy Professor Emeritus of Religion

Wanda McCracken — Assistant Professor Emerita of Education Laura McGuire — Assistant Professor Emerita of Library Science Howard B. Melton — Vice President Emeritus of Student Affairs and Professor Emeritus of Education John Morris — Associate Professor Emeritus of History Mary Lee Morris — Assistant Professor Emerita of Library Science W. Newell Page — Associate Professor Emeritus of Agriculture Myrtha Pages — Assistant Professor Emerita of Bilingual Education **Dorothy Parker** — Associate Professor Emerita of History **Donald V. Paschke** — Professor Emeritus of Music Gary S. Pfaffenberger — Professor Emeritus of Biology Richard E. Propes- Associate Professor Emeritus of Mathematical Sciences Carl Richardson - Professor Emeritus of Health and Physical Education Edward Richter - Assistant Professor Emeritus of Library Science Linda J. Robinson — Professor Emerita of English William J. Rosin - Professor Emeritus of Industrial Education Patrick Rucker — Professor Emeritus of Theatre Andy Sae — Professor Emeritus of Chemistry Victoria D. Sanchez - Assistant Professor Emerita of Management William Jack Scott - Associate Professor Emeritus of Health and Physical Education Jack Secor — Professor Emeritus of Biology Ram Sharma — Professor Emeritus of Chemistry Bill Sheridan — Assistant Professor Emeritus of Journalism Penny Stewart-Fawcett — Associate Professor Emerita of English Milton Swenson — Professor Emeritus of Music Candido Tafoya — Associate Professor Emeritus of Modern Languages Robert Taylor — Professor Emeritus of Biology **Paul Turpen** — Assistant Professor Emeritus of Humanities J. Richard Waite — Professor Emeritus of Theatre Eldon Walker — Associate Professor Emeritus of Communication Mary Jo Walker — Assistant Professor Emerita of Library Science Nancy N. Warr — Associate Professor Emerita of English Howard Webster — Professor Emeritus of Education Arthur Welker — Assistant Professor Emeritus of Music George Wheeler — Associate Professor Emeritus of Education Charles Wiley — Professor Emeritus of Art Margaret M. Willen — Associate Professor Emerita of Modern Languages Richard S. Willen — Associate Professor Emeritus of Sociology Jack Williamson — Professor Emeritus of English David Willoughby - Professor Emeritus of Music Vern Witten — Associate Professor Emeritus of Mathematics William Wood — Professor Emeritus of Music

Index

Abbreviations
Academic Integrity
Accounting
Courses
Program
Accreditation, University
ACT Credit Examination Program 28
Active Duty Military Program (ADM) 10
Administrative Drop
Admission
Application, Undergraduate
International Student 10
Military Personnel 10
Non-Degree Visiting Students 10
Office (see Enrollment Services, Office of)
Post-Baccalaureate
Probationary
Requirements
Secondary (High School) Students
Teacher Education Program
Transfer Students
Adult Re-Entry Program
Advanced Placement (AP)
Credit Awards
Examinations
Advising, Academic
Agricultural Business Major
Agricultural Communication Emphasis
Agricultural Economics
Agriculture
Courses
Program
Allied Health Sciences Programs
Anthropology and Applied Archaeology
Courses
Department of 69
Application Procedures, Admission 8
Applied Economics and Finance Emphasis 40 Art
Courses
Department of 59
Assessment, Student Learning
Associated Students
Athletic Training Minor 56
Athletics, Intercollegiate 21
Attendance Policy
Audit (Non-Credit) 24, 25
Auxiliary Services
BBA Degree Transfer Students
Bilingual Education Courses
Area/Minor
Biology 100
Courses
Department of
Bookstore

