EASTERN
NEW MEXICO
UNIVERSITY

Portales, New Mexico 88130
575.562.1011
800.367.3668
**enmu.edu**

## A Message from the President

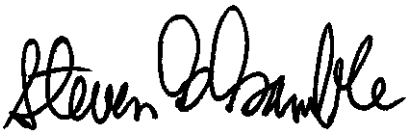
Welcome to Eastern New Mexico University. At ENMU, we are committed to helping you realize your intellectual potential and we will provide you with an exceptional education that can truly make a difference in your life.

The University provides a strong liberal arts educational experience that incorporates a traditional learning environment with 21st century technology. While ENMU offers a complete student life experience, we also provide distance learning opportunities and 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. ENMU also provides social, artistic and athletic activities. We encourage students to become involved and active in campus life and governance, and we 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 University 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.



## 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, 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1411, **ncahlc.org** 800.621.7440. The Master of Science education program in speech-language pathology at Eastern New Mexico University is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 2200 Research Boulevard 310, Rockville, Maryland 20850, 800.498.2071 or 301.296.5700. In addition, other specific programs within the University hold accreditation by the following: the Council for the Accreditation of Educator Preparation; the Accreditation Council for Business Schools and Programs, 11520 West 119th Street, Overland Park, KS 66213, 913.339.9356, **acbsp.org**; and the Council on Social Work Education. 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. The Bachelor of Science in Nursing Completion Program is accredited by the Accreditation Commission for Education in Nursing (ACEN).

## Memberships

The University is a member of the American Association of Colleges for Teacher Education, 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 Accreditation Council for Business Schools and Programs (ACBSP).

## Affirmative Action and Equal Opportunity Employer 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, religion, veteran status, disability or any other basis protected by law in its programs, activities or employment. Persons seeking additional information about the University's nondiscrimination policy should contact the Affirmative Action Officer, ENMU Station 9, 1500 S Ave K, Portales, NM 88130.

## Title IX Statement

"No person in the United States, shall, on a basis of sex, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance." Title IX of the Education Amendments of 1972, and its implementing regulation at 34 C.F.R. Part 106 (Title IX).

## 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 Education Rights and Privacy Act" information on Page 14 of this catalog.

**Since programs, policies, statements, fees 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 procedures, without prior notice.**

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

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# 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 associate, 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.

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 decision-making. This process has the input of all of the University members in order to facilitate continuous improvement.

The ENMU Foundation provides exceptional funding for scholarships and program enhancements, and the Alumni Association actively supports 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 lifelong learning, providing educational opportunities for an expanding spectrum of learners.

## Strategic Planning

The University strategic plan is updated annually, allowing the institution to pursue its goals and objectives, to use institutional data for informed decision-making and to address the needs of ENMU students and constituencies. The Plan's overarching objective is to place students and student learning at the center of every institutional action and activity. ENMU's strategic plan for 2013-2018 can be found at **enmu.edu/strategicplan**. 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 88130 or by phone at 575.562.2315.

## History

Although the youngest state university in New Mexico, ENMU looks with pride upon its 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. The third and fourth years of college were first offered in 1940. ENMU was accredited by the North Central Association of Colleges and Secondary Schools as a four-year liberal arts college in 1947. Graduate work leading to the master's degree was added in 1949, and the institution was officialy designated Eastern New Mexico University in 1955. ENMU is also accredited by the Council for the Accreditation of Educator Preparation.

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 in eastern New Mexico.

ENMU-Ruidoso opened in 1991 and 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 19,900. 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,

potatoes and cotton. Dairy and cattle production are principal industries in the county. Petroleum-related industries, grain, 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 Paleo-Indian 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 Miles Mineral Museum and a natural history museum.

The ENMU-Portales campus has approximately 56 buildings and structures centered about a pedestrian mall. Roosevelt Hall and the Science Building house the science teaching and research laboratories where students receive hands-on experience with a wide variety of modern scientific instruments.

The Broadcast Center is located in the Communication Building and is home to Eastern New Mexico University's state-of-the-art digital radio and television studios. Students studying in the field of communication have the opportunity for hands-on experience in the operation of the University's broadcast stations, where they can work closely with the professional staff in creating programs for both radio and television. KENW-TV provides both entertainment and educational programming to the general public, to area public schools and to homeschoolers. During the regular school year, KENW-TV produces at least five different weekly TV programs as well as evening newscasts. The newscasts are produced by students under the direction of the KENW-TV news director. Students also assist with other KENW-TV productions. The station is an affiliate of the Public Broadcasting Service (PBS) and the National Educational Television Association (NETA). With digital technology, KENW-TV is able to broadcast three channels of programming 24/7/365. Digital Channel 3-1 is the station's High Definition channel; Channel 3-2 is a Standard Definition Channel (SD) that feeds programming to some 25 cable companies in eastern New Mexico and parts of West Texas, as well as to DirecTV and Dish Network that carry the station's programming to most of the state of New Mexico; Channel 3-3 (SD) is KENW-TV's Children/Encore service, with programs for youngsters being broadcast from 6 a.m. to 9 p.m. and encore programs for adults from 9 p.m. until 6 a.m. the next morning. Students also assist in the operation of KENW-FM, an affiliate of National Public Radio (NPR), American Public Media (APM) and the Beethoven Satellite Network (BSN). The FM station can be heard throughout the entire eastern side of New Mexico and parts of West Texas. To accomplish this wide coverage, KENW-FM has five full-power FM transmitters and over a dozen translators scattered throughout the eastern half of the state of New Mexico.

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 labs provide students with word-processing 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 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 150-seat experimental theatre space. Next to it is the University Computer Center, a facility with modern student computer labs and technologically equipped classrooms.

## ENMU-Roswell

Established in 1958, Eastern New Mexico University-Roswell is a dynamic academic and career oriented university. The ENMU-Roswell campus offers 76 certificates and degrees in 41 academic and career/technical programs. Each semester, ENMU-Roswell provides educational opportunities to more than 6,000 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 online and on-site from the main campus in Portales. 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. More than 100 courses are taught online each semester. ENMU-Roswell also offers several online degrees: Associate of Applied Science in Environmental Management Technologies, Associate of Applied Science in Occupational Safety Engineering, Associate of Applied Science in Police Science, Associate of Arts in Business Administration, Associate of Arts in Criminal Justice, Associate of Arts in University Studies and Certificate of Computer Applications and Support.

## 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, phone 575.624.7149, toll-free: 800.243.6687, **roswell.enmu.edu**.

## ENMU-Ruidoso

The college in Ruidoso was established in 1991 as an Off-Campus Instruction Center, offering Lincoln County residents access to college level academic and career technical courses. In July 2005, the Ruidoso Campus was legislatively approved as a branch of ENMU becoming the 18th two-year college in New Mexico. ENMU-Ruidoso Branch Community College is a comprehensive two-year college offering Associate of Applied Science, Associate of Arts and Associate of Science degrees as well as numerous Occupational Educational Certificates of Completion. Upper-level undergraduate and graduate coursework offered through ENMU's distance education program may be completed in Ruidoso and is fully transferable to the Portales campus. ENMU-Ruidoso offers community education classes, customized training workshops and adult basic education courses.

For additional information about ENMU-Ruidoso programs and services call toll-free 800.934.3668. Catalogs and admission information are available from the Student Advising Center, ENMU-Ruidoso, 709 Mechem Drive, Ruidoso, NM 88345, phone 575.257.2120, **ruidoso.enmu.edu**.

## Graduate School

Graduate study was instituted at ENMU in 1949 and has been accredited since 1953. Graduate degrees are offered with majors in the following:

- Anthropology
- Biology
- Business Administration
- Chemistry
- Communication
- Communicative Disorders (with an emphasis in Speech-Language Pathology)
- Counseling
- Education (with emphases in Bilingual Education, Career and Technical Education, Education Administration, Educational Technology, Elementary Education, English as a Second Language, Gifted Education Pedagogy, Pedagogy and Learning, Reading/Literacy, Secondary Education and Special Education Pedagogy)
- English (with an emphasis in Literatures and Cultures of Migration)
- Nursing
- Physical Education (with emphases in Coaching and Sport Administration)
- School Counseling
- Special Education

## Graduate certificates are offered in the following:

- Alternative Licensure in Elementary Education
- Alternative Licensure in Secondary Education
- Alternative Licensure in Special Education

In addition, the following disciplines may intermittently 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 and theatre.

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 master's 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 should be addressed to the Graduate School, ENMU Station 24, 1500 S Ave K, Administration Building, Room 216, Portales, NM 88130, phone 575.562.2147. Prospective students may also obtain information or apply online at **graduate.enmu.edu**.

## Distance Education

Eastern New Mexico University delivers online education programs and courses throughout the United States and abroad. Eastern New Mexico University has been continuously accredited through the Higher Learning Commission (HLC) of the North Central Association since 1947. The HLC accreditation covers all of ENMU's campuses and programs. Additionally, the New Mexico Higher Education Department (NMHED) oversees and regulates all postsecondary institutions operating in New Mexico and recognizes that Eastern New Mexico University is authorized to offer programs in post-secondary education in both the undergraduate and graduate levels.

Recent amendments to the Higher Education Act of 1965 include changes to a regulation on state authorization that impact online and distance education providers.

> **The regulation states:**
> In an institution that is offering postsecondary education through distance or correspondence education to students in a state in which it is not physically located or in which it is otherwise subject to State jurisdiction as determined by the State, the institution must meet any State requirements for it to be legally offering postsecondary distance or correspondence education in that State. An institution must be able to document to the Secretary the State's approval upon request. (Authority: 20 U.S.C. 1001 and 1002)

Eastern New Mexico University must seek authorization to deliver distance education outside New Mexico borders. The regulation changes are designed to address the growing population of students residing at a distance and pursuing university-level education online.

ENMU is working to comply with these changes and will provide up-to-date information as it becomes available.

# Admissions

## Application for Admission

Any new student wishing to attend Eastern New Mexico University or any former student currently not attending must submit a completed application and appropriate transcripts and/or documents. See the matrix on Pages 9 through 13 for admission requirements, documents required and procedures.

The paper application for admission may be obtained by calling toll-free 800.367.3668 (800.FOR.ENMU) or writing to:

Office of Enrollment Services
ENMU Station 7
1500 S Ave K
Portales, NM 88130

The online application for admission may be obtained at **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.

If students wish to change when they would like to attend ENMU, they can modify their current application if the starting semester is within one semester of their original application. Students wishing to change their application may send an email to **records.scan@enmu.edu** with the following information:

1. First and last name
2. Student ID number
3. New start semester

**Note:** Please contact the Office of Enrollment Services, 800.367.3663, for any questions on this procedure.

## Degree-Seeking Students

### First-Time Freshmen

ENMU defines a first-time freshman as a student who is going to college for the first time since receiving a high school diploma/GED, even though the student may have taken dual or concurrent hours. Students who receive a certificate of completion instead of a high school diploma will be encouraged to complete the GED. The following high school core (of regular or accelerated courses) for applicants is strongly recommended:

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

High school students are also strongly recommended to take the ACT or SAT examination early and often and have their scores reported to ENMU.

- ENMU's ACT test code 2636
- ENMU's SAT test code 4299

See the matrix on Page 9 for admission requirements, documents required and procedures.

### Transfer Students

ENMU defines a transfer student as a student who is moving from a previous college to continue his/her undergraduate coursework.

1. **Official Transcripts**–Official transcripts submitted by transfer students from their previous institutions will be used for calculating admission eligibility.
2. **Data Entry of Transfer Coursework**–Transfer coursework is entered on the transfer student's new ENMU transcript, articulated to ENMU's standards and ENMU's grading scale. (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.) The acceptance of transfer coursework by the University does not guarantee these hours will satisfy requirements in a specific major or minor. The college overseeing the student's major or minor (College of Business, College of Education and Technology, College of Fine Arts, College of Liberal Arts and Sciences) must approve the course(s) that will count for the major or minor. Grades of "D" cannot be used to meet requirements for a major or minor. Students can access their "MyENMU Portal" accounts to view or print unofficial ENMU transcripts. Coursework articulated to ENMU classes will be marked with a "P."
3. **Acceptance of Transfer Credit**–College-level coursework is accepted for transfer from institutions whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA) Accrediting bodies currently recognized by CHEA are listed at **enmu.edu/accreditation.**
   - Non-transferable courses (those not of college level) include but are not limited to doctrinal religion courses and basic skills level courses.
   - Technical/Vocational courses are limited to use in specific degree programs.
   - Grades of "D" cannot be used to meet requirements for a major or minor but may meet other requirements.
   - Clemency granted at a previous institution will be applied only to the granting institution's coursework. All other coursework from other institutions will be entered on the transferring student's ENMU transcript.
4. **Academic Standing (Suspension)**–A transfer student who has been disqualified for registration at another college or university will not be considered for admission to ENMU-Portales until the suspension period has been completed. If the transferring student is on probation from his/her current institution, the probationary status will be carried over to ENMU-Portales. See matrix on Page 33 for warning, probation and suspension policy.
5. **Academic Clemency on Transfer Work**–A student granted academic clemency at a prior institution must present verification of that through official transcripts. Transfer of academic clemency will be honored only when the clemency is granted by the academic institution at which the student originally took the courses.

Credit for college-level work from an institution that is a candidate for accreditation by a CHEA recognized body will be accepted. Work completed at an institution not accredited by a CHEA recognized body may be validated by course challenge. See "Course Challenging" on Page 34.

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

See matrix on Pages 9 through 11 for admission requirements, documents required and procedures.

### International Student Admission

An international student on a non-immigrant student F-1 visa or J-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, as well as supporting letter from the bank, prior to attending ENMU and have a TOEFL iBT score of 61 (173 computer-based, 500 written) or complete the highest level of an intensive English program for admission consideration. ENMU

will also accept IELTS scores of at least 6.0 in lieu of TOEFL. A waiver of the TOEFL or IELTS requirement will be considered if the student is from an English-speaking country or has successfully completed 30 college credit hours at another U.S. institution. 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 can begin. The applicant must request official transcripts and have testing agencies send scores directly to ENMU. Transcripts from non-U.S. schools must be evaluated by a NACES (National Association of Credential Evaluation Services) recognized transcript evaluation agency before they will be considered for admission. Transcript evaluations must show the student's grade point average. A list of NACES members can be found at **naces.org/members.html**.

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 on-campus orientation prior to advising and registration. They must also present proof of insurance prior to registration each semester.

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

## Military Personnel

ENMU defines military personnel as active duty or veterans and 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).

## Credit for Military Service

Military credit is accepted as elective credit, and it is the decision of the individual colleges how the credit may be applied to degree requirements. If the American Council on Education Guide (ACE) 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. For these guidelines, see "Course Challenging" on Page 34.

See matrix on Page 11 for admission requirements, documents required and procedures.

## Ruidoso or Roswell Students

A Roswell or Ruidoso student may attend classes at ENMU-Portales as degree-seeking or non-degree seeking. A short intracampus application form is available at **enmu.edu/campuschange** and should be completed at least one week in advance of registration at the Portales campus.

See matrix on Page 12 for admission requirements, documents required and procedures.

## Second Degrees

ENMU defines second associate/bachelor's as a student who has already received an accredited associate/bachelor's degree either from ENMU or another accredited institution.

See matrix on Page 12 for admission requirements, documents required and procedures. Information about general academic requirements is available on Page 29.

## Non-Degree Seeking Students

ENMU defines a non-degree seeking student as a student who wants to take classes at ENMU-Portales but does not currently wish to pursue a degree. The University recognizes several types of non-degree seeking students.

1. **Non-degree Seeking Visiting Student**
   A student who is seeking a degree at another higher education institution and wants to take classes at Eastern must:
   a. Apply for admission online at **enmu.edu/apply.**
   b. Provide a college transcript or a letter of good standing from the last institution attended.

   **Note:** An applicant must be in good academic and disciplinary standing.
2. **Dual Enrollment for High School Credit**
   "Dual Credit Program" means a program that allows high school students to enroll in college-level courses offered by a college that may be academic or career technical but not remedial or developmental, and simultaneously to earn credit toward high school graduation and a postsecondary degree or certificate. Students must meet with secondary representatives to coordinate appropriate courses approved by both secondary and postsecondary institutions. These eligible courses are listed on a Master Agreement between secondary and postsecondary institutions located in the Office of Distance Education and Outreach (DEO). The students must fill out the Dual Credit Request Form, be approved by counselors/teachers and have an approved GPA. The ENMU Dual Credit Request Form is located at **enmu.edu/dualcredit**. Students' credentials are discussed by the DEO and high school before a student's admission into ENMU. Dual credit students are not required to pay for any tuition, fees or textbooks. More information may be obtained from Distance Education and Outreach at 575.562.2165.
3. **Concurrent Enrollment for High School Students**
   A high school student desiring to earn a college credit at ENMU while still enrolled in high school must:
   a. Apply for admission using the Concurrent Student Admission Form obtained by contacting the Office of Enrollment Services.
   b. Submit the permission form signed by a high school official and a parent or guardian to the Office of Enrollment Services.
   c. Submit the signed form to the Office of Enrollment Services to obtain a signature from an admissions official.

   **Note:** For additional information about Concurrent Enrollment, contact the Office of Enrollment Services at 575.562.2178.

## Important Information for Non-Degree Seeking Students

1. To become degree seeking, a student must re-apply for admission at the beginning of the semester.
2. Thirty (30) hours of non-degree seeking coursework may count toward a student's degree. (Exception is dual enrollment and concurrent enrollment for high school students.)
3. Non-degree seeking students may not receive financial aid from ENMU-Portales. However, the student may be eligible for financial aid at his or her home school under a consortium agreement.

See matrix on Page 13 for admission requirements, documents required and procedures.

## Admission Requirements and Procedures

| First-Time Freshman | | | |
|---|---|---|---|
| **Types of First-Time Freshmen** | **Description** | **Admission Requirements** | **Documents Submission** |
| **First-Time Freshman** | A student who has never taken college classes | Final high school grade point average 2.5<br>**or**<br>ACT 17<br>**or**<br>SAT 810 | Admission Application (paper or online)<br>Official (sealed) sixth semester high school transcript<br>ACT or SAT score report<br>Official (sealed) final high school transcript upon graduation receiving a high school diploma |
| **First-Time Freshman with hours** | A student who has taken college classes while in high school<br>**Note:** Official college transcripts are not required for admission, but will need to be provided for proper advising | Final high school grade point average 2.5<br>**or**<br>ACT 17<br>**or**<br>SAT 810 | Admission Application (paper or online)<br>Official (sealed) sixth semester high school transcript<br>ACT or SAT score report<br>Official (sealed) final high school transcript upon graduation receiving a high school diploma |
| **First-Time Freshman from a non-accredited home school or high school** | A student who has been home schooled (non-accredited)<br>**or**<br>a student who has graduated from a non-accredited high school | ACT 17<br>**or**<br>SAT 810<br>**and**<br>Completion of the General Educational Development (GED) test | Admission Application (paper or online)<br>Official (sealed) high school transcript receiving a high school diploma<br>ACT or SAT score report |
| **First-Time Freshman/GED** | A student under the age of 24 who has taken and passed the General Educational Development (GED) test | ACT 17<br>**or**<br>SAT 810 | Admission Application (paper or online)<br>GED certificate<br>ACT or SAT score report |
| **First-Time Freshman/ Certificate of Completion** | A student who has not met the requirements to receive a high school diploma but receives a Certificate of Completion<br>**Note:** Completion of the General Educational Development (GED) is not required for admission but strongly recommended in order to meet Ability to Benefit guidelines established for federal student aid | Final high school grade point average 2.5<br>**or**<br>ACT 17<br>**or**<br>SAT 810 | See types above for document submission |
| **First-Time Freshman undocumented student (New Mexico graduates only)** | A student who is a citizen of another country who lives in New Mexico, but is unable to work or receive federal funding for their studies because of their legal status in this country | Final high school grade point average 2.5<br>**or**<br>ACT 17<br>**or**<br>SAT 810 | Admission Application (paper or online)<br>Official (sealed) sixth semester high school transcript or GED certificate<br>ACT or SAT score report<br>Official (sealed) final high school transcript upon graduation receiving a high school diploma |
| **Note:** Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility. | | | |

## Adult Learner

| Types of Adult Learner | Description | Admission Requirements | Documents Submission |
|---|---|---|---|
| **Adult Learner (First-Time Freshman)** | A student who is 24 years of age or older<br>**and**<br>has never taken college classes | Final high school grade point average 2.5<br>ACT or SAT not required | Admission Application (paper or online)<br>Official (sealed) final high school transcript receiving a high school diploma |
| **Adult Learner (First-Time Freshman/GED)** | A student who is 24 years of age or older<br>**and**<br>has never taken college classes<br>**and**<br>has received a General Educational Development Certificate (GED) | GED Certificate<br>ACT or SAT not required | Admission Application (paper or online)<br>GED certificate |
| **Adult Learner (Transfer Freshman 29 hours or less)** | A student who is 24 years of age or older<br>**and**<br>has completed **29 hours or less of college credit** | 2.0 cumulative college GPA<br>**and**<br>final high school grade point average 2.5<br>ACT or SAT not required | Admission Application (paper or online)<br>Official (sealed) transcripts from all colleges attended<br>Official (sealed) final high school transcript receiving a high school diploma<br>**or**<br>GED certificate |
| **Adult Learner (From a non-accredited home school or high school)** | A student who is 24 years of age or older and has been home schooled (non-accredited)<br>**or**<br>a student who has graduated from a non-accredited high school. | Completion of the General Educational Development (GED) | Admission Application (paper or online) |
| **Adult Learner (Roswell/Ruidoso student 29 hours or less)** | A student who is 24 years of age or older<br>**and**<br>has completed **29 hours or less of college credi**t | 2.0 cumulative college GPA<br>**and**<br>final high school grade point average 2.5<br>ACT or SAT not required | Intra-Campus Application<br>Official (sealed) transcripts from all colleges attended.<br>Official (sealed) final high school transcript receiving a high school diploma<br>**or**<br>GED certificate |

**Note:** For the purpose of course placement, students may choose to take the ACT/SAT or arrange to take COMPASS placement testing through the Office of Disability Services and Testing.
**Note:** Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility.