Botany Emphasis
Broadcast Journalism Emphasis
Broadcast Production Emphasis
BSN Completion Program
Business
Minor 40
Business Administration
Courses 112
Program
Business Affairs, Office of
Business, College of
Business Education
Courses
Programs
F10grams
Calendar, University 4
Campus Dining
Campus Residence Policy 18
Career Services 17
Catalog of Record 8, 22
Cell, Molecular Biology and Biotechnology Emphasis
Center for Teaching Excellence
Challenging, Course
Change of Campus, Intra-University
Chemical Physics Minor
Chemistry
Courses
Program
Child Development Center Fees 14
Choral Emphasis
Class Load, Student
Classification of Students
Clemency Policy
CLEP (College-Level Examination Program) 25, 30
Coaching Minor
Collection Agencies
College of
Business
Education and Technology
Fine Arts 58
Liberal Arts and Sciences
Commencement
Communication Studies 75, 76
Communication Courses
Communicative Arts and Sciences, Department of74
Communicative Disorders
Courses
Program
Communicative Disorders and Nursing, Department of
Community Physical Education Emphasis
Composite Major
Computer Graphics Minors
Computer Information Systems (Business)
Courses 117
Program 41
Computer Science (Mathematical Sciences)
Courses 118
Courses
Program

Course

Challenging 27
Descriptions 105
Drop/Add/Withdrawal 16, 26
Fees
Independent Study 27
Numbering
Repeat of a
Credit
Academic
Acceptance of
ACT
Advanced Placement
by Examination
CLEP
Data Entry of Transfer 8
Drop
for Military Service
Transfer Grade Point Calculation
Criminal Justice
Courses
Program
Cum Laude

Dance

Courses	119
Emphasis	65
Minor	66
DANTES	
Degree	
Plans	22, 33
Second	
Degree Requirements	
Associate (AA)	
Bachelor of Applied Arts and Sciences (BAAS)	
Bachelor of Applied Sciences (BAS)	
Bachelor of Arts (BA)	
Bachelor of Arts in Education (BAE)	
Bachelor of Business Administration (BBA)	
Bachelor of Fine Arts (BFA)	33
Bachelor of Music (BM)	
Bachelor of Music Education (BME)	
Bachelor of Occupational Education (BOE)	
Bachelor of Science in Nursing (BSN)	
Bachelor of Science (BS)	
Bachelor of Science in Education (BSE)	
Bachelor of Social Work (BSW)	101
Bachelor of University Studies (BUS)	
General Education	35, 36
Teacher General Education	
Delinquent Accounts and Loans, Student	
Design/Technical Theatre Emphasis	
Developmental Studies	
Dining, Campus	
Disabilities Services and Testing	
Disciplinary Sanctions	
Diversity/Global Courses	
Drop, Administrative	
Drop/Add	