## Transfers

| Types of Transfers | Description | Admission Requirements | Documents Submission |
|---|---|---|---|
| **Transfer Freshman 29 hours or less** | A student under the age of 24 who has completed **29 college credits or less** | 2.0 cumulative college GPA<br>**and**<br>final high school grade point average 2.5<br>**or**<br>ACT 17<br>**or**<br>SAT 810 | Admission Application (paper or online)<br>Official (sealed) transcripts from all colleges attended<br>Official (sealed) final high school transcript receiving a high school diploma<br>ACT or SAT score report |
| **Transfer Freshman/GED 29 hours or less** | A student under the age of 24 who has taken and passed the General Education Development (GED)<br>**and**<br>has completed **29 college credits or less** | 2.0 cumulative college GPA<br>**and**<br>ACT 17<br>**and**<br>SAT 810 | Admission Application (paper or online)<br>Official (sealed) transcripts from all colleges attended<br>ACT or SAT score report |
| **Transfer with 30 hours or more** | A student who has completed **30 college credits or more** | 2.0 cumulative college GPA | Admission Application (paper or online)<br>Official (sealed) transcripts from all colleges attended |
| **Transfer five years out** | A student who has **college credits and has been out of college for more than five years** | Will be conditionally admitted regardless of cumulative college GPA or Academic Standing | Admission Application (paper or online)<br>Official (sealed) transcripts from all colleges attended |

**Note:** Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility.

## Military

| Types of military | Description | Admission Requirements | Documents submission |
|---|---|---|---|
| **Degree Seeking** | A student who is currently on active duty military status seeking a degree | Military students may choose to take the ACT/SAT or arrange placement testing through the Advising Center | Admission Application (paper or online) |
| **Non-Degree Seeking** | A student who is currently on active duty military status taking courses for general knowledge | Military students may choose to take the ACT/SAT or arrange placement testing through the Advising Center | Admission Application (paper or online) |

**Note:** Military students are admitted with an Admission Application (paper or online). Official transcripts from all colleges attended are needed for proper advising and course placement.

## Roswell or Ruidoso Students

| Types of Roswell or Ruidoso | Description | Admission Requirements | Documents Submission |
|---|---|---|---|
| **Transfer Freshman under 29 hours or less** | A student under the age of 24 who has completed under 29 college credits or less | 2.0 cumulative college GPA<br>**and**<br>final high school grade point average 2.5<br>**or**<br>ACT 17<br>**or**<br>SAT 180 | Intra-Campus Application<br>Official (sealed) transcripts from all colleges attended<br>Official (sealed) final high school transcript receiving a high school diploma<br>ACT or SAT score report |
| **Transfer Freshman/GED under 29 hours or less** | A student under the age of 24 who has taken and passed the General Educational Development (GED)<br>**and**<br>has completed **29 college credits or less** | 2.0 cumulative college GPA<br>**and**<br>ACT 17<br>**or**<br>SAT 810 | Intra-Campus Application<br>Official (sealed) transcripts from all colleges attended<br>GED Certificate<br>ACT or SAT score report |
| **Transfer with over 30 hours** | A student who has completed **30 college credits or more** | 2.0 cumulative college GPA | Intra-Campus Application<br>Official (sealed) transcripts from all colleges attended |

**Note:** Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility.

## Second Degree Students

| Type | Description | Admission Requirements | Documents Submission |
|---|---|---|---|
| **Second Associate** | A student who has already received an accredited associate degree and is pursuing a second associate degree | 2.0 cumulative college GPA<br>**and**<br>official transcript indicating receipt of degree | Official (sealed) transcripts from all colleges attended<br>**Note:** If the student is an ENMU graduate, transcript(s) currently on file will be processed accordingly<br>If the student has taken coursework from another institution not on file, an official transcript will need to be submitted |
| **Second Bachelor's** | A student who has already received an accredited bachelor's degree and is pursuing a second bachelor's degree | 2.0 cumulative college GPA<br>**and**<br>official transcript indicating receipt of degree | Official (sealed) transcripts from all colleges attended<br>**Note:** If the student is an ENMU graduate, transcript(s) currently on file will be processed accordingly<br>If the student has taken coursework from another institution not on file, an official transcript will need to be submitted |

| Non-Degree Seeking Students | | | |
|---|---|---|---|
| **Types of Non-Degree** | **Description** | **Admission Requirements** | **Documents Submission** |
| **Non-degree Seeking/Visiting Student** | A student who is seeking a degree at another higher education institution and wants to take classes at Eastern | Status of good standing at the student's last college attended | Admission Application (paper or online)<br>Official (sealed) transcript from last college attended<br>**or**<br>Letter of good standing from last college attended |
| **Dual Enrollment** | High school students wanting to enroll in college-level courses offered by a college and used simultaneously to earn credit toward high school graduation and a postsecondary degree or certificate | Approval from a secondary representative | Dual Credit Request form<br>Appropriate signatures |
| **Concurrent Enrollment** | A high school student desiring to earn college credit at ENMU while still enrolled in high school | Approval from a secondary representative | Concurrent Student Admissions form<br>Appropriate signatures |

# Admission Decisions

## Types of Admission

**Conditional Admission.** A degree seeking student who does not meet the admission requirements for regular admission may be granted conditional admission after an individual assessment of his/her records. The conditional admit will receive a Conditional Admittance and Plan for Academic Improvement form outlining the terms of the admission. The form needs to be returned to the address listed on the form before registration in classes.

**Incomplete Agreement Admission.** A degree seeking student who meets admission requirements but is unable to obtain all necessary official documents due to extenuating circumstances and after speaking with an Enrollment Services representative may submit unofficial copies for review. After a complete review of the submitted documents, if approved, an Incomplete Student Agreement form will be provided to the student for completion. Once the completed Incomplete Student Agreement form is returned to the Office of Enrollment Services, an admission decision will be made. The student will have 45 days to provide the official copies of missing documentation. Students will be denied further registration until the official documentation is received by ENMU.

**Regular Admission.** A student who meets the admission requirements and provides all necessary documentation. The student may or may not be degree seeking.

**Transfer with in-progress coursework.** A degree seeking student who is transferring from another college/university who meets standard admission requirements and has coursework in progress during the application semester will be admitted. An additional official transcript will need to be provided for the courses that were in progress at the time of admission. A student will be denied further registration until the official documentation is received by ENMU.

# Family Education Rights and Privacy Act (FERPA)

The Family Education Rights and Privacy Act provides eligible students with certain rights with respect to their education records. Education records mean those records that are directly related to a student and maintained by ENMU or by a party acting for ENMU, with some exceptions. Eligible students in attendance at ENMU include students attending in person and those attending by other means, such as by FERPA language, videoconference, satellite and Internet.

For additional information about rights as a student under FERPA, please see:

1. ENMU's Annual Notice to Students Regarding FERPA Rights, and
2. ENMU's Notice Designating Directory Information under FERPA.

These notices can be accessed by students at **enmu.edu/FERPA**.

Students may also contact the Office of the Registrar for additional information regarding their rights under FERPA.

Office of the Registrar
ENMU Station 5
1500 S Ave K
Portales, NM 88130

Phone: 575.562.2175
Fax: 575.562.2566
Email: registrar.office@enmu.edu

# ENMU Qualifying New Mexico General Education Core Courses

## Transferring Courses to Fulfill the New Mexico General Education Common Core

During the 2005 New Mexico Legislative session, Senate Bill 161, consistent with requirements of state law (Chapter 224 of the Laws of New Mexico, 1995 as amended) was signed into law to further enhance and facilitate the articulation of general education courses among New Mexico's colleges and universities. In accordance with policies established by the New Mexico Higher Education Department, designated general education core courses successfully completed at any regionally accredited public institution of higher education in New Mexico are guaranteed to transfer to any New Mexico public institution. Students who have decided on a major and/or an institution at which to complete their studies should consult with an academic advisor at that particular institution to determine the most appropriate course selections. Students enrolling for the first year of study at a New Mexico college or university and considering possible transfer into a certificate and/or degree program at another institution are encouraged to take the courses approved for transfer during their freshman and sophomore year of study.

The core matrix of approved courses guaranteed to transfer and meet general education requirements at any New Mexico college or university can be found on the New Mexico Higher Education Department website at **hed.state.nm.us**. Follow the "Institutions" link to the "Curriculum" drop down menu and select "General Ed Core Course Transfer Curriculum." Courses are listed by institution, whether university or community college, under each of the five general education areas. The approved courses for Eastern New Mexico University are listed in the associate and bachelor's general education requirements on Pages 41-42, with their equivalent New Mexico Common Course Number (NMCCNS) if applicable. The NMCCNS's can be found immediately following the applicable course description in the back of this catalog.

## 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 coursework 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. To review New Mexico modules, see **hed.state.nm.us**.

## 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 coursework 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 coursework may not transfer toward General Education Requirements but in most cases will apply toward elective requirements.

### General Education Common Core

| | | | |
|---|---|---|---|
| **Area I: Communications (select 9 semester hours)** | | | |
| | a) | College-Level English Composition | 3-4 hours |
| | b) | College-Level Writing (a second course building on the above) | 3 hours |
| | c) | Public Speaking | 3 hours |
| **Area II: Mathematics (select 3 semester hours)** | | | |
| | a) | College Algebra or higher | 3 hours |
| | b) | Liberal Arts Mathematics | 3 hours |
| | c) | Statistics | 3 hours |
| **Area III: Laboratory Science (select 8 semester hours)** | | | |
| | a) | Astronomy, with laboratory | 4-8 hours |
| | b) | General Biology, with laboratory | 4-8 hours |
| | c) | General Chemistry, with laboratory | 4-8 hours |
| | d) | General Physics, with laboratory | 4-8 hours |
| | e) | Geology/Earth Science, with laboratory | 4-8 hours |
| **Area IV: Social/Behavioral Sciences (select 6-9 semester hours)** | | | |
| | a) | Economics (macroeconomics or 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 semester hours)** | | | |
| | a) | Introductory History Survey | 3 hours |
| | b) | Introductory Philosophy | 3 hours |
| | c) | Introductory Course in History, Theory, or Aesthetics of the Arts or Literature | 3 hours |
| | d) | Language, Literature or Humanities | 3 hours |
| **Total to be selected** | | | **35 semester hours** |

**Note:** A total of 15 hours is required for Areas IV and V.

## 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 64-hour 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.

Transfer modules may be obtained electronically from the New Mexico Higher Education Department website (**hed.state.nm.us**).

## 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 coursework 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. If the student is denied and wishes to continue the appeal, the student may appeal to the dean of the college. If the issue is not resolved at the University, students may appeal to the New Mexico Higher Education Department, 2048 Galisteo Street, Santa Fe, NM 87502-2100; phone 505.476.8400, **hed.state.nm.us**.

# Tuition and Fees

## Residency Definition for Tuition Purposes

Resident or nonresident status is determined in accordance to a uniform definition established for all New Mexico institutions by the Higher Education Department, state of New Mexico. Petitions for changes in residency status will be collected prior to the semester for which the petition applies. The latest date a petition, along with all completed documents and verifications, can be accepted is the second Friday 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).

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 the fall or spring semesters. If enrolled for more than six hours, students will pay out-of-state rates for all hours in which enrolled.

Further information may be obtained from the Office of Student Accounts (Administration Building, Room 114).

### Tuition and Fees

Tuition is a charge that helps 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 for all students, regardless of course delivery.

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 tuition and 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 make an initial payment of one-fourth of the total charges, with the balance payable in three equal monthly installments. An installment payment plan fee of $10 will be assessed. Payment plans may be set up and payments may be made online at **enmu.edu/onlinepayments**. Student registration is not complete and enrollment is not official until payment or payment arrangements are made.

**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 (**enmu.edu/fees**), in Office of Enrollment Services' publications or by calling 800.367.3668, ext. 5.

## 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. **It is the student's responsibility to make sure his/her contact information is correct in our system. The University is not responsible for cancellation of a student's registration due to communication problems.**

### Tuition Reduction

A student may be eligible for a senior citizen discount if he/she is 65 or older and a New Mexico resident. Students are required to:

- Request the reduction in tuition
- Demonstrate evidence they have met the age requirement
- Be a resident in New Mexico according to existing criteria for residency set by the University
- Enroll for six credit hours or fewer during the semester of enrollment
- Meet all course prerequisites
- Pay for any course fees, including extraordinary course fees in continuing education programs

The cost per credit hour for one to six hours will be $5. If enrolled for more than six hours, students will pay regular price for all hours in which enrolled.

### Refund Schedule

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:

- Refund of 100% through day 5
- Refund of 90% through day 10
- Refund of 50% through day 15
- Refund of 25% through day 20

Specific dates are published each semester in the class schedule.

### Tuition Refund Appeals Procedure

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 for Business Affairs will make the decision to approve or deny the appeal.

### Room and Board Rates

Room rates are set each year and are in place for the contract year of fall and spring semesters for traditional halls. Apartments have the option of 10- or 12-month leases. Summer residency can also be arranged in traditional halls, if space is available. The requirements to live in campus-owned residences is noted in the Campus Residency Policy, see Page 25.

Board rates are set each year and are in place for the contract year of fall and spring semesters. ENMU sponsors a Carte Blanche and Carte Blanche Platinum meal plans that offers students unlimited meals at the Campus Union (CUB) dining room from 7:30 a.m. to 7:30 p.m. during the week and limited hours on weekends. Four other venues, located in the Education Building, Jack Williamson Liberal Arts Building, the Golden Library and the Campus Union offer a variety of beverages and snacks for students on-the-go. In addition, a commuter meal plan is offered. Meal plans are not active during vacation periods such as Thanksgiving, fall break, winter break, spring break and some of the days the University is not in session. 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 at **enmu.edu/housing**.

### 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

Accounts that remain unpaid at the end of each semester may be placed with a collection agency. Collection fees will be added to the account, for which the student will be responsible. If ENMU obtains judgment from a court of competent jurisdiction, the debtor shall also be liable for the court costs and attorney fees. Failure to receive notification of indebtedness from ENMU does not relieve the student of financial responsibility.

## Payment Information

ENMU offers an online student account management/payment system that can be accessed at **enmu.edu/onlinepayments**.

From this system you can:
- Make payments
- Enroll in a payment plan
- Set up direct deposit of your refund checks
- View your current account activity
- View and print billing statements

Payments can also be made:
- At the Cashier Office in the Administration Building foyer
- By calling the Cashier at 575.562.2619 or 575.562.2620
- By mail to: ENMU Cashier, Station 4, 1500 S Ave K, Portales, NM 88130

Third-party payments are accepted. The Office of Student Accounts must have billing information each semester by the payment deadline.

Any questions regarding student accounts, payments or billing should be referred to the Office of Student Accounts at 575.562.2615.

## Course Fees

| | | |
|---|---|---|
| AG | 101, 102, 250, 325, 331, 450 | $10 |
| AG | 348, 349, 350, 351, 433 | $20 |
| AG | 221 | $25 |
| AG | 421 | $30 |
| AG | 275, 280, 300 | $50 |
| AG | 231, 315 | $75 |
| ALC | 102, 104, 202, 204, 210, 212, 290, 293 | $30 |
| ANTH | 245L | $10 |
| ANTH | 125L | $20 |
| ANTH | 522, 597, 599 | $25 |
| ANTH | 482, 583 | $400 |
| ART | 364, 367 | $40 |
| ART | 271, 318 | $70 |
| ART | 101, 135, 136, 137, 142, 143, 231, 312, 316, 324 | $90 |
| ART | 210, 212, 213, 221, 222, 241, 293, 306, 307,314, 326, 340, 406,417, 419, 423, 482, 493 | $100 |
| BIOL | 300L, 303L, 411L, 433L, 510L, 511L, 524L, 531L, 533L, 536L, 542L | $10 |
| BIOL | 301L, 341L, 525L | $15 |
| BIOL | 209L, 210L | $18 |
| BIOL | 125L, 424L | $20 |
| BIOL | 154L, 155L, 216L, 307L, 425L, 431L, 436L, 442L | $25 |
| BIOL | 409L, 422L, 509L, 522L | $30 |
| BIOL | 214L | $32 |
| BIOL | 410L, 420L | $35 |
| BIOL | 304L | $40 |
| BIOL | 306L | $62 |
| CA | 225, 330, 375, 425, 450, 455 | $50 |
| CA | 120, 125, 204, 220, 325, 327, 410, 470 | $150 |
| CDIS | 446 | $25 |
| CDIS | One-time Program Admission Fee (Non-refundable) | $50 |
| CDIS | 445, 501, 502, 503, 505, 589 | $100 |
| CHEM | 233L | $15 |
| CHEM | 113L, 125L, 151L, 152L | $20 |
| CHEM | 321L, 341L, 342L, 450L, 550L | $25 |
| CHEM | 401L, 505L | $30 |
| COMM | 110, 205, 212, 220, 260, 302, 303, 304, 327, 344 A-D, 360 A-C, 401, 402, 410, 412, 420, 422, 460 | $15 |
| DFM | 105, 110, 293, 312, 313, 314, 320, 350, 360, 375, 376, 475, 476, 480, 493 | $25 |
| ECE | 239L, 240L | $10 |
| ECE | 485 | $20 |
| ECE | 487 | $100 |
| ECE | 487, Out-of-Area Student Teacher Supervision | $500 |
| EDF | 222 | $110 |
| EET | 110L, 131, 210L, 237L, 241L, 242L, 302L, 310L, 337L, 340L, 342, 357L, 402L, 437L, 441L, 450L, 457L, 472L | $25 |
| ELED | 535, 537 | $20 |
| ELED | 460, 523 | $100 |
| ELED | 523 Out-of-Area Induction to Teaching | $250 |
| ELED | 524 Out-of-Area On-the-Job Internship Supervision | $250 |
| ELED | 460 Out-of-Area Student Teacher Supervision | $500 |
| FCS | 304L | $25 |
| FCS | 213L, 323, 335L | $50 |
| FR | 101, 102 | $30 |
| HPE | 221 | $15 |
| HPE | 220 | $25 |
| IS | 151, 241, 281, 315, 343, 420, 430, 435, 440, 460 | $10 |
| MUED | 372 | $25 |
| MUS | 211, 241, 242, 258, 270, 341, 342, 362, 381, 382, 458, 470 | $25 |
| MUS | 293, 493 | $50 |
| MUS | Private lessons/per hour | $50 |
| SED | 450, 460, 597 | $100 |
| SED | 597 Out of Area On-the-Job Internship | $250 |
| SED | 450, 460 Out-of-Area Student Teacher Supervision | $500 |
| SPAN | 101, 102, 201, 202 | $30 |
| SPED | 445, 547 | $100 |
| SPED | 447 Out-of-Area On-the-Job Internship Supervision | $250 |
| SPED | 445 Out-of-Area Student Teaching | $500 |
| SPED | 203 | $110 |
| THTR | 268, 293, 468, 493 | $40 |

All Online Courses ..... $10/per credit hour

## Special Fees

| | |
|---|---|
| **Dishonored Check Handling** | $30 |
| **Examination for Course Challenging** | $15 per credit hour |
| **Graduation:** | |
| Each Degree (diploma fee, certificate fee, nonrefundable) | $30 |
| Graduation Application Late Fee | $50 |
| Replacement Diploma | $15 |
| Replacement Diploma Cover | $10 |
| Bindery (master's thesis, projects, etc., per copy) | $15 |
| **ID Card:** | |
| New | $25 |
| Replacement ID | $10 |
| **Installment Payment Plan** | $10 |
| **Orientation:** | |
| New Students Under 30 Hours | $95 |
| Transfer Students Enrolled Up to Six Hours | $35 |
| Transfer Students Enrolled Over Six Hours | $60 |
| **Reinstatement:** | |
| Late Fee for Not Paying Registration on Time | $50 |

**All fees are subject to change.**

# Financial Aid

## Financial Aid

The U.S. Department of Education Federal Student Aid programs and the state of New Mexico provide scholarships, grants, loans and work-study employment assistance to qualifying students. Federal and state aid can help cover expenses such as tuition and fees, room and board, books and supplies, personal expenses and transportation. Go to **studentaid.gov** or **hed.state.nm.us** for more information on these programs.

- The Free Application for Federal Student Aid (FAFSA) should be completed annually as soon as federal income taxes are filed at **fafsa.ed.gov**
- Verification processing must be finished before federal student aid will be awarded
- The FAFSA academic aid year at ENMU is fall, spring and summer

## Sources of Financial Aid

**Merit Based Aid**–Based on academic achievement or performance, usually a scholarship.

**Need Based Aid**–Awarded to students who can show need according to a formula. The three types of need-based aid are:

1. **Grants**–aid that does not have to be paid back. Examples of grants available at ENMU are Pell Grants, SEOG and NMSIG.
2. **Loans**–aid that is borrowed and has to be paid back over a period of time, usually after a student leaves school or is enrolled less than half-time.
3. **Work-Study**–aid that a student earns by working part-time.

Information concerning types of aid and eligibility criteria can be found at **enmu.edu/financialaid** or by contacting the Office of Financial Aid at 575.562.2194.

## How To Apply

Students applying for financial aid should complete a Free Application for Federal Student Aid (FAFSA). The FAFSA is designed to determine, in accordance with state and federal guidelines, the difference between what students or their families are expected to contribute and the cost of attending ENMU. A current FAFSA must be on file at the Office of Financial Aid for any type of federal or state student aid including work-study and loans. Students should complete the FAFSA online at **fafsa.gov**. To be reviewed for financial aid at ENMU, students must list Eastern New Mexico University as a school of interest. ENMU's school code is 002651.

## When To Apply

Since some financial aid funds are limited, students should complete a FAFSA as soon as possible each year. Although FAFSA forms become available Jan. 1, current financial information should be used including data from completed IRS tax returns.

## Financial Aid Award Process

1. Complete the FAFSA.
2. Receive a Student Aid Report (SAR) by mail or email. ENMU will receive the same information and request additional information from the student if necessary.
3. Receive an ENMU Financial Aid and Scholarship Notification listing awards and amounts, sent by mail and ENMU email.
4. Additional steps are required if students wish to accept and borrow loans.
5. Aid is applied to student's account.

## Verification

The verification process confirms that reported FAFSA information matches tax return transcripts and other documents. Such documentation may include copies of the most recent IRS income tax return transcript for students, and/or spouse or parents of students. Proof of citizenship, copies of Social Security benefit statements and W-2 forms may also be requested along with other required documents.

FAFSA applications are selected for verification by the Federal Processor. The Office of Financial Aid will contact students who are selected for verification via mail and email once the college is notified by the Department of Education. FAFSA processing will be postponed until the required information and/or forms are provided.

Verified FAFSAs will be processed in date order. Documentation is logged as it is received, so time sensitive funds can be awarded accordingly. Once documentation is reviewed and all data match, the FAFSA will be released for the next awarding cycle. If corrections are necessary, the Office of Financial Aid will submit them electronically to the Federal Processor. Once confirmation is received that the changes were accepted, the FAFSA will be released for the next awarding cycle.

## Awards

Once the FAFSA file is complete, aid will be awarded based on the following:

1. Estimated Cost of Attendance
2. Expected Family Contribution (EFC)
3. Other Financial Assistance (Resources)
4. Financial Need
5. Availability of Funds

### Estimated Cost of Attendance

These components are used to determine the estimated cost of attendance:

- Tuition and Fees
- Room and Board
- Books and Supplies
- Personal and Miscellaneous Expenses
- Transportation

The estimated cost of attendance is not the actual cost to attend ENMU. Please contact the Office of Student Accounts for ENMU's actual cost of attendance.

### Expected Family Contribution (EFC)

One of the principles behind need-based aid is that students and their families should pay what they can afford for educational expenses. A standard formula is used to calculate a student's Expected Family Contribution based on information submitted through the FAFSA. The federal funding formula takes into consideration family size, number of household members who are attending college at least half time (excluding parents), family income and assets.

### Other Financial Assistance (Resources)

Other financial assistance refers to any outside scholarships, tuition waivers, stipends, state or federal program awards (including WIA or DVR), participation awards or grants or assistance received by the student other than federal or state financial aid. These amounts are required by law to be included as financial aid resources for the academic aid year even if they are not paid through the ENMU Office of Financial Aid. Failure to notify ENMU about these resources could jeopardize your financial aid awards and

lead to adjustments in the amount of aid you receive. To report additional resources please email the the Office of Financial Aid at financial.aid@enmu.edu or 575.562.2194 or 800.367.3668.

### Need Calculation

Financial need is the difference between student's estimated cost of attendance and the amount his/her family is expected to contribute:

Estimated Cost of Attendance
(-) Expected Family Contribution
(-) Resources
Need Based Aid Eligibility

### Availability of Funds

Some funds are limited so they are awarded to students whose FAFSAs are completed first. New FAFSAs and those which go through the verification process are tracked to ensure they go through the award cycle in order.

Many financial aid awards are based on the financial need resulting from the costs of the academic year. Therefore, awards for the aid year will be split evenly between the fall and spring semesters. Outside scholarships are also applied this way unless the donor stipulates otherwise.

- Summer financial aid is available to students who have eligibility remaining for the academic aid year which was not used in the fall and spring semesters.
- Students who plan to leave ENMU during the academic year should advise the Office of Financial Aid in writing as soon as possible so any future term's aid may be cancelled.
- Students entering ENMU in the spring or summer term should notify the Office of Financial Aid about awards already received at another school within the same academic aid year.
- Fall/spring awards are made to students who are admitted to ENMU. Summer awards are made to students who are admitted and registered for classes.
- Students may view their financial aid awards and eligibility status online: Go to **my.enmu.edu** and under the "Financial Resources" menu, choose "Financial Aid Status."

Please remember all financial aid offers are based on information provided by students, and/or spouses and parents of students, availability of funds and eligibility requirements. Any award may be revised based on changes in enrollment, cost of attendance, family contribution or failure to meet satisfactory academic progress. Withdrawals or reductions in enrollment may affect an award or any future awards. Financial aid will not pay for audited courses or some repeats. Offers are subject to revision due to changes in policy, law, regulations, additional resources, calculation or funding.

## Eligibility Requirements

- Students must be fully admitted into a degree seeking program and meeting the Satisfactory Academic Progress (SAP) requirements of their degree program to receive federal student aid funds.
- Students must have a FAFSA and be enrolled before their SAP status will be updated for a new term.
- Students must agree annually to the ENMU terms and conditions via **MyENMU.**
- Students must be registered for summer courses before remaining aid eligibility will be reviewed.
- There are maximum eligibility limits for some federal student aid funds. Students will not be awarded in excess of any federal limitations. Students can view their financial aid history at **nslds.ed.gov.**
- Federal student aid will pay **one time** for students to repeat a previously passed course. Grades of "A," "B," "C," "D," "S" and "CRE" are considered passing whether that is the grade required by the degree program or not.

## Required Enrollment

- Grant awards are made based on full-time enrollment (12 credit hours) while some grant disbursements are based on the actual number of credit hours enrolled and will be prorated for students who are enrolled part-time (less than 12 credit hours).
- Student loans require a minimum half-time enrollment, six credit hours for undergraduates, five credit hours for graduates.
- Students classified as graduates or levelers must be taking at least six hours of coursework toward their program of study.
- Student attendance will be reported by faculty at the end of the drop/add period. If reported enrollment is less than full time, federal financial aid awards will be recalculated.

## Student Loans

Students will be offered federal Direct Loans based on financial need, dependency status and grade classification. Undergraduates may be offered subsidized or unsubsidized Direct Loans while graduates are only eligible to receive unsubsidized Direct Loan offers. ENMU suggests students use subsidized loan funds first as the U.S. Department of Education pays the interest on these loans under certain conditions. More information is available at **studentaid.gov**.

Beginning July 1, students may accept the amount they would like to borrow for the academic aid year. Students are also required to complete an annual entrance counseling session online.

Federal Direct Loan funds will be paid in two disbursements. Students who borrow for the fall/spring academic aid year will receive their first disbursement at the end of the fall semester's 16-week drop/add period and their second disbursement at the end of the spring semester's 16-week drop/add period. Students who borrow for only one semester, such as fall graduates or students who enter ENMU or begin a new ENMU degree program in the spring term, will receive their first disbursement at the end of the semester's 16-week drop/add period and their second disbursement at the end of the semester's 8-week drop/add period. First-time ENMU borrowers will receive their first disbursement 30 days following the beginning of their first semester.

ENMU encourages frugal borrowing practices when considering a loan of any type. Students and/or parents should borrow only what is necessary to cover actual educational expenses.

## Scholarship Continuation

- Students should review their award letters for scholarship continuation criteria. These criteria should be considered before making any changes to enrollment.
- Continuing ENMU scholarships will be reviewed after grades post at the end of each semester.
- Transfer students should provide any required forms and/or transcripts from their prior school if they have scholarships which will continue at ENMU.

## Student Action

- Transfer students must have all transcripts from all prior institutions to the Office of Enrollment Services before their file will be released to financial aid for awarding.
- Students should register for all classes as early as possible so that financial aid awards will be accurate and made in a timely manner. Summer aid review requires students to be registered.
- Students should monitor ENMU email for correspondence from the Office of Financial Aid. Respond to any requests quickly so there will be plenty of time to process required items.

## Notification

As soon as the FAFSA is processed by ENMU, a financial aid and scholarship notification will be mailed to the student's current address and ENMU email. Any time awards are increased, decreased, canceled or new awards added, students will receive a new notification. Students should compare any new notification to the previous one so they understand changes. Registered students should be able to view their awards by logging into **MyENMU Portal**.

## Aid Disbursement

At the end of the drop/add period each semester, ENMU will automatically transfer student's financial aid and scholarship awards to pay allowable institutional expenses for courses the student is attending. Allowable institutional costs may include: tuition, student fees, on-campus room and board. Student may also authorize their aid to pay a portion of non-institutional charges for the current or prior year's expenses.

Any aid received in excess of posted, allowable institutional costs will be refunded to students in the form of a check or direct deposit from the Office of Student Accounts approximately 10 days after the beginning of each semester. If financial aid and scholarship awards will not cover the entire semester's expenses, students are liable for the balance.

## Returning Title IV Federal Student Aid (R2T4)

Title IV Federal Student Aid funds are awarded under the assumption students will attend classes for the entire period for which the aid is awarded. When students completely withdraw, officially or unofficially, they may no longer be eligible to receive the full amount of Title IV aid originally awarded. Academically related attendance activities are recorded by physically attending classes, taking exams, submitting required assignments, attending school assigned study groups, etc.

When students who begin the academic period do not complete at least 60 percent of the period, a recalculation must occur to show the percentage of aid which was earned. This percentage is derived by dividing the number of days students attended by the number of days in the period.

If the amount of aid disbursed to students is greater than the amount of aid students earned, any unearned funds must be returned to the appropriate aid program. If the amount disbursed to students is less than the amount students earned, and for which he/she is otherwise eligible, any earned funds may be made available to students as a post-withdrawal disbursement.

Students who receive all F's for the semester will be unofficially withdrawn.

Unearned funds will be returned to the U.S. Department of Education in this order:

- Unsubsidized Stafford Loan
- Subsidized Stafford Loan
- Perkins Loan
- Graduate PLUS Loan
- PLUS Loan
- Pell Grant
- SEOG Grant
- TEACH Grant
- Iraq and Afghanistan Service Grant

Students withdrawing from classes are liable for any balance due to ENMU after the return of federal student aid funds.

ENMU's R2T4 policy can be found at **enmu.edu**, or by contacting the Office of Financial Aid at 575.562.2194.

## Satisfactory Academic Progress (SAP) Requirements

Satisfactory academic progress (SAP) standards are measured at the end of each semester to ensure students receiving Title IV federal student aid funds–Grants, Workstudy, Direct, PLUS and Perkins Loans–are meeting both quantitative (pace of completion) and qualitative (grade) requirements:

1. Completion Rate–Attempted hours should be completed
2. GPA–Grades earned should be sufficient to apply to degree or certificate plan
3. Maximum Time Frame–Degree program must be completed in a timely manner

Following is the policy used by Eastern New Mexico University in compliance with federal regulations to determine students are meeting SAP and should be considered to receive federal student aid:

| Degree | ENMU Completion Rate | ENMU GPA | Overall Maximum Time Frame |
|---|---|---|---|
| 2-Year Certificate | 67% | 2.0 | 56 attempted hours |
| Associate | 67% | 2.0 | 106 attempted hours |
| Bachelor's | 67% | 2.0 | 196 attempted hours |
| Second Bachelor's | 67% | 2.5 | 196 attempted hours |
| Graduate Certificate | 67% | 3.0 | 30 attempted hours |
| Preparatory Leveling | 100% | 3.0 | 1 calendar year |
| Master's | 67% | 3.0 | 70 attempted hours |
| Second Master's | 67% | 3.0 | 70 attempted hours |

## Cumulative Completion Rate

The percentage of work a student has successfully completed at all post-secondary institutions. All attendance including remedial coursework, repeated coursework and periods when students did not receive federal student aid are counted in the total hours attempted and other SAP rules.

$$\text{Completion Rate} = \frac{\text{Cumulative Hours Passed}}{\text{Cumulative Hours Attempted}}$$

Example: $\frac{60 \text{ Passed}}{74 \text{ Attempted}} = 81\%$

## Cumulative Grade Point Average (GPA)

Cumulative grade point average earned on coursework at all post-secondary institutions.

## Maximum Time Frame

Maximum time frame is calculated as 150 percent of the hours necessary to complete the degree program and includes all hours attempted at all post-secondary institutions. Federal student aid eligibility expires once it becomes mathematically impossible for a student to complete their degree plan within the maximum time frame for their degree program. Students with successful progressive history may request extension by following the procedure for reinstatement of financial aid and submitting an academic success action plan in conjunction with a current degree plan checklist. Students granted an extension must complete all attempted hours with the GPA required by their program–no exceptions. Students pursuing a second bachelor's or second or subsequent master's may receive an extension in the case of extreme mitigating circumstances which should be thoroughly explained and documented.

## Graduate Certificate

Graduate certificate applies to students who already have a bachelor's degree from a field other than Education and wish to obtain a New Mexico teaching license.

## Grade Calculation and Completion

Grades of "F," "I," "U" and "W" are considered unsuccessful completion of the course and count against completion rate and maximum time frame calculations. Grade of "S" will count as work completed and will be counted as successful completion of the course. Since no grade point is given for the grade, it is not calculated into the GPA. Successful completion of the term is defined as completion of all attempted hours with grades sufficient to satisfy the degree plan checklist. Federal student aid funds may be awarded once for a previously passed course.

## ENMU Financial Aid SAP Status

Once grades are posted at the end of each semester, financial aid SAP status will be updated for the next term for those students who are registered and have a current FAFSA. Students will be assigned a new status based on the semester's results.

### SAP Status

| Academic Progress | Status | Result |
|---|---|---|
| Meeting Completion Rate and GPA | Eligible–Meeting SAP Policy | Eligible |
| First Failure Completion Rate and/or GPA | Warning–Meet SAP by Next Term | One Semester Provisional Eligibility |
| Second Failure Completion Rate and/or GPA | Ineligible–Rate/ GPA | Not Eligible |
| May Exceed Maximum Time Frame | Ineligible–May Exceed Max Time | Not Eligible |
| Exceed Maximum Time Frame | Ineligible–Over Max Time Limit | Not Eligible |
| Approved Petition/ Academic Plan | Probation/Follow Plan | One Semester Provisional Eligibility |

Students may review their financial aid academic progress online by accessing their **MyENMU** account and following links to the financial aid area. Students with provisional eligibility–students should not waste this opportunity to make successful progress. Denied status means the student will lose federal student aid funding eligibility and have to pay for classes until SAP requirements are met.

## Reinstatement

The Scholarship and Financial Aid Committee will review written requests for reinstatement from students who have extreme mitigating circumstances which prevented them from complying with the ENMU SAP policy. Mitigating circumstances are defined as unanticipated and unavoidable events beyond a student's control. Petitions for reinstatement will not be accepted beyond the ninth week of each semester. Contact the Office of Financial Aid at 575.562.2194 for more information.

## Academic Standing

Academic progress maintained by the Office of Financial Aid is not the same as academic standing which is maintained by the Office of the Registrar. Students must be academically eligible and registered at ENMU before written requests concerning academic progress will be reviewed.

# Student Services and Activities

## Business Affairs

The Office of Business Affairs 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 Post Office, Physical Plant, ENMU Police Department and Human Resources are also administered through this office. The Office of Business Affairs is located in the Administration Building (ADM), Room 118, 575.562.2611.

## 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, support and student staff contribute to this student development program. The primary focus of the Student Affairs staff is to establish for students an environment that enhances personal growth and development. The Office of Student Affairs is located in the Student Academic Services Building (SAS), Room 194, 575.562.2221.

## Counseling and Career Services

The Office of Counseling and Career Services (CCS) provides free personal and career choice and placement services to all enrolled students. Licensed professional counselors help students address personal problems on a short-term basis and refer students who may require long-term counseling or treatment to local agencies. Career counseling services include career evaluation and placement assistance. Students can find part-time on- and off-campus job openings at the Career Employment Opportunities link on the CCS website. Absence reports are processed through CCS. (Contact CCS so that instructors can be notified of an emergency absence.) The Office of Counseling and Career Services is located in the Student Academic Services Building (SAS), Room 232, 575.562.2211.

## Tutoring Services

Tutoring is available in many disciplines such as math, science, English and business, free of charge. Students have access to one-on-one tutoring sessions on a drop-in basis or by appointment. Tutoring is also available in the evenings, on weekends and online. Tutoring is located in the Student Success Center (The Alley) in the Campus Union basement, 575.562.2286.

## Disabilities Services and Testing

The Office of Disability Services and Testing (DSO) helps students make a smooth and successful transition to collegiate life. The office offers a variety of accommodations based on the individual's documentation of a disability. These may include taped textbooks, examination accommodations, note taking and other services. Orientation for services, programs and mobility are available in addition to adaptive equipment such as a text enlarger, reading software and dictation software. This office coordinates with the Commission for the Blind, Vocational Rehabilitation and other agencies. The DSO is located in the Student Academic Services Building (SAS), Room 186, 575.562.2280.

## Testing Center

The Testing Center coordinates computer-based COMPASS placement exams, CLEP, DSST and Miller Analogy tests and paper-based Law School Admission tests (LSAT), ACT, SAT, Graduate Records (GRE) Subject and Praxis Series. Information about national standardized tests is available in the Testing Center located in the Student Academic Building (SAS), Room 186, 575.562.2280.

## Multicultural Affairs Programs

Multicultural Affairs is the home of the offices of African-American Affairs, Hispanic Affairs, International Affairs and Native American Affairs. The Office of Multicultural Affairs promotes academic success, retention, graduation and the celebration of the ENMU community's diverse cultural heritage. The office is located in "The Alley" in the Campus Union (CUB) basement. Information is also available online at **enmu.edu/multicultural** or by calling 575.562.4914.

## 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 eligible students in pursuing a postsecondary education.

Educational Talent Search offers counseling and assistance in educational opportunities, admission requirements and financial aid to 6th through 12th-grade students. Educational Talent Search is located in Quay Hall, Room 117B, 575.562.2447.

Upward Bound is a college-based program of rigorous academic instruction, individual tutoring and counseling for eligible high school students (9th-12th grade), most of whom are the first generation of their families to consider post-secondary education. Upward Bound is located in Quay Hall, Room 214, 575.562.2452, or email **upward.bound@enmu.edu**

Student Support Services assists students already enrolled, or accepted for enrollment, through counseling, tutorial and other educational services. This program helps remedy academic deficiencies, provides career guidance and placement and encourages 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" in the Campus Union basement, 575.562.2455.

## 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 environment is conducive to student success. Three basic types of student living environments are available:

1. Double occupancy rooms
2. Suites and conjoined suites
3. University apartments ranging from one to four bedrooms

All students residing in the halls are required to have an approved meal plan for residents. Students living in residence halls sign a room and board contract for an academic year. Preferences of residence hall, room and roommates are honored when possible. Private rooms are not guaranteed to any student. Apartments are available for students, including married students and those with families, with priority given to order of application.

Room and board rates and other information may be obtained from the Office of Housing and Residence Life located in the Campus Union, 575.562.2632, or from the website at enmu.edu/housing. For questions about facilities or becoming a Housing and Residence Life staff member contact the housing office at 575.562.5632.

## Campus Residency Policy

ENMU is committed to the education of the whole student. Students' living arrangements are one of the key factors in a 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 experience. Although living on campus does not guarantee success, ENMU believes it does remove some of the barriers. The residential experience also provides the opportunity to learn the rights and responsibilities that accompany participation in a community of learners.

Therefore, all students who have earned fewer than 30 semester hours after high school graduation or who have been in attendance fewer than two semesters; who are under 21 years of age on the first day of class fall semester; and who are enrolled in 12 or more semester hours must live in the University residence halls and purchase a meal plan.

Exemptions to the residential requirement may be granted to students living with parents, who are married and/or have dependent children. Meal plan waivers may be granted to students with medical needs. All exemptions to the University residence and meal plan requirements must be documented and be approved by the Office of Housing and Residence Life. Any student who is required to live on campus and is enrolled in 12 or more hours will be held financially responsible for room and board fees unless an approved waiver is on file with the Office of Housing and Residence Life. In no case should arrangements be made to live off-campus until approval from the Office of Housing and Residence Life has been issued.

Students must seek approval each academic year while subject to the requirement. Any changes to the initial request during the year must be reported and approved. For further information, please call 575.562.2632. Exemption forms are available online at **enmu.edu/housing**. Review of requests will require at least 10 University business days. Failure to provide complete documentation may delay this review further. All information provided must be accurate. Students should submit requests as early as possible to avoid time delays due to a large number of last-minute requests.

## Guide to Campus Living

The Guide to Campus Living contains all of the information, rules and regulations regarding University housing. Briefly, it will cover the furnishings students may expect in each type of residence, electronic equipment and food storage equipment that are legal to bring, and some of the amenities, such as laundry facilities, found in the halls and apartments. Please read this document carefully. A printed copy will be furnished to all students checking into University residences. A copy is posted on the Web at **enmu.edu/housing**. Please note that possession of dangerous weapons is strictly prohibited. This includes possession in the building and in the parking lots. Do not bring these items to campus. The intent to use them or display them is not considered. If they are in a student's possession, a violation has occurred. 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. Use and possession of alcohol and other illegal drugs are strictly prohibited in the residence halls. The University has a three-strike policy but has the option to exercise suspension on the first offense. Parents are informed of the violation in the majority of cases. Information concerning University-owned apartment policies and facilities may be obtained from the Office of Housing and Residence Life, 575.562.2632 or the housing Web site at **enmu.edu/housing**. The Guide to Campus Living contains a complete listing of all rules and regulations as well as a copy of the Student Code of Conduct. Please read both documents carefully before checking into the University residences.

## Residence Hall Security

The security of the facility is very important to the staff as well as the University. Staff members make every effort to create a safe and comfortable environment, but they cannot do it alone. Residents are responsible for helping to ensure the security of the hall by abiding by policies and taking an active role in the hall.

## Campus Dining

ENMU offers Carte Blanche and Carte Blanche Platinum meal plans that give students unlimited meals at the Campus Crossroads Dining Hall from 7:30 a.m. to 7:30 p.m. during the week and limited hours on weekends. Four other venues, located in the Education Building, Jack Williamson Liberal Arts Building, the Golden Library and the Campus Union, offer a variety of beverages and snacks for students on the go. In addition, a commuter meal plan is offered.

The director of Sodexo at ENMU will meet with any student who has special dietary needs and make a reasonable accommodation for those needs. Flex dollars purchased with the Carte Blanche plan and the Commuter Plan give the flexibility to eat at locations other than the Campus Crossroads Dining Hall. The goal of dining at ENMU is to provide healthy, balanced and tasty choices for every meal. For more information and questions, call 575.562.2190.

## Student Health Services

The Office of Student Health Services (SHS) provides care and treatment for acute and minor illnesses. SHS also offers health clinics for men and women, as well as nutritional counseling for students who request it. Limited prescription medications are available in the office. As with any medical clinic, confidentiality is assured. Many services are provided free for most students. A small fee is charged for prescriptions. SHS is located on the west end, ground floor of Curry Hall, 575.562.2321. Office hours are Monday through Friday, 8 a.m. to 5 p.m. Except in the event of an emergency, students are encouraged to make appointments. Appointments will reduce waiting time. Walk-in hours are also listed at SHS.

## Student Health Insurance

ENMU is not responsible for costs arising from injury and sickness. Students are encouraged to purchase their own health insurance and to carry their insurance card with them at all times. International students are required to document proof of insurance each semester. ENMU does not endorse a particular student health insurance company; however, the SHS website has a link to a page listing several companies. Students may choose from these groups or arrange their own insurance coverage. International students should contact the Office of International Affairs at 575.562.4697 and are required to show proof of current health insurance purchases.