Early Childhood Education
Courses
Emphasis (see Applied Economics/Finance)
Education and Technology, College of 42
Education Foundations Courses 121
Educational Software Clearinghouse, New Mexico7
Educational Talent Search
Electronic Media Minor76
Electronics Engineering Technology
Courses
Program
Elementary Education
Courses
Major
Emeriti Faculty
Emphasis
Endorsement Area, Subject Matter
Engineering Courses
English
Courses
Program
English as a Second Language Area/Minor
ENMU-Roswell
ENMU-Ruidoso
Environmental Geology Minor
Exchange Study
Courses
International Educational Exchange 21
National Student Exchange 21
FAFSA (Free Application for Federal Student Aid) 15
Family and Consumer Sciences
Courses
Program
Family and Consumer Sciences and Agriculture,
Department of
Family Educational Rights and Privacy Act (FERPA) 11
Fashion Merchandising Minor
Fashion Merchandising Minor
Fashion Merchandising Minor 53 Federal Loans 15
Fashion Merchandising Minor 53 Federal Loans 15 PLUS 16
Fashion Merchandising Minor 53 Federal Loans 15 PLUS 16 Stafford 16
Fashion Merchandising Minor 53 Federal Loans 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15
Fashion Merchandising Minor 53 Federal Loans 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 15
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Refund Policy 13
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees Course 14 Refund Policy 13 3 Special 14
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees Course 14 Refund Policy 13 3 Special 14 Finance 14
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees Course 14 Refund Policy 13 3 Special 14 Finance 128
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 15 Course 14 Refund Policy 13 Special 14 Finance 128 Emphasis (see Applied Economics/Finance) 128
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Emphasis (see Applied Economics/Finance) 15 Financial Aid 15
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Emphasis (see Applied Economics/Finance) 15 Financial Aid 15 Pell Grant 15
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Courses 128 Emphasis (see Applied Economics/Finance) 15 Pell Grant 15 Perkins Loan (formerly NDSL) 15
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 15 PLUS 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Courses 128 Emphasis (see Applied Economics/Finance) 15 Pell Grant 15 Petkins Loan (formerly NDSL) 15 PLUS Loans 16
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 16 Stafford 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Emphasis (see Applied Economics/Finance) 15 Financial Aid 15 Pell Grant 15 Petkins Loan (formerly NDSL) 15 PLUS Loans 16 Stafford Loans (formerly GSL) 16
Fashion Merchandising Minor53Federal Loans15Perkins15PLUS16Stafford16Federal Supplemental Educational Opportunity Grant15Fees14Course14Refund Policy13Special14Finance128Courses128Emphasis (see Applied Economics/Finance)Financial Aid15Pell Grant15Petkins Loan (formerly NDSL)15PLUS Loans16Stafford Loans (formerly GSL)16Student Incentive Grant15
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 16 Stafford 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Courses 128 Emphasis (see Applied Economics/Finance) 15 Pell Grant 15 Pell Grant 15 PLUS Loans 16 Stafford Loans (formerly NDSL) 15 PLUS Loans 16 Student Incentive Grant 15 Supplemental Educational 15
Fashion Merchandising Minor53Federal Loans15Perkins15PLUS16Stafford16Federal Supplemental Educational Opportunity Grant15Fees14Course14Refund Policy13Special14Finance128Courses128Emphasis (see Applied Economics/Finance)Financial Aid15Pell Grant15Petkins Loan (formerly NDSL)15PLUS Loans16Stafford Loans (formerly GSL)16Student Incentive Grant15
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 16 Stafford 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Courses 128 Emphasis (see Applied Economics/Finance) 15 Pell Grant 15 Pell Grant 15 PLUS Loans 16 Stafford Loans (formerly NDSL) 15 PLUS Loans 16 Student Incentive Grant 15 Supplemental Educational 15
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 16 Stafford 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Courses 128 Emphasis (see Applied Economics/Finance) 15 Financial Aid 15 Pell Grant 15 Perkins Loan (formerly NDSL) 15 PLUS Loans 16 Stafford Loans (formerly GSL) 16 Student Incentive Grant 15 Supplemental Educational 0pportunity Grant 15 Work Study Programs 16 Fine Arts, College of 58
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 16 Stafford 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Courses 128 Emphasis (see Applied Economics/Finance) 15 Pell Grant 15 Pell Grant 15 Petus Loans (formerly NDSL) 15 PLUS Loans 16 Stafford Loans (formerly GSL) 16 Student Incentive Grant 15 Supplemental Educational 0pportunity Grant Opportunity Grant 15 Work Study Programs 16 Fine Arts, College of 58 Fine Arts Minor 61, 64, 66
Fashion Merchandising Minor 53 Federal Loans 15 Perkins 16 Stafford 16 Stafford 16 Federal Supplemental Educational Opportunity Grant 15 Fees 14 Course 14 Refund Policy 13 Special 14 Finance 128 Courses 128 Emphasis (see Applied Economics/Finance) 15 Financial Aid 15 Pell Grant 15 Perkins Loan (formerly NDSL) 15 PLUS Loans 16 Stafford Loans (formerly GSL) 16 Student Incentive Grant 15 Supplemental Educational 0pportunity Grant Opportunity Grant 15 Work Study Programs 16 Fine Arts, College of 58

Freshman Seminar	
Description of	22
Courses	149

GED Examination
General Agriculture Emphasis 50
General Biology Emphasis
General Education
Philosophy 37
Requirements, Associate Degree 35
Requirements, Bachelor's Degree 36
Requirements, Teaching Degree 45
General Family and Consumer Sciences Emphasis 52
General Science Area/Minor 73, 93, 95, 97
General Studies Major 82
Geochemistry Minor
Geography (see also Department of Anthropology and Applied
Archaeology)
Courses
Geology
Courses
Program
Geophysics Minor
Global Courses, Diversity/
Grade
Correction of
Incomplete
Points
Probation
Review Policy
Satisfactory/Unsatisfactory 25
Suspension
Grading System
Graduate School7
Graduate Study by Undergraduate Students 24
Graduation
Grants, Student 15
Graphic Design Program 59
Greater Southwestern Studies
Greek
Courses 130
Minor