## University Bookstore

The mission of the ENMU Campus Bookstore is to enhance and support the educational processes of Eastern New Mexico University. The ENMU Campus Bookstore, managed by Barnes and Noble, partners with the University community to provide appropriate goods and services at a competitive price, help develop and maintain an effective learning environment, reflect an institutional image of competence and quality, provide advice on services and resources appropriate to educational needs, and generate income to augment University resources. In executing this role, the bookstore is committed to high quality, innovation and service.

## Textbook Rentals

Textbooks for many classes may be rented from the bookstore. Textbook rentals are generally less than half of the cost of a new book. In order to rent textbooks, a student must provide a credit or debit card as security against the rental, and the card is only charged if the rented books are not returned. Rentals are due for return the day after the last day of finals.

In addition to textbook rentals most books are also available as new, used and as digital books to be either purchased or rented. For more information on digital textbooks please visit **nookstudy.com**.

## Online Orders

Students may pre-order textbooks on the bookstore's website, **enmu.bncollege.com**. The website can also be reached from **enmu.edu/bookstore**. Orders placed online may be charged to a student's account by choosing the SFA payment option at check-out. Online orders may be shipped to a student's home or held at the bookstore for pick-up at the beginning of the semester.

## Purchases

Purchases can be paid with cash, check or major credit card. Each semester there is also a period of time when students may charge books to their student account. This time period begins roughly three weeks before classes start and runs through the first week of classes. Students will need to present a student ID in order to charge to their student account.

## Refund Policy

An original cash register receipt must accompany all returns. Refunds may be made up until the end of the first week of classes. If a student drops a class the student may return the books for that class until the end of the drop/add period.

## Gross Receipts Tax

There is no tax charged on textbooks. Normal tax is charged on supplies and other items purchased at the bookstore.

## Store Hours and Contact Information

Monday through Friday: 8 a.m. to 5 p.m. Located next to the Campus Union (CUB), the bookstore also has extended hours during the first week of each semester and is also open on Saturdays for special events or upon request from groups or organizations. The bookstore phone number is 575.562.2715 and the store manager can be reached at **sm613@bncollege.com**.

## ENMU Police Department

The ENMU Police Department (ENMUPD) is located at 229 S Ave K on the northeast corner of West 3rd Street and S Ave K. The ENMUPD is a full-service law enforcement agency which operates 24 hours per day, seven days per week, including holidays. The department is comprised of New Mexico certified and sworn law enforcement officers, as well as security and office staff. The ENMU Police Department can be contacted at 575.562.2392 during regular business hours. A police officer is available directly after hours, on weekends and on holidays at 575.760.2945. The ENMUPD provides police services to all members and visitors of ENMU.

All students, faculty and staff at ENMU who operate motor vehicles on University property are required to register their vehicle(s) with the ENMU Police Department per University policy. The ENMUPD also provides on-demand training programs which include self-defense and substance abuse programs. The general services and activities of the ENMUPD include handling calls for service, traffic control, parking enforcement, generation of police reports, building checks, serving writs of the court, dignitary protection and protection of attendants and property at social and athletic events.

The department maintains a positive relationship with all local, state and federal law enforcement agencies and actively cooperates with them to assure University interests are protected. Students, faculty and staff are subject to all local, state and federal laws as well as University regulations.

## Student Conduct

The Student Code of Conduct is printed in its entirety in the Student Handbook and can be found on the web at **enmu.edu/studenthandbook**. A printed copy of the Code is available in the Guide to Campus Living printed and distributed to each new residence hall or University apartment resident at check-in. The Student Code of Conduct covers all expectations for student conduct, sanctions, adjudication processes and the student rights and responsibilities. The Student Code of Conduct applies to both graduate and undergraduate students. All ENMU students should read this document and will be held responsible for abiding by the Student Code of Conduct while at ENMU.

## Student Publications

The student newspaper, The Chase, is produced and managed by ENMU students. For more information about The Chase, in print or online, call 575.562.2130.

HoundBytes is the student online magazine, which offers students the opportunity to publish opinion and editorial analysis of local, regional and world events.

## Student Government

The Associated Students of ENMU (ASENMU) provides students a voice in University governance and helps provide services for students. The executive branch is comprised of a president. The legislative branch is the Student Senate consisting of representatives from the colleges and major groups on campus. The elected Senate distributes senate bills to various student organizations and individual students and makes recommendations to the administration on University policy. Student Fee Allocation is a sub-committee to the senate, along with Homecoming, Eastern in Action, Student Concerns Forum, Mud Volleyball and St. Jude Up Til Dawn. The judicial branch consists of an attorney general and a supreme court. Most student elections are held in the spring semester, and appointments to standing committees are made in the fall semester. There are many opportunities to get involved in all areas of ASENMU. For more information, contact ASENMU in the Campus Union Building, 575.562.2477.

## Student Organizations

The Office of Campus Life serves as the focal point for more than 65 registered student organizations on campus. The office allows students to create clubs and organizations if one is not offered. Student organizations build leadership within the groups and put on various events throughout the year. For more information about registered student organizations, please contact the Office of Campus Life, located in the Campus Union (CUB), 575.562.2108.

## Veterans and Non-Traditional Student Organization

This organization serves a variety of students: veterans, students above the age of 23, single and married parents of all ages, adults re-entering school after many years' absence and others who have not made an immediate transition from high school to college. The primary goal is to reacquaint non-traditional students with the college atmosphere and to provide support and information.

## Fraternities and Sororities

ENMU encourages the development of social fraternities and sororities on campus. Fraternities represented are Kappa Sigma, Phi Mu Alpha and Sigma Chi. The sororities represented are Chi Omega and Zeta Tau Alpha. Information may be obtained from the Office of Campus Life, 575.562.2108.

## 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-of-pace program for the busy university student. For a great way to stay active and meet other students, faculty and staff, stop by the office in Greyhound Arena, Room 14, or visit the Website at **enmu.edu/current-students/intramurals**. A long-standing recreational sports motto at ENMU is "Fitness for Life!!"

## Dawg Days

Dawg Days is the traditional early-arrival orientation program for new students. New entering freshmen are required to attend, and new transfers are encouraged to attend. Dawg Days is three days of activities that begins with meeting new people and getting familiar with the campus and ends with intensive preparation for classes and academic life. For more information, contact the Ofice of Campus Life, 575.562.2108.

## LEAD ENMU

LEAD ENMU (Leadership, Education and Development) stands to educate all students about leadership and professional development. This department brings in nationally acclaimed speakers and presenters as well as host various leadership conferences and sessions. The LEAD ENMU office is located in the Campus Union (CUB), Room 104. For more information call 575.562.2108.

## Intercollegiate Athletics

Eastern New Mexico University is a member of NCAA Division II and the Lone Star Conference. Men and Women's rodeo is offered through the National Intercollegiate Rodeo Association. Intercollegiate sports include the women's sports of basketball, cross country, soccer, softball, track and field, and volleyball. Men's sports include baseball, basketball, cross country, football, soccer, and track and field. Intercollegiate athletic contests are announced in advance at **goeasternathletics.com**. Student athletes appreciate the support of the entire University.

## 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 many of 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.

# 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 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 ENMU-Portales or for a subsequent year of enrollment according to the following provisions: (1) the degree is conferred within six years from the end date of the catalog from which the student was enrolled, (2) the student has been continuously enrolled, (3) all curricular requirements are governed by one catalog; and (4) the University can reasonably continue to offer the course of study. If a student is readmitted to the University following an absence of no more than two regular semesters, the student may petition the department chair and college dean for permission to stay within his or her previous catalog of record. If the student is readmitted to the University following more than two regular semesters, the catalog of record will be changed to the readmit year.

Colleges reserve the right to require students to repeat or prove their competence in the content of coursework considered outdated by passing a challenge examination. Specific information on this process is outline in the "Course Challenging" section located on Page 34.

Colleges have the authority to extend the six years for part-time students who are continuously enrolled. A memorandum must be submitted to the Office of the Registrar with the college dean's approval.

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

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 opportunity to petition for exceptions.

### 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 Council for Higher Education Accreditation (CHEA) 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. However, transfer students are strongly encouraged to use the most recent catalog as this represents the most current intent of the degree program.

### Petitions for Exceptions to Curricular Requirements

Students may petition for exceptions to curriculum requirements and academic policies. Requirements established by the programs for a major or minor should be addressed by petitioning the academic advisor, chair and dean. In the case of requirements and policies set by the University, the petition will also need to be reviewed and approved by the vice president for Academic Affairs.

## CAPP Degree Evaluation

CAPP Degree Evaluation is the acronym for Curriculum, Advising and Program Planning, and it tracks a student's progress toward completion of their degree requirements. CAPP is an unofficial evaluation, used as a tool for students and advisors to check progress toward graduation, and by which the Office of the Registrar will confirm eligibility for graduation. CAPP searches through in-progress courses, transfer credits and courses taken at ENMU-Portales to find courses that match the degree requirements. CAPP is broken down into areas that include the Core Curriculum/General Education Requirements, your major and minor area requirements.

It is the student's responsibility:

1. To read and follow degree requirements established in this catalog
2. To declare a major/minor at **enmu.edu/declare** at or before the completion of the third semester
3. Initiate changes and substitutions regarding his or her advisor assignment, major, minor and other degree requirements
4. To review with his/her faculty advisor the coursework required for graduation
5. To apply for graduation at **enmu.edu/graduation**

Undergraduate degree programs include general requirements for degrees that 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 made in the recording of degree plan requirements 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. College coursework taken during high school will not count toward the 30 hours.

Taken during the first semester of enrollment, UNIV 101 helps students transition successfully to college as they discover the resources available to them at ENMU. The course 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. For information contact, Student Academic Services, Room 214, 575.562.2338.

## Clemency Policy

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

**Philosophy**–Students who have previously attempted coursework at ENMU and were not successful but who wish to resume their college careers may, through the granting of academic clemency, exclude the poor academic record from current work.

**Criteria**–To be considered for clemency, a student:

1. Must be currently attending ENMU-Portales.
2. Has not attended ENMU or any of its branches for five or more years prior to their current enrollment.
3. Has completed the first 12 credit hours after returning with a minimum grade of "C" or higher in each class taken. If more than 12 hours are attempted prior to seeking clemency, the student must earn a grade of "C" or higher 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 higher in each class taken. No courses taken prior to the student's return will be counted in his/her ENMU institutional GPA or toward degree requirements.

**Note**

1. Clemency will only be granted for courses taken from ENMU-Portales.
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. Students who have already graduated or are no longer attending ENMU may not apply for clemency.

## Graduation and Commencement

A student completing his/her degree must apply for graduation early in the semester in which he/she intends to graduate. The deadline for applying is available online in the University Calendar at **enmu.edu**. The student may apply or obtain information about graduation and commencement in the Office of the Registrar or online at **enmu.edu/graduation**.

A student who wishes to pursue another associate or bachelor's degree or who wishes to take classes as a non-degree undergraduate student must reapply for admission at **enmu.edu/applynow**. Those who wish to pursue a master's degree or take courses as a non-degree graduate student must apply for admission to the graduate school. For more information see the ENMU graduate catalog or apply online at **enmu.edu/apply**.

## Earning a Second Associate or Bachelor's Degree

The following policies apply for earning an additional associate or bachelor's degree after the same level degree has already been awarded. Students who wish to pursue two degrees at the same time should refer to the section on earning two degrees. It is the obligation of the student to follow stated policies. Graduation fees will be required for each degree awarded.

The student must apply for admission to the University as a student seeking a second degree (associate or bachelor's), and must complete a declaration of major request to secure a degree plan checklist.

Student must comply with the following:

1. The student must satisfactorily complete specified associate or bachelor's requirements for the second degree, along with any leveling coursework in the particular related area.
2. A cumulative grade point average of 2.0 on a 4.0 scale is required.
3. The curriculum for the second associate degree must include a minimum of 20 required resident credit hours not counted toward the first degree, or 15 hours if the first degree is from ENMU. Courses taken prior to completing the first associate degree are included in that degree even if the hours are not needed for that specific degree and may not be applied to the second associate degree.
4. The curriculum for the second bachelor's degree must include a minimum of 32 required ENMU credit hours not counted toward the first degree, 30 hours if the first degree is from ENMU. Courses taken prior to completing the first bachelor's degree are included in that degree even if the hours are not needed for that specific degree and may not be applied to the second bachelor's degree.
5. The CAPP evaluation, degree audit and graduation approval form will serve as guidelines in determining satisfactory completion of the second degree requirement.
6. Applicable graduation fees will be assessed for each additional degree.

## Earning Two Associate or Two Bachelor's Degrees

The following policies apply for earning an additional associate or bachelor's degree simultaneously with the first degree at the same level. It is the obligation of the student to follow stated policies. Graduation fees will be required for each degree awarded.

The student must complete a declaration of major stating that the intent is to receive two associate or two bachelor's degrees from ENMU-Portales while working on them at the same time. This usually involves two different types of degrees, e.g., a Bachelor of Science and a Bachelor of Business Administration. However, students may elect to pursue two degrees when the majors are offered in the same degree, e.g., both programs are available in the Bachelor of Arts. Students are encouraged to work with advisors in deciding whether this option is appropriate, because it is normally quicker to pursue two majors offered under the same degree as a double major rather than as a concurrent degree. See Page 39 for definitions.

Students must comply with the following:

1. The student must specify which degree is the primary degree and which is the secondary degree.
2. The student must satisfactorily complete specified associate or bachelor's requirements for the first degree. For example, if the student declares as the first or primary degree a major which requires a minor, the student must complete the major and minor requirements for that degree as well as the institutional and general education requirements appropriate to it.
3. A cumulative grade point average of 2.0 on a 4.0 scale is required for both degrees.
4. The curriculum for a second associate degree must include a minimum of 15 required resident credit hours not counted toward the first degree. For a second bachelor's degree, the curriculum must include a minimum of 30 resident credit hours not counted toward the first or primary degree. Thus, if the primary bachelor's program requires the minimum 120 hours for completion, pursuing a concurrent second bachelor's degree results in a minimum requirement of 150 hours. Similarly, a concurrent associate degree results in an additional 15 hours for a total of 79 hours minimum.
5. Applicable graduation fees will be assessed for each degree.

## Student Learning Assessment

Eastern New Mexico University is an institution centered on student learning and student achievement. To assess 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. As a requirement for graduation, students must participate in academic assessment. Students will be notified of their required participation. Questions about the Student Learning Assessment Program can be directed to the Office of Assessment at 575.562.4313 or assessment.committee@enmu.edu.

## Academic Integrity

Students are responsible for achieving academic and course goals and objectives as required by their instructors and for honestly demonstrating attainment. Failure to do so may result in two different outcomes. 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.

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, Internet sites and other electronic media.

## 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 090 through 099 are developmental courses; 100 through 199 are primarily for freshmen; 200 through 299, for sophomores; 300 through 399, for juniors; 400 through 499, for seniors; and 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 that 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 (a) are enrolled in the final 12 hours of their undergraduate work; (b) are taking sufficient work to complete the requirements for the baccalaureate degree; (c) are eligible for admission to the Graduate School; and (d) have a cumulative overall GPA of at least 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 four-week 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. Full-time status for academic purposes is not the same as full-time for financial aid purposes during the summer.

## Developmental Studies

Developmental Studies (DS) courses–such as English 097 and Reading 097–are designed to improve the abilities of entering students and better prepare them for college-level coursework. 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 DS courses. Students wishing to test out of a developmental course placement should check first with the Advising Center. 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 Center to determine their placement.

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 higher. If a student earns a grade of "D" or "F," she/he must retake the course. **Note:** A student will be able to receive federal financial aid for a maximum of 30 semester credit hours of DS coursework.

Students must take English 097 and Reading 097 their first semester. All Developmental Studies courses should be completed by the end of the third semester. Students must successfully complete any English 097 or math class in which they are placed before enrolling in other English or math classes. For additional information, contact the Advising Center, Student Academic Services Building (SAS), Room 214, 575.562.2338.

## 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

Attendance is expected at all sessions of each course for which the student is enrolled; the responsibility of attendance is placed on the student. Faculty members will establish and state in the syllabus the attendance, grading and make-up policies for their courses. Faculty members are not responsible for withdrawing students who do not attend. Non-attendance does not imply withdrawal from a course.

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 **MyENMU Portal**.

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; 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. **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 that could not be completed due to circumstances beyond the student's control. Grade points not given. 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 Office of 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 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 Office of the Registrar when the work has been completed. An "F" grade will be given for inadequate work or work not completed in a timely fashion. In the event the work is not completed and no change of grade form submitted at the end of the next regular semester, the grade will automatically revert to an "F." 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 that have 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 that have been designated for S-U grading. **Grade points 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 a "W" unless the student has officially withdrawn. **Grade points not given**.
- CRE–The "CRE" grade is recorded when the student receives credit by examination. **Grade points not given**.
- NC–The "NC" 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 Office of 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, in the Office of Academic Affairs and in the Student Handbook at **enmu.edu/student-handbook**. **No grade review request will be considered after a period of one calendar year following the recording of the grade on the transcript.**

## Dean's List

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 3.500-3.699 GPA

## Repeat of Course

A course may be repeated to replace a grade earned in it. The following regulations will apply:

1. The original and any repeat courses must be from an ENMU campus (Portales or Ruidoso).
2. 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.
3. All course enrollments and grades will appear on the transcript but only the highest 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 with the highest grade will be used for the purpose of calculating the grade point average and in determining the satisfaction of degree requirements.
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.

Courses that are allowed to be repeated may be viewed in the course description part of the catalog.

## Administrative Drop

A student who preregisters for courses that require successful completion of a prerequisite (which the student is currently taking) and then fails the prerequisite may be administratively dropped from the course that requires successful completion of the prerequisite. The student will receive an email regarding this information so other arrangements can be made (all correspondence are sent to the student's **enmu.edu** email).

Students found lacking the required prerequisites for a course may be administratively dropped. 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 with the approval of the respective dean; however, if the student is allowed to remain in the class, that student will be assigned the grade earned in the course.

## Drop/Add

A student may change his/her registration by adding and/or dropping courses within the deadlines set in the University class schedule. Students may add and/or drop courses within the deadlines set by logging into the portal, **my.enmu.edu**. Students with an Advising Center hold will need to make arrangements with the Advising Center to add/drop courses. International students must have approval of their academic advisor and international advising officer before making any changes to their class schedules. A course dropped during the appropriate time period will not appear on the student's transcript. In a variable credit course all hours must be dropped, not just a portion of them. All exceptions to these policies must be approved by the vice president for Academic Affairs.

## Course or Complete Withdrawal

A student may change his/her registration by withdrawing from a course within the deadlines set in the University class schedule. A course withdrawn from will appear on the student's transcript with a grade of "W." Refunds will be made for withdrawals according to the refund schedule/dates on Page 16.

A student who is forced by emergency circumstances to leave the University without officially withdrawing should notify the Retention Coordinator. 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 16.

## Request Course Drop/Add/Withdrawal or a Complete Withdrawal from the University after the Deadline

The University has established deadlines in order to conform to statewide enrollment reporting requirements. Deadlines have also been established to ensure that students make timely and effective decisions regarding their coursework and progress toward degree completion and **protect their financial aid eligibility status**. A request to add, drop or withdraw from a course or to completely withdraw from the University after the deadline can only be honored in **extreme circumstances**, and such requests must be accompanied by **appropriate documentation and approval signatures.** Students may locate the Request to Add/Drop/Withdraw after the University Deadline at **enmu.edu/registrar**. Students must use the form or send an email using his/her **enmu.edu** email address with the following information after the deadline:

1. Statement of the student's extreme circumstances
2. Appropriate documentation
3. Student's signature (on form or by using the student's **enmu.edu** email address). These documents must be submitted to the VPAA. The VPAA will determine whether a late withdrawal should be approved based on the documented circumstances
4. Vice president for Academic Affairs signature (on form or by using the **enmu.edu** email address).

## Warning, Probation and Suspension

Students are expected to maintain a good academic standing throughout their college careers. An institutional GPA of 2.00 or above is required to graduate, and the University offers special assistance to those needing academic help. Students not in good academic standing may be placed on warning, probation or suspension.

**Academic warning** applies to first-time freshman students who, at the end of their first enrollment at ENMU (summer semester or fall semester), have an earned GPA of lower than 2.00. Students placed on academic warning must successfully participate in an academic intervention program to assist in improving academic progress. Students who do not raise their cumulative and semester GPAs above 2.00 in the next term will be placed on academic probation. Academic warning applies only to students with fewer than 17 earned credit hours.

**Academic probation** applies to students with 17-29 earned credit hours with a semester GPA of 2.0 or higher but an ENMU institutional GPA **below 2.00**. Students placed on probation must successfully participate in an academic intervention program to assist them in preventing suspension. Students who do not raise their cumulative and semester GPAs above 2.00 in the next spring, fall or summer session will be placed on academic suspension. Students placed on probation will remain on probation until they achieve good academic standing (cumulative and semester GPAs of at least 2.00) or are suspended.

**Academic suspension** applies to students with 30 or more earned credit hours who have a semester GPA below 2.0 and have been on academic probation for one semester.

| Hours | Academic Standing | Conditions |
|---|---|---|
| 0-16 | Warning | ENMU GPA is below 2.00 following first enrollment period (summer, fall or spring). Student is placed on academic warning. |
| | Probation | New student admitted on academic warning who fails to raise the ENMU cumulative GPA to 2.00 and to earn a semester GPA of 2.00 is placed on probation. |
| | | |
| 17-29 | Probation | ENMU cumulative GPA is below 2.00; student's semester GPA is 2.00 or above. Student is on probation. |
| | Suspension | Admitted on probation, the student's ENMU cumulative and semester GPAs are below 2.00 **OR** ENMU GPA is below 2.00 after one semester on probation. |
| | | |
| 30-more | Probation | ENMU cumulative GPA is below 2.00; student's semester GPA is 2.00 or above. |
| 30-more | Suspension | ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following one semester of academic probation. |

Academic suspension will always be immediately preceded by at least one semester of academic probation. For transfer students admitted on probation, the first semester of attendance will be the probationary semester. Students admitted on probation will be suspended according to the table above.

The first suspension will result in a denial of enrollment for one **regular** semester (fall or spring). A second academic suspension will result in a denial of enrollment for **one calendar year.** Upon a third academic suspension, the student is denied enrollment from the University for **five years**.

Students suspended may be readmitted after serving the suspension period. Students who have completed the mandated suspension period must follow any conditions set by the University.

Students may petition for a waiver of the mandated suspension period based on extenuating circumstances. Students suspended for a third or subsequent time must serve at least one year of the suspension period without enrollment before petitioning. A student petitioning must submit a written appeal to the Office of the Registrar for review by the Admissions and Standards Committee. Appeal forms are available online at **enmu.edu/registrar**. 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.**

## 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. To register for an independent study course, the paperwork must be signed and approved during the add/drop time period. If an independent study form is approved after the add/drop time period, the student must follow the appropriate late add requirements described on Page 32. Copies of this agreement become part of the student's permanent record.

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

## ACT/SAT Credit Examination Program

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

| ACT | SAT | Credit Applied to |
|---|---|---|
| English 31 | Verbal 700 | ENG 102 (3 credits) |
| Math 31 | Quantitative 690 | MATH 104 and 113 (8 credits) |

2. Credit is given to students who take the ACT/SAT examination before the first registration at ENMU-Portales. Credit is awarded within the first semester of attendance. Transfer students must submit ACT/SAT scores for consideration for this credit.
3. Any credit earned through CLEP, AP and ACT/SAT must be mutually exclusive. For example, a student cannot earn three hours of English credit through ACT/SAT and another three hours of credit for English through CLEP or AP. The total number of credits accepted from any combination of CLEP general and ACT/SAT cannot exceed 30 credit hours.
4. Contact the Office of the Registrar for further details, phone 575.562.2175 or email registrar.office@enmu.edu.

## Credit by Examination/Service

Students may earn credit by taking an approved examination or through military service. ENMU accepts the following:

- Advanced Placement Examinations (AP)–see exams accepted and scores required for credit on Page 35
- College Level Examination Program (CLEP)–see exams accepted and scores required for credit on Page 36
- DSST (DANTES)–see exams accepted and scores required for credit on Page 37
- Course Challenging–see below
- Students may also receive credit for military service or the International Baccalaureate. Discuss with the faculty advisor

To receive credit for AP, CLEP, the International Baccalaureate and/or DSST (DANTES) students must provide scores to the Office of the Registrar. Credit will be accepted for transfer students as recorded on official transcripts from accredited colleges or universities. The maximum number of hours that may be applied to a degree from ACT, AP, CLEP, the International Baccalaureate, challenge examinations or military credit is 32 for the associate degree and 50 for the bachelor's degree. For more information please contact the Office of the Registrar (Administration Building, Room 105) or 575.562.2175 or email registrar.office@enmu.edu.

## 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 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 coursework. 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 higher. 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.

## Veterans' Standards of Progress

The State Approving Agency in Santa Fe, New Mexico approves courses in the undergraduate and graduate catalogs for veterans claiming benefits under the Montgomery GI Bill. Entitlement programs are offered for honorably discharged veterans, active duty personnel and dependents of medically discharged or disabled veterans. For application and certification, the potential recipient must interview with the Veterans Administration Certifying Official (VACO) and provide required documentation for approval from the Veterans Administration Regional Office (VARO). Once approval has been granted, the student must follow the VARO written guidelines given at the time of the interview which include satisfactory standards of progress. Failure to comply with the VARO guidelines may result in discontinuation of benefits. Eligibility is determined by contacting the VACO at the Office of the Registrar in the Administration Building, Room 105.

## ENMU Advanced Placement* Credit Awards

| Examination | Score Level | Hrs. | ENMU Course Equivalent |
|---|---|---|---|
| **Art History** | | | |
| | 3 | 3 | ART 165 |
| | 4, 5 | 6 | ART 165 and 166 |
| **Biology** | | | |
| | 4, 5 | 4 | BIOL 154/L |
| **Chemistry** | | | |
| | 4, 5 | 4 | CHEM 151/L |
| **Computer Science** | | | |
| A | 3 | 4 | CS 123 |
| | 4, 5 | 8 | CS 123 and 234 |
| **Economics** | | | |
| Microeconomics | 3, 4, 5 | 3 | ECON 222 |
| Macroeconomics | 3, 4, 5 | 3 | ECON 221 |
| **English** | | | |
| Language and Composition | 3, 4, 5 | 3 | ENG 102 |
| Literature and Composition | 3 | 3 | ENG 102 |
| | 4, 5 | 6 | ENG 102 and 211 |
| **French** | | | |
| Language and Culture | 4 | 8 | FR 101 and 102 |
| | 5 | 7 | FR 102 and 201 |
| **German** | | | |
| | 3 | 4 | Lower-division language elective |
| | 4, 5 | 6 | Lower-division language elective |
| **Government and 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 |
| **Latin: Vergil** | | | |
| | 3 | 4 | Lower-division language elective |
| | 4, 5 | 6 | Lower-division language elective |
| **Mathematics** | | | |
| Calculus AB | 3 | 4 | MATH 124 |
| | 4, 5 | 8 | MATH 124 and 132 |
| Calculus BC | 3 | 8 | MATH 124 and 132 |
| | 4, 5 | 12 | MATH 124, 132 and 202 |
| **Music Theory** | | | |
| | 3 | 3 | MUS 241 |
| | 4, 5 | 6 | MUS 241, 242 |
| **Physics** | | | |
| B | 3 | 4 | PHYS 151/L |
| | 4, 5 | 8 | PHYS 151/L and 152/L |
| C | 3 | 4 | PHYS 151/L |
| (mechanics) | 4, 5 | 4 | PHYS 151/L |
| (electricity and magnetism) | 4, 5 | 4 | PHYS 151/L |
| **Psychology** | | | |
| | 3, 4, 5 | 3 | PSY 101 |
| **Spanish** | | | |
| Language | 4 | 8 | SPAN 101 and 102 |
| | 5 | 7 | SPAN 102 and 201 |
| Literature | 4 | 8 | SPAN 101 and 102 |
| | 5 | 7 | SPAN 102 and 201 |
| (For students who take both the language and Literature tests and earn a 4 or higher on both tests, 11 credits will be awarded, SPAN 101, 102 and 201.) | | | |
| **Statistics** | | | |
| | 3, 4, 5 | 4 | STAT 213 |

*AP credit will only be granted for exams on this list.

## ENMU CLEP* Test Policy

| | Cut-Off Score for Credit | Hours | ENMU Course Equivalent |
|---|---|---|---|
| **General Examinations** | | | |
| College Composition | 50 | 3 | ENG 102 English Composition (ENMU requires essay) |
| Humanities | 50 | 6 | HUM 221 Introduction to World Humanities<br>ENG 211 Introduction to Literature |
| College Mathematics | 50 | 8 | MATH 104 Preparatory Algebra<br>MATH 113 Liberal Arts Math |
| Social Science and History | 50 | 3 | Transcript credit for General Education, Social Studies only |
| **Subject Examinations** | | | |
| Biology | 50 | 4 | BIOL 113/L Biology for General Education |
| Business Law, Introductory | 50 | 3 | BUS 230 Business Law and Ethics I |
| Calculus | 50 | 4 | MATH 124 Calculus I |
| Pre Calculus | 50 | 4 | MATH 119 College Algebra |
| Chemistry | 50 | 8 | CHEM 151/L and 152/L General Chemistry I and II |
| College Algebra | 50 | 4 | MATH 119 College Algebra |
| College Composition | 50 | 3 | ENG 102 English Composition |
| Educational Psychology, Intro to | 50 | 3 | Psychology elective TPS/Intro to Educational Psychology |
| Financial Accounting | 50 | 3 | ACCT 201 Intro to Financial Accounting |
| French Language | 50 | 8 | FR 101 and 102 Beginning French |
| German Language | 50 | 8 | Lower-division elective in modern language credit |
| 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 | IS 293 TPS/Information Systems and Computer Applications |
| Macroeconomics, Principles of | 50 | 3 | ECON 221 Principles of Macroeconomics |
| Management, Principles | 50 | 3 | MGT 201 Principles of Management |
| Marketing, Principles of | 50 | 3 | MKT 201 Principles of Marketing |
| Microeconomics, Principles of | 50 | 3 | ECON 221 Principles of Macroeconomics |
| Psychology, Introductory | 50 | 3 | PSY 101 Introductory Psychology |
| Sociology, Introductory | 50 | 3 | SOC 101 Introduction to Sociology |
| Spanish Language | 50 | 8 | SPAN 101 and 102 Beginning Spanish I and II |
| Spanish Language | 60 | 7 | SPAN 102 Continuation of Beginning Spanish II<br>SPAN 201 Intermediate Spanish I |
| Western Civ. I: Ancient Near East to 1648 | 50 | 3 | HIST 121 Survey of Western Civilization to 1500 |
| Western Civ. II: 1648 to present | 50 | 3 | HIST 122 Survey of Western Civilization since 1500 |

*Credit will be granted only for CLEP exams on this list.

## ENMU DSST (Dantes)*

| Examination Title | Cut-off Score for Credit | Hours | ENMU Course Equivalent |
|---|---|---|---|
| Business, Introduction to | 400 | 3 | BUS 151 Introduction to Business |
| Civil War and Reconstruction, The | 400 | 3 | HIST 293 TPS/The Civil War Era |
| Computing, Introduction to | 400 | 3 | IS 151 Basic Computer Skills |
| Criminal Justice | 400 | 3 | CJ 102 Introduction to Criminal Justice |
| College Algebra, Fundamentals of | 400 | 4 | MATH 104 Preparatory Algebra |
| Cybersecurity, Fundamentals of | 400 | 3 | IS 316 Information Systems Security |
| History of Vietnam War | 400 | 3 | HIST 293 TPS/Vietnam |
| Human Resource Management | 400 | 3 | MGT 293 TPS/Human Resource Management |
| Law Enforcement, Introduction to | 400 | 3 | CJ 293 TPS/ Introduction to Law Enforcement |
| Management Information Systems | 400 | 3 | IS 281 Spreadsheets and Data Analysis |
| Money and Banking | 400 | 3 | FIN 293 TPS/Money and Banking |
| Organizational Behavior | 400 | 3 | MGT 293 TPS/Organizational Behavior |
| Statistics, Principles of | 400 | 4 | STAT 213 Statistical Methods I |
| Supervision, Principles of | 400 | 3 | BUS 293 TPS/Principles of Supervision |
| World Religions, Introduction to | 400 | 3 | REL 293 TPS/Introduction to World Religions |

*Credit will only be granted for DSST or DANTES exams on this list.

# 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 (A.A.) 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. Fifteen (15) hours of the final 30 earned from ENMU-Portales.
5. 35 hours minimum of General Education courses, see Page 41.
   **Note:** ENG 102 and ENG 104 require grades of "C" or higher.
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 assessment degree requirement, see Page 39.

**Note:** The maximum number of hours that may be applied to the associate degree from ACT, AP, the International Baccalaureate, CLEP or challenge examinations or from military credit is 32.

## Bachelor's Degree Requirements

The requirements apply to the following bachelor's degrees B.A., B.B.A., B.F.A., B.M., B.M.E., B.S., B.S.N., B.S.W., B.U.S. Exceptions or additions to these requirements are specified in the following section for the specific degrees.

1. 120 hours minimum.
2. 38 hours minimum of General Education Requirements, see Page 42.
   **Note:** ENG 102 and ENG 104 require grades of "C" or higher.
3. Completion of a major program. Some majors may require a minor.
4. 40 hours minimum of upper-division coursework.
   **Note:** The B.A.A.S. and B.O.E. degrees each require 18 hours of upper-division coursework.
5. 2.00 institutional (ENMU) GPA.
6. 2.00 institutional (ENMU) GPA in major and minor (Colleges may require higher in major).
7. Thirty (30) hours of the final 60 must be taken from ENMU-Portales.
8. 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.
9. Completion of assessment degree requirement, see Page 39.

**Note:** The maximum number of hours that may be applied to the bachelor's degree from ACT, AP, the International Baccalaureate, CLEP, challenge examinations or from military credit is 50.

## Bachelor of Arts (B.A.) Degree Requirements

In addition to the nine Bachelor's Degree Requirements students must demonstrate proficiency in a second language (other than English). SPAN 201 and 202; or 205; or the equivalent in a language other than Spanish. See SPAN course descriptions for prerequisites on Page 176.

## Bachelor of Business Administration (B.B.A.) Degree Requirements

1. The nine Bachelor's Degree Requirements.
2. Completion of the Basic Skills Requirement with a grade of "C" or higher in each course, see Page 44.
3. Completion of the Foundation Core with a grade of "C" or higher in each course, see Page 44.
4. Completion of the Business Core, including BUS 453, the capstone course, all with a grade of "C" or higher. BUS 453 must be taken at ENMU.
5. Completion of the International Course requirement with a grade of "C" or higher.
6. Completion of all classes necessary to fulfill the major/emphasis requirements with a grade of "C" or higher in each course.
7. Minimum combined 2.25 cumulative GPA on Foundation Core, Business Core and all courses necessary to complete the major/emphasis requirements.

## Bachelor of Occupational Education (B.O.E.) Degree Requirements

1. 120 hours minimum.
2. 18 hours minimum of upper-division coursework.
3. 2.00 institutional (ENMU) GPA.
4. 3.00 institutional (ENMU) GPA in the major.
   **Note:** A grade of "D" will not count in the major.
5. Thirty (30) hours of the final 60 must be taken from ENMU-Portales.

## Bachelor of Applied Arts and Sciences (B.A.A.S.)

1. 120 hours minimum.
2. 18 hours minimum of upper-division coursework. At least 15 hours of upper-division coursework must be completed through ENMU-Portales.
3. 2.00 institutional (ENMU) GPA.
4. 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. Thirty (30) hours of the final 60 must be taken from ENMU-Portales.
6. Completion of assessment degree requirement, see Page 39.

**Note:** The B.A.A.S. degree is not available as a second bachelor's degree.

## Bachelor of Science in Education (B.S.E.) Degree Requirements

1. 120 hours minimum.
2. 55-56 hours of Teaching Degree General Education Requirements.
   **Note:** ENG 102 and ENG 104 require grades of "C" or higher.
3. 40 hours minimum of upper-division coursework.
4. 3.0 cumulative GPA.
5. 3.0 cumulative GPA in major or minor. All grades in major and minor courses must be "C" or higher.
6. Thirty (30) hours of the final 60 must be taken from ENMU-Portales.
7. Teacher licensure and/or endorsement coursework; see advisor.
8. 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.
9. Completion of assessment degree requirement as stated below.

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

## Bachelor of Arts in Education (B.A.E.) Degree Requirements

1. The nine B.S.E. Degree Requirements as stated above.
2. Proficiency in a second language (other than English) as described in the Bachelor of Arts Degree Requirements, see Page 38.

## Assessment Degree Requirement

Students who have completed 55 to 75 credit hours may be required to participate in institutional assessments of general knowledge. Assessment activities are conducted by the Office of Assessment. Students who are contacted to participate and 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 and new transfers are advised in the Advising Center or the Transfer Center. The advisors help students plan their course schedule, explore majors and learn to do their own academic planning. Students declare a major/minor using the online declaration of major form at **enmu.edu/declare**.

## Declaration of a Major or Change of Major/Minor/Emphasis

Declaring a major 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 completing a Declaration of Major form available online at **enmu.edu/declare** and will use a CAPP degree evaluation for the tentative degree plan.

A student may declare or change a major, minor, emphasis and/or endorsement area at any time by completing a Declaration of Major form available online at **enmu.edu/declare**. Students may move to the current catalog when changing majors.

## First-Time Freshman

First-time Freshman are students that are attending ENMU for the first time after high school graduation or being admitted with a GED. These students are advised in the Advising Center the first two full semester of attendance. Students are encouraged to declare a major as soon as possible and are required to declare a major by the end of the second semester of study. At this time, they are sent to a faculty advisor in the student's major field of study. Students who do not declare a major will be assigned an advisor in University Studies.

If a student has less than a 2.00 GPA after the second semester, the student will remain with the Advising Center for a third semester.

The Advising Center is located in the Student Academic Services Building (SAS), Room 214, 575.562.2338 and can be found online at **enmu.edu/advising**.

## Transfers

Transfer students fill out the Declaration of Major form online and are sent to the student's major area for advisement. The CAPP degree evaluation will be used for the student's degree plan. Student's pursuing a B.O.E., B.A.A.S. or B.U.S. degree will be advised by the Transfer Center located in the Student Academic Services Building (SAS), Room 107, 575.562.2178, 888.ENMU.ADV.

## Double Major

Double major is the term used to refer to pursuing two major fields of study at the same time. The majors must be offered under the same degree, e.g., both majors are available in Bachelor of Science programs or in Bachelor of Arts programs. Such a program allows the student the opportunity to acquire expertise in two fields of study while working toward the same degree program. Careful planning may allow students to complete requirements for both programs without exceeding the minimum 120 hours required for graduation. However, students are not allowed to complete a double major between any of the Bachelor of Business Administration degrees. Students are encouraged to discuss with their College of Business advisor about possibly completing a minor in their second field of interest instead. Students who want to pursue two majors that are not available under the same degree, e.g., one available as a Bachelor of Science and another available only as a Bachelor of Arts, are referred to the sections on Second Degrees, see Page 29.

## Major

This term refers to a major field of study or primary area of specialization. It requires at least 30 semester hours and usually more. All students must complete institutional and general education requirements as well as a major. Some majors, typically those requiring few hours, may also require the student to complete a minor. **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.**

## Primary Concentration Area

A primary concentration area is that component of a B.A.A.S. degree consisting of 30-58 hours of technical or vocational work from a transfer institution. **A "D" grade will not count in the primary concentration.**

## Secondary Concentration Area

A secondary concentration area is a component of the B.A.A.S. degree. It requires a minimum of one 24-hour block in a field of study. **A "D" grade will not count in the secondary concentration.**

## Subject Matter Endorsement Area/Minor

A subject matter endorsement area is a component of a teaching degree. The subject matter endorsement area serves as the minor for teaching degrees.

## Emphasis

An emphasis is an area of specialization within a major. **A "D" grade will not count in the emphasis.**

## Degree Abbreviations

| | |
|---|---|
| A.A. | Associate of Arts |
| B.A. | Bachelor of Arts |
| B.A.A.S. | Bachelor of Applied Arts and Sciences |
| B.A.E. | Bachelor of Arts in Education |
| B.B.A. | Bachelor of Business Administration |
| B.F.A. | Bachelor of Fine Arts |
| B.M. | Bachelor of Music |
| B.M.E. | Bachelor of Music Education |
| B.O.E. | Bachelor of Occupational Education |
| B.S. | Bachelor of Science |
| B.S.E. | Bachelor of Science in Education |
| B.S.N. | Bachelor of Science in Nursing |
| B.S.W. | Bachelor of Social Work |
| B.U.S. | Bachelor of University Studies |
| C.C. | Certificate of Completion |

## Academic Discipline Abbreviations

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

| | |
|---|---|
| ACCT | Accounting |
| AG | Agriculture |
| ALC | American Language and Culture |
| ANTH | Anthropology |
| ART | Art |
| AVS | Aviation Science |
| BIOL | Biology |
| BLED | Bilingual Education |
| BUS | Business Administration |
| CDIS | Communicative Disorders |
| CHEM | Chemistry |
| COMM | Communication |
| CA | Culinary Arts |
| CJ | Criminal Justice |
| CS | Computer Science |
| CTED | Career and Technical Education |
| DFM | Digital Filmmaking |
| DNC | Dance |
| ECE | Early Childhood Education |
| ECON | Economics |
| EDF | Education Foundations |
| EET | Electronics Engineering Technology |
| ELED | Elementary Education |
| EMGT | Emergency Management |
| ENG | English |
| 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 |
| HRTM | Hospitality Management |
| HUM | Humanities |
| IS | Information Systems |
| MATH | Mathematics |
| MGT | Management |
| MKT | Marketing |
| MUED | Music Education |
| MUS | Music |
| NURS | Nursing |
| PFP | Personal Financial Planning |
| PHIL | Philosophy |
| PHYS | Physics |
| PSCI | Political Science |
| PSY | Psychology |
| RED | Reading Education |
| REL | Religion |
| SED | Secondary Education |
| SOC | Sociology |
| SPAN | Spanish |
| SPED | Special Education |
| STAT | Statistics |
| SWK | Social Work |
| THTR | Theatre |
| UNIV | University (Freshman Seminar) |

## College Abbreviations

| | |
|---|---|
| CET | College of Education and Technology |
| CFA | College of Fine Arts |
| CLAS | College of Liberal Arts and Sciences |
| COB | College of Business |

## 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.
- Explore or further develop interests outside the major or minor.

# Associate Degree General Education Requirements

Courses underlined are not included in the New Mexico 35-hour General Education Core Matrix. Refer to Page 14 for New Mexico General Education Core information. Students planning to transfer should consult the new institution regarding the acceptability of these courses for General Education Requirements.