Handicapped Students (see Disabilities Services and Trio Programs) Health and Physical Education

Health and Physical Education	
Courses	131
Department of	55
Health Services, Student	
Hebrew Courses	
High School Core Requirements	
High School Students, Concurrent Enrollment	
History	
Courses	134
Program	80
History and Humanities, Department of	80
History of University	
Home Economics (see Family and Consumer Sciences)	
Honor Roll	
Honors	
Courses	
Graduation	
Program	
Housing and Residence Life, Office of	
Human Services Emphasis	
·	

Hι	Jma	nit	ies

Courses
Program
riogram
Incomplete Grade
Independent Study Courses
Institutional Assessment (see Student Outcome Assessment)
Instrumental Emphasis
Instrumental Performance Emphasis
Intercollegiate Athletics
Interdisciplinary Art Program
Interdisciplinary Programs
International Educational Exchange (IEE)
Courses
Program
International Student Admissions
Intramural and Recreational Sports21
Intra-University Change of Campus10
Journalism
Emphasis
Minor
Language Arts Area/Minor
Languages and Literature, Department of
Legal Studies Minor
Liberal Arts and Sciences, College of
Licensure, Teacher
Loans, Student
Lower-Division Transfer Modules
Magna Cum Laude
Major
Change of
Composite
Composite
Composite33Declaration of33Definition of33Management135Courses135Emphasis40Marketing136
Composite33Declaration of33Definition of33Management135Courses135Emphasis40Marketing136Emphasis40
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing136Emphasis40Marketing40Marketing Education40
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing20Courses136Emphasis40Marketing Education40Marketing Education40Mass Communication74
Composite33Declaration of33Definition of33Management33Courses135Emphasis40MarketingCoursesCourses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88
Composite33Declaration of33Definition of33Management33Courses135Emphasis40MarketingCoursesCourses136Emphasis40Marketing Education40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics88
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing0Courses136Emphasis40Marketing Education40Marketing Education40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Courses136
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing0Courses136Emphasis40Marketing Education40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing6Courses136Emphasis40Marketing Education40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing20Courses136Emphasis40Marketing Education40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major83
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major83Memberships, University2
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing0Courses136Emphasis40Marketing Education40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major2Microbiology Emphasis70
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing20Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major2Microbiology Emphasis70Military Admissions Program (MAP)10
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Courses136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Military Service, Credit for10
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Courses136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Minor, Definition of33
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Minor, Definition of33Mission, University5
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Minor, Definition of33Mission, University5Modern Languages Program87
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Courses136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Minor, Definition of33Mission, University5Modern Languages Program87Molecular Biology and Biotechnology Emphasis, Cell,70
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Courses136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Minor, Definition of33Mission, University5Modern Languages Program87Molecular Biology and Biotechnology Emphasis, Cell,70Multicultural Activities17
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Courses136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Minor, Definition of33Mission, University5Modern Languages Program87Molecular Biology and Biotechnology Emphasis, Cell,70
Composite33Declaration of33Definition of33Management33Courses135Emphasis40Marketing40Courses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Minor, Definition of33Mission, University5Modern Languages Program87Molecular Biology and Biotechnology Emphasis, Cell,70Multicultural Activities17Multicultural Affairs Program17Music17
Composite33Declaration of33Definition of33Management33Courses135Emphasis40MarketingCoursesCourses136Emphasis40Marketing Education40Mass Communication74Mathematical Sciences, Department of88Mathematics136Program88Medical Insurance19Medical Technology Major83Memberships, University2Microbiology Emphasis70Military Admissions Program (MAP)10Military Service, Credit for10Minor, Definition of33Mission, University5Modern Languages Program87Molecular Biology and Biotechnology Emphasis, Cell,70Multicultural Activities17Multicultural Affairs Program17

Music	Education Courses	40
Music	Technology Minor	64

National Student Exchange (NSE)

Courses	126
Program	
New Mexico Educational Software Clearinghouse	7
New Mexico Student Incentive Grant	15
Non-Credit (Audit)	24, 25
Non-Degree Visiting Students	
Non-Traditional Students	
Nursing	
Courses	
Program	78