## Course Requirements

I. Communicating Effectively.....9 hours
ENG* 102 (NMCCNS 1113) .....3 hours
ENG* 104 (NMCCNS 1123) .....3 hours
Selected from COMM courses below .....3 hours
COMM 101 (NMCCNS 1213)
COMM 102 (NMCCNS COMM 1113)
COMM 202

***Note:** Grade of "C" or higher required for satisfactory completion.

II. Understanding and Applying Mathematical Principles (selected from courses below).....3 hours
MATH 113
MATH 119 (NMCCNS MATH 1113)
MATH 120 (NMCCNS MATH 1213)
MATH 124 (NMCCNS MATH 1614)
STAT 213 (NMCCNS MATH 2114)

III. Science (with labs).....8 hours
Classes cover the scientific method and history of science, focusing on the "discovery" approaches and general themes as opposed to primarily being data-oriented.
ANTH 245/L (NMCCNS ANTH 2213/2211), BIOL, CHEM, GEOL, PHYS

IV. Social Science
(Two classes from different disciplines) ..... 6-9 hours
Classes focus on the 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 (NMCCNS ANTH/GEOG 1113), ANTH 105
ANTH/GEOL 233
ANTH 243 (NMCCNS ANTH 2113)
ECON 200
ECON 221 (NMCCNS ECON 2113)
ECON 222 (NMCCNS ECON 2123)
ECS 221
PSCI 101 (NMCCNS POLS 1113)
PSCI 102 (NMCCNS POLS 1123)
PSY 101 (NMCCNS PSYC 1113)
PSY 201, PSY 202
SOC 101 (NMCCNS SOCI 1113)
SOC 212 (NMCCNS SOCI 2113)
SOC 215 (NMCCNS SOCI 2213)

V. Humanities and Fine Arts..... 6-9 hours
Courses must include a minimum of three hours from Category a and three hours from Category b. **Note:** Total number of hours from Categories IV and V combined must be 15.

a. Fine Arts. Classes focus on creative thinking, concept of beauty, the process of expressing art and its role in culture, etc.; includes appreciation and creative applications classes.
ART 101, ART 135
ART 131 (NMCCNS ARTS 1113)
ART 165 (NMCCNS ARTS 2113)
ART 166 (NMCCNS ARTS 2123)
ART 210, ART 231, ART 271
DFM 105
DNC 101 (NMCCNS DANC 1013)
DNC 210
MUS 101
MUS 113 (NMCCNS MUSI 1113)
MUS 113B (NMCCNS MUSI 1413)
MUS 163, MUS 241, Music Ensembles
THTR 111 (NMCCNS THTR 1113)
THTR 113, THTR 121

b. Humanities. 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.
CDIS 144, CDIS 244, CDIS 245, CDIS 246
ENG 211 (NMCCNS ENGL 2213)
ENG 221 (NMCCNS ENGL 2413)
ENG 222 (NMCCNS ENGL 2423)
ENG 251 (NMCCNS ENGL 2513)
ENG 252 (NMCCNS ENGL 2523)
FR 101 (NMCCNS FREN 1114)
FR 102 (NMCCNS FREN 1124)
FR 201 (NMCCNS FREN 2113)
FR 202 (NMCCNS FREN 2123)
GR 201, GR 202
HEB 201, HEB 202
HIST 101 (NMCCNS HIST 1113)
HIST 102 (NMCCNS HIST 1123)
HIST 121 (NMCCNS HIST 1053)
HIST 122 (NMCCNS HIST 1063)
HIST 203 (NMCCNS HIST 2113)
HUM 221, HUM 222
PHIL 201 (NMCCNS PHIL 1113)
PHIL 202 (NMCCNS PHIL 1213)
REL 101, REL 103, REL 107
SPAN 101 (NMCCNS SPAN 1114)
SPAN 102 (NMCCNS SPAN 1124)
SPAN 105, SPAN 205
SPAN 201 (NMCCNS SPAN 2113)
SPAN 202 (NMCCNS SPAN 2123)

Total General Education Requirements.....35 hours

# 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 53.

Courses in underlined are not included in the New Mexico 35-hour General Education Core Matrix. Refer to Page 14 for New Mexico General Education Core information. Students planning to transfer should consult the new institution regarding the acceptability of these courses for general education.

## Course Requirements

I. Communicating Effectively .....9 hours
ENG* 102 (NMCCNS ENGL 1113) .....3 hours
ENG* 104 (NMCCNS ENGL 1123) .....3 hours
Selected from COMM courses below:.....3 hours
COMM 101 (NMCCNS COMM 1213)
COMM 102 (NMCCNS COMM 1113)
COMM 202

***Note:** Grade of "C" or higher required for satisfactory completion.

II. Understanding and Applying Mathematical Principles (selected from courses below) .....3 hours
MATH 113
MATH 119 (NMCCNS MATH 1113)
MATH 120 (NMCCNS MATH 1213)
MATH 124 (NMCCNS MATH 1614)
STAT 213 (NMCCNS MATH 2114)

III. Science (with labs).....8 hours
Classes cover the scientific method and history of science, focusing on "discovery" approaches and general themes as opposed to primarily being data-oriented.
ANTH 245/L (NMCCNS ANTH 2213/2211), BIOL, CHEM, GEOL, PHYS

IV. Social Science
(Two classes from different disciplines)..... 6-9 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 (NMCCNS ANTH/GEOG 1113)
ANTH 105
ANTH 233
ANTH 243 (NMCCNS ANTH 2113)
ECON 200
ECON 221 (NMCCNS ECON 2113)
ECON 222 (NMCCNS ECON 2123)
FCS 221
PSCI 101 (NMCCNS POLS 1113)
PSCI 102 (NMCCNS POLS 1123)
PSY 101 (NMCCNS PSYC 1113)
PSY 201, PSY 202
SOC 101 (NMCCNS SOCI 1113)
SOC 212 (NMCCNS SOCI 2113)
SOC 215 (NMCCNS SOCI 2213)

V. Humanities and Fine Arts ..... 6-9 hours
Courses must include a minimum of three hours from Category a and three hours from Category b. **Note:** Total number of hours from Categories IV and V combined must be 15.

a. Fine Arts. Classes focus on creative thinking, concept of beauty, the process of expressing art and its role in culture, etc.; includes appreciation and creative applications classes.
ART 101, ART 135
ART 131 (NMCCNS ARTS 1113)
ART 165 (NMCCNS ARTS 2113)
ART 166 (NMCCNS ARTS 2123)
ART 210, ART 231, ART 271
DFM 105
DNC 101 (NMCCNS DANC 1013)
DNC 210
MUS 101
MUS 113 (NMCCNS MUSI 1113)
MUS 113B (NMCCNS MUSI 1413)
MUS 163, MUS 241, Music Ensembles
THTR 111 (NMCCNS THTR 1113)
THTR 113, THTR 121

b. Humanities. 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.
CDIS 144, CDIS 244, CDIS 245, CDIS 246
ENG 211 (NMCCNS ENGL 2213)
ENG 221 (NMCCNS ENGL 2413)
ENG 222 (NMCCNS ENGL 2423)
ENG 251 (NMCCNS ENGL 2513)
ENG 252 (NMCCNS ENGL 2523)
FR 101 (NMCCNS FREN 1114)
FR 102 (NMCCNS FREN 1124)
FR 201 (NMCCNS FREN 2113)
FR 202 (NMCCNS FREN 2123)
GR 201, GR 202
HEB 201, HEB 202
HIST 101 (NMCCNS HIST 1113)
HIST 102 (NMCCNS HIST 1123)
HIST 121 (NMCCNS HIST 1053)
HIST 122 (NMCCNS HIST 1063)
HIST 203 (NMCCNS HIST 2113)
HUM 221, HUM 222
PHIL 201 (NMCCNS PHIL 1113)
PHIL 202 (NMCCNS PHIL 1213)
REL 101, REL 103, REL 107
SPAN 101 (NMCCNS SPAN 1114)
SPAN 102 (NMCCNS SPAN 1124)
SPAN 105, SPAN 205
SPAN 201 (NMCCNS SPAN 2113)
SPAN 202 (NMCCNS SPAN 2123)

## Extended Core Requirements (3 hours)

VI. Upper-division-Diversity/Global .....3 hours
AG 312; ANTH 303, 310, 333, 340; ART 305; BUS 302, 310; CDIS 320; CJ 310; COMM 310, 330, 331; CTED 304; ENG 303, 378, 379; FCS 403; HIST 305; HPE 321, 325; MUS 375; NURS 312; PSCI 312, 330; PSY 312; REL 402; SOC 302, SPAN 303.

Total General Education Requirements .....38 hours

# College of Business

## Our Mission

The College of Business of Eastern New Mexico University provides quality, student-focused business education preparing individuals for professional careers, graduate studies and lifelong learning. The College actively engages in business collaboration throughout the region. It operates through an open and accessible governance structure that promotes ongoing self-evaluation and continuous improvement.

## Vision

The College's vision is to:

- Supply a curriculum responsive to the needs of the marketplace
- Provide distance learning through leading edge technology
- Recruit and retain a diverse faculty and student body
- Further quality education and business collaboration through scholarly activities
- Meet or exceed professional accreditation standards
- Furnish consulting, community service, training and research to the region
- Operate through an open and accessible governance structure

| | |
|---|---|
| **Professors:** | R.T. Ervin |
| | David Hemley |
| **Associate Professors:** | Janet Buzzard |
| | Frederick Greene |
| | John T. Luhman |
| | D. Veena Parboteeah |
| | Sue Stockly |
| **Assistant Professors:** | Pattarapong Burusnukul |
| | Miguel Bustamante |
| | Deborah Corbin |
| | Jean-Marc Gandonou |
| | Matthew Haney |
| | Michael Lacy |
| | Patricia James-Maguire |
| | Wlamir Xavier |
| | Michael Zhang |
| **Instructors:** | Corey Cole |
| | Byron Mitchell |
| | Debra Stone |
| | Konni Wallace |
| | Crista Wiegel |

## College of Business Programs and Degrees Offered

| | Certificate | Minor | Major | Emphasis | B.A.A.S. Concentration | Degree |
|---|---|---|---|---|---|---|
| Accounting | | * | * | | | B.B.A. |
| Agricultural Business | | | * | | | B.B.A. |
| Business | | * | | | * | |
| Business Administration | | | * | | | B.B.A. |
| Applied Economics and Finance | | | | * | | |
| General Business | | | | * | | |
| Hospitality Management | | | | * | | |
| Information Systems | | * | | * | * | |
| Marketing | | | | * | | |
| Personal Financial Planning | * | | | * | * | |
| Economics | | * | | | | |
| Management | | | * | | | B.B.A. |

### Transferring the New Mexico Business Discipline Module

Consistent with the requirements of Statute 21-1B-4, the New Mexico Higher Education Department and state higher education institutions have developed several discipline modules that consist of an agreed-upon number of hours and courses, including the general education core, of approximately 64 hours applicable to a specific discipline. The courses listed in each discipline matrix, including the general education core, are transferable and shall count toward fulfilling degree requirements at four-year institutions in New Mexico. Equivalent courses within these modules are identified with common course numbers as an easy reference point to guarantee transfer. The New Mexico Common Course equivalent numbers ("NMCCNS") for the business module courses listed below appear in parentheses following the course title and can also be found following their course descriptions in the back of this catalog. Students wishing to transfer to another college or university should consult an advisor there to see a list of common course equivalencies at that institution.

### Degrees and Degree Requirements

The College of Business awards the Bachelor of Business Administration (B.B.A.). Details regarding the B.B.A. follow.

### Bachelor of Business Administration (B.B.A.)

The ENMU Bachelor of Business Administration (B.B.A.) degree is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), a leading international specialized accreditation for business education, particularly emphasizing teaching excellence.

University Bachelor's Degree Requirements on Page 38, the General Education Requirements on Page 42, the Basic Skills Requirements, the Business Foundation Requirements, the Business Core Requirements and the International Course Requirement

are common to all B.B.A. degrees and are referenced for each major. B.B.A. majors do not require a minor. Additional degree requirements for B.B.A. programs are listed on Page 38.

### Basic Skills Requirements for B.B.A. Majors/Degrees

The following courses should be completed by all students studying for the B.B.A. degree as soon as possible and before any College of Business upper-division (300-/400-level) course is taken:

| Course | | Course Title | Cr. | NMCCNS |
|---|---|---|---|---|
| *ENG | 102 | English Composition | 3 | ENGL 1113 |
| *ENG | 104 | English Composition/Research | 3 | ENGL 1123 |
| *COMM | 102 | Public Speaking (or COMM 101 or COMM 202) | 3 | COMM 1113 COMM 1213 |

*May also be used to satisfy General Education Requirements.

Students pursuing the B.B.A. degree are required to complete the Basic Skills Requirements with a grade of "C" or higher in each course.

### Business Foundation Requirements for all B.B.A. Degrees (38 Hours)

| Course | | Course Title | Cr. | NMCCNS |
|---|---|---|---|---|
| ACCT | 201 | Introduction to Financial Accounting | 3 | ACCT 2113 |
| ACCT | 202 | Introduction to Managerial Accounting | 3 | ACCT 2123 |
| BUS | 230 | Business Law and Ethics I | 3 | BLAW2113 |
| *ECON | 221 | Principles of Macroeconomics | 3 | ECON 2113 |
| *ECON | 222 | Principles of Microeconomics | 3 | ECON 2123 |
| FIN | 201 | Principles of Finance | 3 | BFIN 2113 |
| IS | 151 | Basic Computer Skills | 3 | BCIS 1113 |
| IS | 281 | Spreadsheets and Data Analysis | 3 | |
| MGT | 201 | Principles of Management | 3 | MGMT 2113 |
| MKT | 201 | Principles of Marketing | 3 | MKTG 2113 |
| STAT | 213 | Statistical Methods I | 4 | MATH 2114 |

And complete any one of the following for the mathematics requirements:

| | | | | |
|---|---|---|---|---|
| *MATH | 119 | College Algebra | 4 | MATH 1113 |
| *MATH | 124 | Calculus I | 4 | MATH 1614 |
| MATH | 132 | Calculus II | 4 | MATH 1624 |
| MATH | 202 | Calculus III | 4 | MATH 2614 |

*May also be used to satisfy General Education Requirements.

Students pursuing the B.B.A. degree are required to complete the Business Foundation Core Requirements with a grade of "C" or higher in each course.

### Business Core Requirements for all B.B.A. Degrees (21 Hours)

| Course | | Course Title | Cr. |
|---|---|---|---|
| BUS | 330 | Production and Operations Management | 3 |
| BUS | 381 | Business Research and Analysis | 3 |
| *BUS | 453 | Business Strategy and Policy | 3 |
| FIN | 315 | Managerial Finance I | 3 |
| IS | 301 | Information Systems for Managers | 3 |
| MGT | 313 | Organizational Behavior | 3 |
| MKT | 425 | Marketing Management | 3 |

*The capstone course (BUS 453) is to be completed in the last semester of the senior year. Prerequisites include successful completion of the Business Foundation Requirements, BUS 330, FIN 315 and MKT 425. It is highly recommended all Business Core Requirements be completed prior to taking this course.

Students pursuing the B.B.A. degree are required to complete the Business Core Requirements with a grade of "C" or higher in each course.

### International Course Requirement for all B.B.A. Degrees (3 Hours)

Students pursuing the B.B.A. degree are required to **complete one of the following international courses**, as indicated within the respective major/emphasis, with a grade of "C" or higher:

| Course | | Course Title | Cr. |
|---|---|---|---|
| ACCT | 430 | International Accounting | 3 |
| BUS | 432 | International Business Law | 3 |
| ECON | 407 | International Economic Development | 3 |
| ECON | 409 | International Economics | 3 |
| FIN | 413 | International Finance | 3 |
| MGT | 439 | International Management | 3 |
| MGT | 440 | International Employment Relations | 3 |
| MKT | 430 | International Marketing | 3 |

### Additional Degree Requirements:

1. The Bachelor of Business Administration requirements, see Page 38.
2. Students must successfully complete UNIV 101. **IS 151 should be taken in the first semester of attendance at ENMU**. Developmental and vocational/technical courses will not be counted toward graduation requirements.
3. To be awarded the Bachelor of Business Administration degree, the student must attain a minimum cumulative GPA of 2.25 in the Business Foundation courses (37-38 hours), the Business Core courses (21 hours), International course (3 hours) and the courses necessary to complete the respective major/emphasis requirements (18 hours, except the accounting major which is 24 hours, and the agricultural business major and information systems emphasis which are 21 hours).
4. Bachelor of Business Administration majors do not require a minor.

## Satisfactory Progress Toward Degree

Students must earn a grade of "C" or higher in all courses required for the B.B.A. degree.

## Internships

Students may choose to complete an internship for academic credit. Internships may only be used to fulfill elective credit and may not be used to satisfy Foundation or Business Core Requirements.

## B.A.A.S. Degree Concentration

The College of Business also offers B.A.A.S. degree concentrations in business, information systems and personal financial planning. These options are only available to students who are pursuing the B.A.A.S. degree. Additional information and descriptions of the concentrations can be found on Page 48.

## 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 include:

A. Public Accounting–Certified Public Accountant (CPA)

B. Management Accounting–Certified Management Accountant (CMA)

C. Internal Auditing–Certified Internal Auditor (CIA)

D. Certified Government Financial Manager (CGFM)

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 coursework or through the Master of Business Administration (M.B.A.) degree. Descriptions for ACCT courses begin on Page 129.

**Degree: Bachelor of Business Administration (B.B.A.)**
**Major: Accounting**

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101**.**
   **IS 151 should be taken in the first semester of attendance at ENMU.** The major in accounting requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
   **Note:** Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See advisor for details.
3. **Business Foundation Requirements (38 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
4. **Business Core Requirements (21 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
5. **International Course Requirement (3 hours).**
   ACCT 430 International Accounting (3)
   Students must complete course with a grade of "C" or higher.
6. **Accounting Major Requirements (24 hours).**

| | | |
|---|---|---|
| ACCT | 305 | Intermediate Accounting I (3) |
| ACCT | 306 | Intermediate Accounting II (3) |
| ACCT | 311 | Cost Accounting (3) |
| ACCT | 342 | Governmental and Not-for-Profit Accounting (3) |
| ACCT | 371 | Income Tax Accounting: Individual (3) |
| ACCT | 400 | Accounting Information Systems Theory (3) |
| ACCT | 422 | Auditing (3) |

   Students must also complete one upper-division (300-/400-level) ACCT elective course (3).
7. **Electives to complete a minimum of 120 hours**.

**Note:** This major does not require a minor. For the minor in accounting, see the minors section on Page 47.

## Agricultural Business

The major in agricultural business is for students who wish to pursue careers in industries that service agriculture, including those engaged in the marketing of agricultural products. Descriptions for AG courses begin on Page 129.

**Degree: Bachelor of Business Administration (B.B.A.)**
**Major: Agricultural Business**

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101.
   **IS 151 should be taken in the first semester of attendance at ENMU.** The major in agricultural business requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
   **Note:** Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See advisor for details.
3. **Business Foundation Requirements (38 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
4. **Business Core Requirements (21 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
5. **International Course Requirement (3 hours).**
   Students must complete one of the following: ACCT 430, BUS 432, ECON 407, 409, FIN 413, MGT 439, 440 or MKT 430, with a grade of "C" or higher.
6. **Agricultural Business Major Requirements (21 hours).**

| | | |
|---|---|---|
| AG | 252 | Fundamentals of Agricultural Economics (3) |
| AG | 311 | Farm Management and Records (3) |
| AG | 340 | Marketing Agricultural Products (3) |
| AG | 402 | Agricultural Policy (3) |
| ECON | 322 | Managerial Economics (3) |
| ECON | 453 | Mathematical Economics (3) |
| MGT | 475 | Leadership and Organizational Change (3) |

7. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Business Administration

The major in business administration is pursued with an emphasis in one of six areas: applied economics and finance, general business, hospitality management, information systems, marketing or personal financial planning (PFP). The particular emphasis must be declared at the same time the business administration major is declared. Several minors are also available to ENMU students. These minors are accounting, business, economics and information systems.

**Note:** Courses within the discipline may have one or more prerequisites.

**Degree: Bachelor of Business Administration (B.B.A.)**
**Major: Business Administration**

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. **IS 151 should be taken in the first semester of attendance at ENMU.** The major in business administration requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
   **Note:** Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See advisor for details.
3. **Business Foundation Requirements (38 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
4. **Business Core Requirements (21 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
5. **International Course Requirement (3 hours).**
   Students must complete one of the following: ACCT 430, BUS 432, ECON 407, 409, FIN 413, MGT 439, 440 or MKT 430, as stipulated by the emphasis, with a grade of "C" or higher.
6. **Emphasis Course Requirements (18-21 hours).**
   See specific business administration emphases below. Students must achieve a grade of "C" or higher in all courses.
7. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

### Business Administration Emphasis: Applied Economics and Finance (18 hours)

The International Course Requirement is fulfilled with either ECON 407, 409 or FIN 413.

**In addition, students must complete:**

| | | |
|---|---|---|
| ECON | 321 | Macroeconomics for Business (3) |
| ECON | 322 | Managerial Economics (3) |
| FIN | 317 | Financial Modeling (3) |
| FIN | 319 | Managerial Finance II (3) |

Students must also complete one upper-division (300-/400-level) ECON or FIN 3 credit hour course and one College of Business upper-division elective 3 credit hour course.

### Business Administration Emphasis: General Business (18 hours)

The International Course Requirement is fulfilled with ACCT 430, BUS 432, ECON 407, 409, FIN 413, MGT 439, 440 or MKT 430. Students must also complete six College of Business upper-division (300-/400-level) elective courses 18 hours with no more than 9 hours in any one discipline (i.e. ACCT, BUS, ECON, FIN, HRTM, IS, MGT, MKT or PFP).

### Business Administration Emphasis: Hospitality Management (18 hours)

The International Course Requirement is fulfilled with ACCT 430, BUS 432, ECON 407, 409, FIN 413, MGT 439, 440 or MKT 430.

**In addition, students must complete:**

| | | |
|---|---|---|
| HRTM | 305 | Lodging Management (3) |
| HRTM | 410 | Food Operations Management (3) |

Students must also complete three upper-division (300-/400-level) HRTM courses 9 hours and any one College of Business upper-division elective course 3 hours.

### Business Administration Emphasis: Information Systems (21 hours)

The International Course Requirement is fulfilled with BUS 432, MGT 439, 440 or MKT 430.

**In addition, students must complete:**

| | | |
|---|---|---|
| IS | 315 | Electronic Business Strategy, Architecture and Design (3) |
| IS | 316 | Information Systems Security (3) |
| IS | 343 | Database Management Systems (3) |
| IS | 420 | Systems Analysis and Design (3) |
| IS | 435 | Network Infrastructure Design (3) |
| IS | 440 | Server Operating Systems (3) |
| IS | 460 | Project Management (3) |

### Business Administration Emphasis: Marketing (18 hours)

The International Course Requirement is fulfilled with MKT 430.

**In addition, students must complete**:

| | | |
|---|---|---|
| MKT | 325 | Services Marketing (3) |
| MKT | 452 | Integrated Marketing Communications (3) |

Students must also complete one upper-division (300-/400-level) MKT course 3 hours and any three College of Business upper-division elective courses 9 hours.

### Business Administration Emphasis: Personal Financial Planning (21 hours)

The International Course Requirement is fulfilled with either ECON 407, 409 or FIN 413.

**In addition, students must complete**:

| | | |
|---|---|---|
| PFP | 310 | Personal Finance (3) |
| PFP | 320 | Business Risk Management and Insurance (3) |
| PFP | 330 | Investments: Principles and Policies (3) |
| PFP | 340 | Tax Planning (3) |
| PFP | 350 | Retirement Planning (3) |
| PFP | 360 | Estate Planning (3) |
| PFP | 410 | Financial Plan Development (3) |

**Note:** ENMU only issues a "Certificate of Completion" for the fulfillment of the seven above courses required before sitting for the CFP® examination. The University does not award the CFP® certification. CFP® certification is granted only by Certified Financial Planner Board of Standards, Inc. to those persons who, in addition to completing an educational requirement such as this CFP® Board Registered Program, have met its ethics, experience and examination requirements.

**For the minor in business, see the minors section on Page 47.**

## Management

**Degree: Bachelor of Business Administration (B.B.A.)**
**Major: Management**

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. **IS 151 should be taken in the first semester of attendance at ENMU.** The major in management requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

2. **General Education Requirements (38 hours), see Page 42.**
   **Note:** Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See advisor for details.
3. **Business Foundation Requirements (38 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
4. **Business Core Requirements (21 hours), see Page 44.**
   Students must achieve a grade of "C" or higher in all courses.
5. **International Course Requirement (3 hours).**
   Students must complete one of the following: BUS 432, ECON 407, 409, MGT 439, 440 or MKT 430, with a grade of "C" or higher.
6. **Management Major Course Requirements (18 hours).**
   Students must complete:

| | | |
|---|---|---|
| MGT | 314 | Human Resources Management (3) |
| MGT | 415 | Compensation Management (3) |
| MGT | 425 | Training and Development (3) |
| MGT | 435 | Supervision and Management (3) |
| MGT | 442 | Organization Theory (3) |
| MGT | 475 | Leadership and Organizational Change (3) |

   **Note:** Some of these courses may have prerequisites. Check catalog or discuss with advisor.
7. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## College of Business Minors

The total number of credit hours listed for each minor include any required course prerequisite.

## Minor: Accounting

**Note:** Students who earn a B.B.A. with a major in accounting may not also minor in accounting.

**Course Requirements (20 hours).**

| | | |
|---|---|---|
| ACCT | 201 | Introduction to Financial Accounting (3) |
| ACCT | 202 | Introduction to Managerial Accounting (3) |
| ACCT | 305 | Intermediate Accounting I (3) |
| ACCT | 311 | Cost Accounting (3) |
| STAT | 213 | Statistical Methods I (4) |

**Complete any one of the following for the mathematical requirement:**

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) |
| *MATH | 124 | Calculus (4) |
| MATH | 132 | Calculus II (4) |
| MATH | 202 | Calculus III (4) |

*May also be used to satisfy General Education Requirements.

## Minor: Business

**Note:** Students who earn a B.B.A. degree may not minor in business. This minor is for non-COB majors only.

**Course Requirements (22 hours).**

| | | |
|---|---|---|
| ACCT | 201 | Introduction to Financial Accounting (3) |
| ECON | 200 | Survey of Economics (3) |
| BUS | 230 | Business Law and Ethics I (3) |
| FIN | 201 | Principles of Finance (3) |
| MGT | 201 | Principles of Management (3) |
| MKT | 201 | Principles of Marketing (3) |

**Complete any one of the following for the mathematical requirement:**

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) |
| *MATH | 124 | Calculus (4) |
| MATH | 132 | Calculus II (4) |
| MATH | 202 | Calculus III (4) |

*May also be used to satisfy General Education Requirements.

## Minor: Economics

**Note:** Students who earn a B.B.A. with a major in business administration and an emphasis in applied economics and finance may not also minor in economics.

**Course Requirements (19 hours).**

| | | |
|---|---|---|
| ECON | 221 | Principles of Macroeconomics (3) |
| ECON | 222 | Principles of Microeconomics (3) |
| ECON | 321 | Macroeconomics for Business (3) |
| ECON | 322 | Managerial Economics (3) |

**Complete any one of the following for the mathematical requirement:**

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) |
| *MATH | 124 | Calculus (4) |
| MATH | 132 | Calculus II (4) |
| MATH | 202 | Calculus III (4) |

Students must also complete any one upper-division (300-/400-level) ECON course (3).

*May also be used to satisfy General Education Requirements.

## Minor: Information Systems

**Note:** Students who earn a B.B.A. with a major in business administration and an emphasis in information systems may not also minor in information systems.

**Course Requirements (19 hours).**

| | | |
|---|---|---|
| IS | 153 | Introduction to Information Systems (3) |
| IS | 281 | Spreadsheets and Data Analysis (3) |
| IS | 315 | Electronic Business Strategy, Architecture and Design (3) |
| IS | 316 | Information Systems Security (3) |
| STAT | 213 | Statistical Methods I (4) (prerequisite for IS 281) |

**Elective courses, any one of the following (3 hours):**

| | | |
|---|---|---|
| IS | 241 | Introduction to Web Development (3) |
| IS | 343 | Database Management Systems (3) |
| IS | 420 | Systems Analysis and Design (3) |
| IS | 430 | Advanced Web Development (3) |
| IS | 435 | Network Infrastructure Design (3) |
| IS | 460 | Project Management (3) |

## B.A.A.S. Secondary Concentration: Business

**Note:** This concentration is only available for students earning the B.A.A.S. degree with a major in applied arts and sciences.

**Business Course Requirements (37 hours).**

| | | |
|---|---|---|
| ACCT | 201 | Introduction to Financial Accounting (3) |
| BUS | 230 | Business Law and Ethics I (3) |
| ECON | 200 | Survey of Economics (3) |
| FIN | 201 | Principles of Finance (3) |
| MGT | 201 | Principles of Management (3) |
| MKT | 201 | Principles of Marketing (3) |

**And complete any one of the following for the prerequisite math requirement of FIN 201:**

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) MATH 1113 |
| *MATH | 124 | Calculus I (4) MATH 1614 |
| MATH | 132 | Calculus II (4) MATH 1624 |
| MATH | 202 | Calculus III (4) MATH 2614 |

Students must also complete any five upper-division (300-/400-level) College of Business elective courses (15). Fifteen (15) hours of the 37 hours must be upper division.

**Note:** Each of these courses may require prerequisites. Check catalog or discuss with advisor.

*May also be used to satisfy General Education Requirements.

## B.A.A.S. Secondary Concentration: Information Systems

**Note:** This concentration is only available for students earning the B.A.A.S. degree with a major in applied arts and sciences.

**Information Systems Course Requirements (25 hours).**

| | | |
|---|---|---|
| IS | 241 | Introduction to Web Development (3) |
| IS | 281 | Spreadsheets and Data Analysis (3) |
| IS | 301 | Information Systems for Managers (3) |
| IS | 315 | Electronic Business Strategy, Architecture and Design (3) |
| IS | 316 | Information Systems Security (3) |
| IS | 460 | Project Management (3) |
| *STAT | 213 | Statistical Methods I (4) (prerequisite for IS 281) |

Students must also complete any one upper-division (300-/400-level) College of Business elective course (3). Fifteen (15) hours of the 25 hours must be upper-division.

**Note:** Each of these courses may require prerequisites. Check catalog or discuss with advisor.

*May also be used to satisfy General Education Requirements.

## B.A.A.S. Secondary Concentration: Personal Financial Planning (PFP)

**Note:** This concentration is only available for students earning the B.A.A.S. degree with a major in applied arts and sciences. Students may complete the concentration in PFP in order to sit for the CFP® examination.

**PFP Course Requirements (38 hours).**

| | | |
|---|---|---|
| ACCT | 201 | Introduction to Financial Accounting (3) (prerequisite for PFP 340) |
| BUS | 230 | Business Law and Ethics I (3) (prerequisite for PFP 350 and 360) |
| FIN | 201 | Principles of Finance (3) (prerequisite for PFP 320 and 330) |
| MATH | 119 | College Algebra (4) (prerequisite for PFP 320 and 330) |
| *STAT | 213 | Statistical Methods I (4) (prerequisite for PFP 320 and 330) |
| PFP | 310 | Personal Finance (3) |
| PFP | 320 | Business Risk Management and Insurance (3) |
| PFP | 330 | Investments: Principles and Policies (3) |
| PFP | 340 | Tax Planning (3) |
| PFP | 350 | Retirement Planning (3) |
| PFP | 360 | Estate Planning (3) |
| PFP | 410 | Financial Plan Development (3) |

*May also be used to satisfy General Education Requirements.

**Note:** ENMU only issues a "Certificate of Completion" for fulfillment of the seven above PFP courses required before sitting for the CFP® examination. The University does not award the CFP® certification. CFP® certification is granted only by Certified Financial Planner Board of Standards, Inc. to those persons who, in addition to completing an educational requirement such as his CFP® Board Registered Program, have met its ethics, experience and examination requirements.

## Certificate Program in Personal Financial Planning (PFP)

Any individual may complete the certificate program in PFP in order to sit for the CFP® examination. However, current B.B.A. students may only complete this program as an emphasis area, see Page 46. Prior to admittance into the certificate program, students must a) provide proof of attainment of a bachelor's degree and b) complete all five program entry prerequisite courses: ACCT 201, BUS 230, FIN 201, MATH 119 and STAT 213 if any or all of these courses were not part of their previous study. Prospective students should consult with the program coordinator to determine the appropriate procedure for meeting these requirements. The list below is not intended to be all-inclusive, but rather a sample of alternative methods to meet the requirements of program-entry prerequisite courses. Students may:

1. Enroll in and complete the program-entry prerequisite course(s) needed at ENMU or another institution of higher learning with a grade of "C" or higher.
2. Receive a minimum score of 70% on the proficiency exam for the course(s) offered by educational software that is equivalent to program-entry prerequisite course(s) needed. Students should consult with the program coordinator to determine acceptable educational software and appropriate course equivalence.

All required courses must be completed with a grade of "C" or higher. Professional students enrolled in the certificate program in PFP may not be eligible for financial aid.

**The Certificate Program in PFP requires completion of the following courses (21 credit hours):**

| | | |
|---|---|---|
| PFP | 310 | Personal Finance (3) |
| PFP | 320 | Business Risk Management and Insurance (3) |
| PFP | 330 | Investments: Principles and Policies (3) |
| PFP | 340 | Tax Planning (3) |
| PFP | 350 | Retirement Planning (3) |
| PFP | 360 | Estate Planning (3) |
| PFP | 410 | Financial Plan Development (3) |

**Note:** ENMU only issues a "Certificate of Completion" for the fulfillment of the seven above courses required before sitting for the CFP® examination. The University does not award the CFP® certification. CFP® certification is granted by Certified Financial Planner Board of Standards, Inc. to those persons who, in addition to completing an educational requirement such as this CFP® Board Registered Program, have met its ethics, experience and examination requirements.

# College of Education and Technology

The College of Education and Technology is committed to serving the educational needs of New Mexico, the region and the nation. The college prepares individuals to assume roles in education, family and consumer sciences, agriculture, health and physical education, career and technical education and interdisciplinary programs. The college prepares students to, function effectively in a pluralistic society by developing an awareness, understanding and appreciation for diversity. Programs of study within the college prepare students to be licensed as teachers in New Mexico and for any variety of professional careers.

In addition to the undergraduate degrees of Bachelor of Arts (B.A.) and Bachelor of Science (B.S.), the College of Education and Technology awards the Bachelor of Science in Education (B.S.E.), the Bachelor of Arts in Education (B.A.E.) and the Bachelor of Occupational Education (B.O.E.). These degrees are designated as teacher preparation programs and require candidates fulfill all requirements for teacher licensure and endorsement as mandated by the state of New Mexico. Additionally, B.A.E. candidates must fulfill all requirements for the Bachelor of Arts (B.A.) degree found on Page 38.

The college awards the Bachelor of University Studies (B.U.S.) and Bachelor of Applied Arts and Sciences (B.A.A.S.) degrees that provide students the opportunity for interdisciplinary studies. The college also awards Associate of Arts (A.A.) degrees in select fields.

## College of Education and Technology Programs and Degrees Offered

| | B.A.A.S. Concentration | Minor | Major | Emphasis | Endorsement Area for Licensure | Degree |
|---|---|---|---|---|---|---|
| **Department of Curriculum and Instruction** | | | | | | |
| Bilingual Education | | | | | * | |
| Elementary Education/ Special Education | | | * | | | B.A.E., B.S.E. |
| English as a Second Language | | | | | * | |
| Language Arts | | | | | * | |
| Reading | | | | | * | |
| **Department of Educational Studies** | | | | | | |
| Language Arts | | | | | * | |
| Secondary Education | | | | | | |
| Elementary Education/ Special Education | | | * | | | B.A.E., B.S.E. |
| **Department of Family and Consumer Sciences and Agriculture** | | | | | | |
| Agriculture | | * | * | | * | A.A. |
| Agricultural Sciences | | | * | | | B.S. |
| Agricultural Education | | | * | | | B.S. |
| Animal and Dairy Science | | | * | | | B.S. |
| Pre-Veterinary | | | | * | | |
| Production and Management | | | | * | | |
| Career and Technical Education | | | * | | | B.O.E. |
| Early Care and Education | | | * | | | A.A. |
| Early Childhood Education | | * | * | | | B.S. |
| Birth to PreK (licensure) | | | | * | | |
| Birth to PreK (non-licensure) | | | | * | | |
| Family, Infant and Toddler Studies (non-licensure) | | | | * | | |
| PreK to Grade 3 (licensure) | | | | * | | |
| Family and Consumer Sciences | | * | * | | | A.A., B.S. |
| Family and Consumer Sciences Composite | | | * | | | B.S. |
| Culinary Arts | | * | * | * | | A.A. |
| Human Services | | | | * | | |
| Nutrition | | * | | | | |
| **Department of Health and Physical Education** | | | | | | |
| Athletic Training | | * | | | | |
| Coaching | | * | | | | |
| Health Education | | * | | | * | |
| Physical Education | | | * | | * | B.S. |
| Health and Wellness | | | | * | | |
| Sports and Recreation Management | | | | * | | |
| Teaching Physical Education | | | | * | | |
| Recreation | | | * | | | A.A. |
| Sports Management | | * | | | | |
| **Interdisciplinary Programs** | | | | | | |
| Applied Arts and Sciences | | | * | | | B.A.A.S |
| Animal Science | * | | | | | |
| Career and Technical Education | * | | | | | |
| Criminal Justice/ Sociology | * | | | | | |
| Culinary Arts | * | | | | | |
| Diverse Populations and Age Groups | * | | | | | |
| Electronics Engineering Technology | * | | | | | |
| Emergency Management | * | | | | | |
| Family and Consumer Sciences | * | | | | | |
| FCS Food and Nutrition | * | | | | | |
| Fire and Emergency Services Administration | * | | | | | |
| Human and Social Sciences | * | | | | | |
| IS and Programming Design | * | | | | | |
| Liberal Arts | * | | | | | |
| Pre-Professional Education | * | | | | | |
| Religion | * | | | | | |
| Science | * | | | | | |
| University Studies | | | * | | | B.U.S. |

# 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 (TEP) is fully accredited by the Council for Accreditation of Educator Preparation (CAEP) and prepares its graduates for careers across the field of education. The programs offered by the Teacher Education Program are based on a conceptual framework that aligns **T**heory and **R**esearch for **E**ffective **P**ractices, and a **C**ommitment to learning (TREC). TREC represents a shared journey towards excellence by members of a community of lifelong learners.

Courses are offered in the following areas: bilingual education or English as a second language (BLED), curriculum and instruction (CI), education administration (EDAD), education foundations (EDF), early childhood education (ECE), elementary education (ELED), reading education (RED), secondary education (SED) and special education (SPED). Descriptions of undergraduate courses appear in the back of this catalog; 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 30. The requirements of some programs at ENMU may 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. 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. The student should meet with their advisor in advance of registration each semester to have advising holds lifted. Additionally, students seeking licensure to teach in New Mexico must be aware of licensure requirements, as NM Public Education Department requirements for licensure may 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 a decision affecting their status in the Teacher Education Program if the student believes that a decision was made arbitrarily, reflected some penalty for actions involving the freedom of written or spoken classroom expression, or involved a breach of federal or state constitutional protections, federal laws, state statutes, or ENMU policies. The burden of proof shall be on the student. The process for appeals may be obtained from the Teacher Education Office, Room 152 in the Education Building.

## Grade Review

Grade review follows a process different from that of appeals. The process for grade review is available in the ENMU Student Handbook.

## Learning Outcomes Assessment

The Teacher Education Program (TEP) employs Tk20™ as a learning outcomes assessment management system. This is a comprehensive data management and portfolio system that allows students to be active participants in their TREC experience including course instruction with signature assessments, learning outcomes assessment and career portfolio management. The system assists the TEP in efficiently accounting for programmatic and student learning outcomes and proficiencies to external accreditation bodies including CAEP and NM Public Education Department. Most importantly, it enables ENMU to communicate the quality and consistency of our teacher educator preparation programs to our K-12 constituents. Acourse fee in EDF 222 or SPED 203 covers the cost of the Tk20™ system for students taking those courses at ENMU; transfer students will pay the $110 fee directly to the ENMU cashier's office when they have been admitted to the Teacher Education Program.

## Teacher Education Preparation Programs: Early Childhood, Blended Degree (SPLED: Special Education and Elementary Education), Secondary Education

Students preparing to be educators at ENMU pass through three gateways during their program of study. These three gateways are listed below with each of their requirements. A visual representation of the process follows this section.

### Gateway I: Foundations of Teaching Courses

Students apply for Gateway I status during their third semester. In that semester, students in the blended degree program (SPLED: special education and elementary education) and the secondary education program (SED) should be concurrently enrolled in EDF 222 Structured Observations of Teaching and SPED 300 Introduction to Special Education. Students in the early childhood education program should be concurrently enrolled in FCS 221 Child Growth, Development and Learning and SPED 203 Assessment of Children and Evaluation of Programs. In EDF 222 and FCS 221 students learn more about the three gateways and the requirements for each as well as the teacher preparation exams that are required in New Mexico.

The following are the minimum requirements that must be met to apply for Gateway I:

1. Completion of 30 semester hours of General Education coursework (see Page 53, "Teaching Degree General Education Requirements").
2. Earned cumulative GPA of at least 2.80 in all coursework taken. **Note:** To achieve Gateway II, a 3.0 cumulative GPA is required; this means that each grade of "C" must be offset by a grade of "A" in a course of equal number of credit hours.
3. SPLED majors must complete SPED 300 with a grade of "B" or higher.
4. SPLED majors and SED minors must complete EDF 222 with a grade of "B" or higher.
5. Gateway I acceptance remains conditional until all final grades are posted.

Students may not take the next block of classes until Gateway I status is achieved. Achieving Gateway I status unlocks the ability to take BLED 350, EDF 301, RED 350 (SPLED only), ECE 265 and 280.

### Gateway II: Professional Teacher Education Courses

Upon completing the majority of coursework available with Gateway I status, students may apply for Gateway II. Achieving Gateway II status II unlocks the remainder of the coursework included in the professional teacher education portion of the program (with the exception of the student teaching courses of Gateway III).

The following are the minimum requirements that must be met to achieve admission II status:

1. Completion of 45 semester hours of General Education coursework (see Page 53, "Teaching Degree General Education Requirements").
2. Earned cumulative GPA of at least 3.00 in all coursework taken
3. Passing scores on each of the stubtests of the NES Essential Academic Skills exam

4. Completion of two Foundations of Teaching courses with a grade of "B" or higher

Students will need to pass all remaining state-mandated exams prior to seeking admission II. Students are also reminded that a 3.00 GPA must be maintained for admission III.

**Gateway III: Capstone Experience (Student Teaching)**
Gateway III achievement allows the student to progress to the capstone experience for all teacher education programs. While this experience has been traditionally referred to as "student teaching" in the reality of today's educational environment the term "teacher candidacy" is more appropriate. School districts demand much more of teacher candidates than they have in the past. Teacher candidates are four months away from being fully licensed teachers; as such, they are expected to arrive in the schools with an arsenal of skills and capabilities that more closely approximate those of a teacher who has had a year or so of experience. Schools throughout the Southwest and beyond depend on ENMU to provide teacher candidates (student teachers) who can serve as **co-teachers** in advancing the capabilities and performances of K-12 students. One of the assurances tacitly provided to districts that ENMU teacher candidates are fully prepared to assume responsibilities in classrooms as a co-teacher is that each candidate has passed every exam required for licensure in New Mexico. The skills, knowledge and dispositions required for successful passage of these exams are embedded in undergraduate teacher education program coursework and field experiences. These exams demonstrate that students have the requisite general knowledge, content knowledge and pedagogical knowledge that ideally indicate success in the classroom as a teacher and in working to assure K-12 student achievement. **Exceptions will not be made for students who fail to present passing scores on required exams at the admission III gateway.**

The following are the criteria that must be met to achieve Gateway III status:

1. Completion by secondary teacher candidates of all requirements for the major and minor. Blended SPLED program teacher candidates must complete all course requirements for the major and endorsements.
2. No other coursework should be taken concurrent with student teaching. Students who find themselves in need of taking another course while student teaching must file an appeal with the Teacher Education Office
3. Agreement that no other employment will be assumed during student teaching. Students who find themselves in need of an exception to this must file an appeal with the Teacher Education Office
4. A minimum of 96 semester hours completed with a cumulative GPA of 3.00
5. A 3.00 GPA in the major teaching field.
6. A 3.00 GPA in each additional teaching field or endorsement area.
7. All credit hours earned in any teaching field in which the applicant is seeking licensure must have a grade of "C" or higher.
8. A minimum grade of "C" or higher as specified in degree descriptions must be earned in all professional education and methods courses (unless otherwise specified).
9. The student must have passed each of the tests required for licensure by the New Mexico Public Education Department. Dependent on licensure sought these include the Essential Academic Skills (required for Gateway II), Assessment of Professional Knowledge, Essential Components of Elementary Reading Instruction (SPLED only), NM Assessment of Teacher Competency (Early Childhood only), Content Knowledge Assessment, etc. Blended degree (SPLED) majors must pass at least one of the content exams (Elementary or Special Education) as well as the NES Essential Components of Elementary Reading Instruction test (required for elementary education in the state of New Mexico) prior to applying for Gateway III. Please note that to obtain a license in both elementary and special education, the student will need to pass both exams before applying for the corresponding license. ENMU has no control over the exams required and the NM Public Education Department may change the required exams at any time. Students may find the list of exams currently required at **nmta.nesinc.com**.