Occupational Education	, Bachelor of	
------------------------	---------------	--

Payment, Methods of15
Pell Grant
Performing Arts Area/Minor
Perkins Loan (formerly NDSL)
Philosophy Courses
Physical Education
Physical Sciences
Courses
Department of
Physics
Courses
Program
Piano Minor
Piano Performance Emphasis
PLUS Loans
Police Department, University
Political Science
Courses
Program
Post-Baccalaureate Admission
Pre-Dentistry
Pre-Forestry
Pre-Medical Emphasis
Pre-Medicine
Pre-Pharmacy
Pre-Physical Therapy
Pre-Physician Assistant
Pre-Veterinary Medicine
Probation
Academic26
Disciplinary20
Professional Technical Education
Courses
Program57
Professional/Technical Writing Program
Psychology
Courses
Program
Public Administration and Policy Minor
Public Communication Emphasis
Public Relations Emphasis
Publications, Student
- ubications, student
Reading Area/Minor
Reading Education Courses
Refund Policy

Religion

Religion	1 4 4
Courses	
Department of	
Repeat of a Course	
Residence Policy, Campus	
Residency Definition for Tuition	13
Room and Board	15
Roswell, ENMU	
Ruidoso, ENMU	
C. I I I	16
Scholarships	
Second Degree	23
Secondary and K–12 Education	
Courses	122
Licensure	
Senior Citizens, Tuition for	13
Servicemen's Opportunity College (SOC)	10
Social and Behavioral Sciences, Department of	
Social Studies Area/Minor	
Social Work	, 101
Courses	1/5
Program	101
Sociology	
Courses	146
Program	103
Sororities	
Spanish	
Courses	146
Major	87
Minors	
Special Education	
Courses	122
Licensure	
Major	
Special Fees	
Sports Communication Emphasis	
Sports, Intramural and Recreational	
(see also Intercollegiate Athletics)	
Stafford Loans	16
Statement of Limitation	20
Statistics	
Courses	147
Program	
Strategic Planning	
Student	22
Assessment	
Class Load	
Classification	
Conduct	19
Employment	17
Government	
Information. Release of	
Publications	
Teaching	
Student Activities and Organizations, Office of	
Student Activities and Organizations, Office of Student Affairs, Office of	
Student Amairs, Office of	1/
Student-Designed Educational Program (SDEP)	
Student Health Center	
Student Learning Assessment Program	
Student Support Services	17
Subject Matter Endorsement Area/Minor	
, Definition of	37
with Elementary Licensure	
with Secondary Licensure	
with Secondary Licensure with Special Education Licensure	

Index |65

Summa Cum Laude	
Suspension	
Academic	
Disciplinary	

Teacher Education Programs
Teaching Degree General Education Requirements
Teaching of Natural Sciences Minor
Technical Writing Program, Professional/
Theatre Courses148
Theatre and Dance, Department of
Theatre Education
Theatre Performance Emphasis
Title IX Statement
Transcripts
Transfer among New Mexico Higher Education Institutions 11
Transfer Credit
Acceptance of
Appeal Procedure 12
Data Entry of Credit
Inter-Institutional Guides
Transfer Student
Admission of
Catalog of Record
Grade Point Calculation
Transferable Lower-Division General
Education Common Core11
Trio Programs
Tuition
Methods of Payments
Reduction
Refund Appeals Procedure
Refund Policy
Room and Board15
Tutoring
-

University

Accreditation	2
Administration	
Calendar	
Faculty	
History	5
Location	6
Map	
Mission	
Organizational Chart	
Professional Staff	
Resources	6
Vision Statement	5
University Courses	
University Studies Major	
University Theatre Studies Emphasis	
Upward Bound	

Veterans' Standards of Progress	
Vision Statement, University	5
Visual and Performing Arts	
Visual Arts Area/Minor	61
Vocal Performance Emphasis	63
Vocational Agriculture Endorsement	50
Vocational Family and Consumer Sciences Emphasis	53
,	

Warning, Disciplinary	
Wildlife and Fishery Sciences	
Withdrawal	
Courses	
Financial Responsibility	
University	
Women's Studies	
Work-Study Programs	
Zoology Emphasis	