## Background Checks

In a course requiring any field experiences, the district in which a student is placed will require a criminal background check (CBC). The exact process varies by district and a student may expect to pay for more than one as they progress through their coursework. The cost of the CBC varies by placement.

## Transfer Students

Students transferring to Eastern New Mexico University who wish to be licensed to teach in New Mexico must fulfill the requirements for Gateway I to be accepted into the Teacher Education Program. The Teacher Education Program will accept no more than six semester hours of comparable professional education coursework 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.

## 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 may select from either the post baccalaureate or alternative licensure options.

In the post baccalaureate option courses are taken at the undergraduate level and parallel the professional coursework required of an ENMU undergraduate teacher education student. Students must complete all courses, meet all deadlines and satisfy all requirements of the program (early childhood education, elementary/special education or secondary education) they wish to enter. Degree-holding students who are seeking New Mexico licensure via the post baccalaureate option are responsible for consulting with an advisor in the appropriate program in the Teacher Education Program before enrolling in courses.

Alternative licensure coursework is taken at the graduate level and, for students with a college degree, is available in the licensure areas of elementary education, secondary education and special education. Interested individuals should consult the graduate catalog and visit with an advisor.

## New Mexico Teaching Licensure

The information pertinent to New Mexico teaching licensure in this catalog is subject to change as the NM Public Education Department guidelines are updated, interpreted and implemented. Students must pass all appropriate state mandated licensure exams to become licensed in New Mexico. For more information contact Public Education Department, Professional Licensure Unit, Education Building, 300 Don Gaspar, Santa Fe, NM 87501-2786, phone 505.827.6581. For information concerning the NMTA and NES required exams, please visit **nmta.nesinc.com**.

The NMPED requires applicants for teaching licenses to pass the NES Essential Academic Skills (Subtests I, II and III), NES Assessment of Professional Knowledge (elementary and secondary), NMTA Assessment of Teacher Competency (early childhood), the

appropriate Content Knowledge and the NES Essential Component of Elementary Reading Instruction (Blended degree–SPLED only). The ENMU pass rate on the New Mexico Teacher Assessment can be found at **enmu.edu**.

The TEP requires the following tests and students must budget time and money to take these exams prior to seeking admission II and III as follows:

**Admission II: Students must present passing scores on all three subtests of the** NES Essential Academic Skills exam

**Admission III: Students must present passing scores on the following exams appropriate to licensure sought**

1. NES Assessment of Professional Knowledge (Blended degree SPLED and secondary)
2. NES Essential Components of Elementary Reading Instruction (Blended degree–SPLED only)
3. Content Knowledge Assessment (Blended degree SPLED and secondary)
4. NMTA Assessment of Teacher Competency (early childhood)
5. Additional tests may be required as state licensure requirements change

**Teacher Education Program Gateway Process at ENMU**

| | 1st Semester | 2nd Semester | 3rd Semester | Gateway I: Foundations of Teaching | Gateway I Status Achieved<br>Foundations of Teaching Coursework | Gateway II: Professional Teacher Education Coursework | Gateway II Status Achieved<br>Professional Teacher Education Coursework | Gateway II: Capstone Experience - Student Teaching | Gateway III Status Achieved<br>Capstone Experience: Student Teaching |
|---|---|---|---|---|---|---|---|---|---|
| **SPLED & SED** Coursework | ENG 102<br>EDF 110 | ENG 104 | EDF 222<br>SPED 300 | | BLED 350<br>EDF 301<br>RED 350 (SPLED only) | | Complete all remaining Professional Coursework for specific Teacher Education Program | | Student Teaching |
| **ECE** Coursework | ENG 102<br>ECE 220<br>EDF 110 (rec'd) | ENG 104<br>ECE 107 | FCS 221<br>SPED 203 | | ECE 265<br>ECE 280 | | | | |
| **Required cumulative GPA** | | | GPA 2.8 - 3.0 | | GPA 3.0 is attained | | GPA 3.0 is maintained | | |
| **Exams required for next Gateway** | | | None | | Essential Academic Skills (Subtests I, II and III) | | 1. Professional Knowledge<br>2. Content Knowledge<br>3. Elementary Reading Instruction (SPLED only) | | |
| **Required Student Actions** | | | Gateway I application through TK20<br><br>Meet all Gateway I requirements | | Gateway II application through TK20<br><br>Meet all Gateway II requirements | | Gateway III application through TK20<br><br>Meet all Gateway III requirements | | |

## Teaching Degree General Education Requirements (55-58 hours)

### Course Requirements

I. English ..... 12 hours
*ENG 102 ..... 3 hours
*ENG 104 ..... 3 hours
***Note:** Grade of "C" or higher required for satisfactory completion.
EDF 110 ..... 3 hours
Any **one** from: ENG 211, 221, 222 ..... 3 hours
Elementary/Special Education majors with a BLED minor may take ENG 376

II. History ..... 12 hours
HIST 101 **OR** 102 ..... 3 hours
HIST 121 **OR** 122 ..... 3 hours
HIST 203 ..... 3 hours
Any **one** from: HIST 101, 102, 121, 122 ..... 3 hours
**Note:** No course may be counted more than once.

III. Mathematics ..... 6-9 hours
ECE Birth-PreK licensure requires 6 hours from: MATH 113, 119, 261, STAT 213
ECE PreK-Grade 3 licensure requires 9 hours from: MATH 113, 119, 261, STAT 213.
ELED/SPED requires 9 hours of math: MATH 261, 262, and 345.
SED requires 6 hours of math from: MATH 113, 119, 261; STAT 213.

IV. Government, Economics or Sociology ..... 6 hours
PSY 201 is required for ELED/SPED and ECE ..... 3 hours
PSY 202 is required for SED
Any **one** from: PSCI 101, 102; ECON 221, 222; GEOG 233; SOC 101, 212, 215; ANTH 233, 243 ..... 3 hours
*No more than **one** Psychology course may be counted.

V. Science ..... 12 hours
**Note:** All three science courses must include a 1-credit-hour laboratory to meet licensure requirements.
Life Science ..... 4 hours
Physical Science ..... 4 hours
Life Science or Physical Science ..... 4 hours

VI. Fine Arts ..... 6 hours
ART 101, 131, 135, 165, 166, 210, 231, 271; DNC 101, 210; MUS 101, 113, 163, 241, Music Ensembles; THTR 111.
**Note: Two** areas must be represented.

VII. Physical Education ..... 1 hour
Activity Elective ..... 1 hour

### Total Teacher General Education Requirements ..... 55-58 hours

## Career Services and Follow-Up

The Office of Counseling and 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 teacher candidate semester, the director of Counseling and Career Services registers students during a large group seminar.

**Subject Matter/Endorsement Areas**

| | Majors | | Endorsement Areas | | |
|---|---|---|---|---|---|
| | Elementary/SPED Education | Secondary and K-12 | Elementary/SPED Education | Secondary and K-12 | Early Childhood |
| Agriculture | | | | * | |
| Agricultural Education | | * | | | |
| Biology | | * | | | |
| Bilingual Education | | | * | * | |
| Career and Technical Education* | | | | | |
| Chemistry | | * | | | |
| Elementary Education/ Special Education | * | | | | |
| English | | * | | * | |
| English as a Second Language | | | * | * | * |
| General Science | | | * | | |
| Health Education | | | * | * | |
| Language Arts | | | * | | |
| Mathematics | | * | * | * | |
| Music Education | | * | | | |
| Natural Science** | | | | | |
| Performing Arts | | | * | | |
| Physical Education | | * | * | * | |
| Reading | | | * | | |
| Social Studies | | * | * | | |
| Spanish | | * | * | * | |
| Visual Arts | | | * | | |

*Early childhood education and career and technical education are available as majors. No endorsement is required for them.

**Teaching of natural science is not an endorsement area but a minor required for science majors with teaching endorsements.

# Department of Curriculum and Instruction

**Professors:** Jerry Everhart
Jerry Harmon
Patricia Whitney
**Associate Professors:** Mary A. Daughrity
Mary K. Kallus
Kathleen Pittman
Romelia Hurtado de Vivas
**Assistant Professor:** Mark Viner
**Instructors:** Eugenia Flores
Jayne Flores

## Degree: Bachelor of Arts in Education (B.A.E.), or Bachelor of Science in Education (B.S.E.)
## Major: Elementary Education/ Special Education
## Licensure: Elementary (K-8) and Special Education (preK-12)

**Note:** GPA of 3.00 is required.

**Note:** All Elementary/Special Education majors are required to complete a minimum of 3 hours of a second language.

1. **Bachelor's Degree Requirements, see Pages 38, 39.**
   **Note:** Students must successfully complete UNIV 101. B.A.E. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A.E. and B.S.E. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teaching Degree General Education Requirements (55-58 hours), see Page 53.**
3. **Prerequisite courses for admittance into the TEP and Professional Education courses. Must be completed with a grade of "C" or higher unless otherwise noted (57 hours).**

   **The Foundations of Teaching (may be taken prior to admission to Gateway I)**

   | | | |
   |---|---|---|
   | EDF | 110 | Communication for Educators (3) |
   | EDF | 222/L | Structured Observations of Teaching and Learning (3) |
   | SPED | 300 | Introduction to Special Education (3) (must be completed with a grade of "B" or higher) |

   **Environmental Knowledge for Teachers (must be admitted to Gateway I and completed prior to Gateway II)**

   | | | |
   |---|---|---|
   | BLED | 350 | Cultural and Linguistic Pluralism (3) |
   | EDF | 301 | Foundations of Education and Learning (3) |
   | RED | 350 | Teaching and Learning Reading and Writing I (3) |

   **Methodology and Professional Education Requirements (requires admission to Gateway II and completed prior to Gateway III)**

   | | | |
   |---|---|---|
   | EDF | 309 | Technology for the Classroom (3) |

   **Inclusive Classroom Strategies for Teachers**

   | | | |
   |---|---|---|
   | SPED | 320 | Planning/Assessment for the Inclusive Classroom (3) |
   | SPED | 328 | Classroom/Behavior Management: Exceptional Individuals/Inclusive Environments (3) |
   | BLED | 490 | ESL Strategies in Content Areas (3) |

   **Literacy for Student Learning**

   | | | |
   |---|---|---|
   | RED | 375 | Teaching and Learning Reading and Writing II (3) |

   **Integrated Methods for Student Learning**

   | | | |
   |---|---|---|
   | ELED | 405 | Literacy/Social Studies Methods for Diverse/Inclusive Classrooms (6) |
   | ELED | 406 | Science/Mathematics Methods for Diverse/Inclusive Classrooms (6) |

   **Capstone Clinical Experience for Student Learning (requires admission to Gateway III)**

   | | | |
   |---|---|---|
   | ELED | 460 | Student Teaching: Elementary (6) |
   | SPED | 445 | Student Teaching: Special Education (6) |

4. **Subject Matter/Endorsement Area/Minor (24 hours).**
   See Page 53 for minors offering coursework leading to **endorsement with Elementary and/or Special Education licensure** in the State of New Mexico.
5. **This program requires about 139 hours.**

Students may also select a minor in early childhood education, see Page 64. This is not an approved New Mexico endorsement area. In addition students must select an endorsement area from the approved 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/Special Education

**Note:** GPA of 3.00 is required in the endorsement area.

1. **Students may graduate with a bilingual education minor but will not be eligible for endorsement by the NMPED until a passing score on the Prueba de Español is achieved.**
   **Note:** At least 12 hours of coursework 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.
2. **Course Requirements (24 hours).**

   | | | |
   |---|---|---|
   | 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 | 490 | ESL Strategies in Content Areas |
   | SPAN | 311 | Advanced Conversation and Composition (3) |
   | SPAN | 325 | Peninsular Culture and Civilization (3) **OR** |
   | SPAN | 326 | Latin American Culture and Civilization (3) |

   **Students must also complete 6 hours of electives taught in Spanish.**

   **Select from the following:**

   | | | |
   |---|---|---|
   | SPAN | 331 | Survey of Latin American Literature (3) |
   | SPAN | 332 | Survey of Latin American Literature (3) |
   | SPAN | 351 | Survey of Peninsular Literature (3) |
   | SPAN | 352 | Survey of Peninsular Literature (3) |
   | SPAN | 492 | Seminar in Spanish Studies (3) |
   | SPAN | 493 | Topics in Spanish (3) provided this class is literature or culture |
   | *SPAN | 325 | Peninsular Culture and Civilization (3) **OR** |
   | *SPAN | 326 | Latin American Culture and Civilization (3) |

   *Whichever not taken above

   **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
## Licensure: Elementary/Special Education, Secondary Education and Early Childhood

**Note:** GPA of 3.00 is required in the endorsement area. Students will be required to complete a minimum of 6 hours in a language other than English with a grade of "C" or higher in each course.

**1. Course Requirements (18 hours).**

| | | |
|---|---|---|
| BLED | 201 | Introduction to Bilingual Education (3) |
| BLED | 380 | ESL Methods and Materials (3) |
| RED/BLED | 438 | Language Arts and ESL (3) |
| BLED | 440 | Linguistics for Educators (3) |
| BLED | 490 | ESL Strategies in Content Areas (3) |
| ENG | 376 | Chicano Literature (3) **OR** |
| ENG | 413 | Literature of the Southwest (3) |

**2. Early Childhood Education Requirements (6 hours).**

| | | |
|---|---|---|
| BLED | 473 | Family, Language and Culture (3) |
| RED | 350 | Teaching and Learning Reading and Writing I (3) |

**3. Elementary/Special Education and Secondary Education Licensure students must take (6 hours).**

| | | |
|---|---|---|
| RED | 350 | Teaching and Learning Reading and Writing I (3) |
| RED | 495 | Secondary Education Content Area Literacy and Strategies (3) |

## Subject Matter/Endorsement
## Area/Minor: Language Arts
## Licensure: Elementary/Special Education

**Note:** GPA of 3.00 is required in the endorsement area.

**1. Required courses for licensure.**

| | | |
|---|---|---|
| RED | 316 | Literacy through Children's and Adolescent Literature (3) |
| RED | 320 | Writing Centered Classrooms (3) |
| RED | 350 | Teaching and Learning Reading and Writing I (3) |
| RED | 375 | Teaching and Learning Reading and Writing II (3) |

**2. General Education hours.**

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:

**Three hours from communication or theatre selected from the following:**

| | | |
|---|---|---|
| COMM | 101 | Interpersonal Communication (3) |
| COMM | 102 | Public Speaking (3) |
| COMM | 331 | Intercultural Communication (3) |
| COMM | 380 | Nonverbal Communication (3) |
| EDF | 110 | Communication for Educators (3) |
| THTR | 121 | Beginning Acting (3) |

**Three hours of writing courses selected from the following:**

| | | |
|---|---|---|
| ENG | 325 | Professional and Technical Writing (3) |
| ENG | 401 | Creative Non-Fiction (3) |

**Six hours from literature:**

| | | |
|---|---|---|
| ENG | 211 | Introduction to Literature (3) **OR** |
| ENG | 376 | Chicano Literature (3) |

**One 200-level survey course from 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) |

## Subject Matter/Endorsement
## Area/Minor: Reading
## Licensure: Elementary/Special Education

**Note:** GPA of 3.00 is required in the endorsement area.

To qualify for a New Mexico endorsement in reading, **24 hours** are required with the RED prefix (cannot include developmental reading courses).

**Select from the following:**

| | | |
|---|---|---|
| RED | 316 | Literacy through Children's and Adolescent Literature (3) |
| RED | 320 | Writing Centered Classrooms (3) |
| RED | 350 | Teaching and Learning Reading and Writing I (3) |
| RED | 375 | Teaching and Learning Reading and Writing II (3) |
| RED/BLED | 438 | Language Arts and ESL (3) |
| RED | 471 | Literacy Assessment and Data-Driven Instruction (3) |
| RED | 493 | Topics in Reading (1-3) |
| RED | 495 | Secondary Education Content Area Literacy and Strategies (3) |
| RED | 496 | Elementary Education Content Area Literacy and Strategies (3) |

# Department of Educational Studies

**Professors:** Alan W. Garrett
Kathie Good
Janet Roehl
Michael F. Shaughnessy
**Associate Professors:** Rebecca Davis
Charles Waggoner
Robin A. Wells
**Assistant Professors:** Shinwha Lee
Kathleen Wagner
**Instructor:** Yetta Massey

## Licensure: Secondary and K-12

Students desiring to teach at the secondary level, grades 7-12, pursue degrees in a major field. The TEP **does not** grant secondary education degrees. The TEP **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. **Institutional Requirements and Teaching General Education Requirements.**
   Students seeking NMPED 7-12 licensure must fulfill the bachelor's degree requirements of their major (Page 38 and the corresponding pages for selected major) and Teaching General Education Requirements as stated on Page 53.
2. **Teaching Degree General Education Requirements (55-58 hours), see Page 53.**
3. **Teaching Content Area (Major).**
   **Note:** GPA of 3.00 is required in the major.
   See Page 53, for majors offering coursework leading to secondary licensure.
4. **Professional Education Requirements (39 hours).**
   Students must complete the following courses in numbered sequence with a grade of "C" or higher.

**Prior TEP admission to Gateway I**

| | | |
|---|---|---|
| EDF | 110 | Communication for Educators (3) |
| EDF | 222/L | Structured Observations of Teaching and Learning (3) |

**The Foundations of Teaching; Prior to TEP admission to Gateway II**

| | | |
|---|---|---|
| BLED | 350 | Cultural and Linguistic Pluralism (3) |
| EDF | 301 | Foundations of Education and Learning (3) |
| SPED | 300 | Introduction to Special Education (3) |

**Professional coursework for TEP prior to admission Gateway III. Admittance into the Teacher Education Program is required prior to enrolling in the professional teaching core.**

| | | |
|---|---|---|
| EDF | 309 | Technology for the Classroom (3) |
| SED | 402 | Effective Teaching and Learning in Secondary Education (3) |
| SED | 405 | Classroom Management, Discipline and Issues in Secondary Education (3) |
| RED | 495 | Secondary Education Literacy and Strategies (3) |

**Student Teaching**

| | | |
|---|---|---|
| SED | 450 | Secondary Education Student Teaching Seminar (2) |
| SED | 460 | Secondary Education Student Teaching (10) |

5. **Optional Subject Endorsement (24 hours).**
   Students seeking a secondary teaching license are encouraged to have an additional subject matter endorsement. The content major serves as the first subject matter endorsement. See Page 54 for programs offering coursework leading to endorsement with secondary licensure in New Mexico.
6. **Electives to complete the NMPED approved degree.**

The number of hours required for this program depends on the major selected. Please refer to the requirements of the major selected for more information.

## Degree: Bachelor of Arts in Education (B.A.E.), or Bachelor of Science in Education (B.S.E.)
## Major: Elementary Education/ Special Education
## Licensure: Elementary (K-8) and Special Education (K-12)

**Note:** GPA of 3.00 is required.

**Note:** All elementary/special education majors are required to complete a minimum of 6 hours minimum of a second language. The 6-8 hours must be in the same language SPAN 101 and 102 are recommended.

1. **Bachelor's Degree Requirements, see Pages 38, 39.**
   **Note:** Students must successfully complete UNIV 101. B.A.E. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A.E. and B.S.E. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teaching Degree General Education Requirements (55-58 hours), see Page 53.**
3. **Prerequisite courses for admittance into the TEP and Professional Education courses. Must be completed with a grade of "C" or higher unless otherwise noted (57 hours).**

**The Foundations of Teaching (may be taken prior to admission to Gateway I )**

| | | |
|---|---|---|
| EDF | 110 | Communication for Educators (3) |
| EDF | 222/L | Structured Observations of Teaching and Learning (3) |
| SPED | 300 | Introduction to Special Education (3) |

**Environmental Knowledge for Teachers (must be admitted to Gateway I and completed prior to Gateway II)**

| | | |
|---|---|---|
| BLED | 350 | Cultural and Linguistic Pluralism (3) |
| EDF | 301 | Foundations of Education and Learning (3) |
| RED | 350 | Teaching and Learning Reading and Writing I (3) |

**Methodology and Professional Education Requirements (requires admission to Gateway II and completed prior to Gateway III)**

| | | |
|---|---|---|
| EDF | 309 | Technology for the Classroom (3) |

**Inclusive Classroom Strategies for Teachers**

| | | |
|---|---|---|
| SPED | 320 | Planning/Assessment for the Inclusive Classroom (3) |
| SPED | 328 | Classroom/Behavior Management: Exceptional Individuals/Inclusive Environments (3) |
| BLED | 490 | ESL Strategies in Content Area (3) |

**Literacy for Student Learning**

| | | |
|---|---|---|
| RED | 375 | Teaching and Learning Reading and Writing II (3) |

**Integrated Methods for Student Learning**

| | | |
|---|---|---|
| ELED | 405 | Literacy/Social Studies Methods for Diverse/Inclusive Classrooms (6) |
| ELED | 406 | Science/Mathematics Methods for Diverse/Inclusive Classrooms (6) |

**Capstone Clinical Experience for Student Learning (requires admission to Gateway III)**

| | | |
|---|---|---|
| ELED | 460 | Student Teaching: Elementary (6) |
| SPED | 445 | Student Teaching: Special Education (6) |

4. **Subject Matter/Endorsement Area/Minor (24 hours).**
   See Page 53, for programs offering coursework leading to **endorsement with elementary and/or special education licensure** in the State of New Mexico.
5. **This program requires about 139 hours.**

Students may also select a minor in early childhood education, see Page 64. This is not an approved New Mexico endorsement area. In addition students must select an endorsement area from the approved 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: Secondary or Elementary/ Special Education

**See Page 54, Subject Matter Endorsement Area/Minor–Bilingual Education.**

**Note:** GPA of 3.00 is required in the minor.

## Subject Matter Endorsement
## Area/Minor: English as a Second Language
## Licensure: Secondary and Elementary/ Special Education

**See Page 55, Subject Matter Endorsement Area/Minor–English as a Second Language.**

**Note:** GPA of 3.00 is required in the minor.

## Subject Matter Endorsement
## Area/Minor: Language Arts
## Licensure: Elementary/Special Education

**Note:** GPA of 3.00 is required in the endorsement area.

1. **Required courses for licensure.**

| | | |
|---|---|---|
| RED | 316 | Literacy through Children's and Adolescent Literature (3) |
| RED | 320 | Writing Centered Classrooms (3) |
| RED | 350 | Teaching and Learning Reading and Writing (3) |
| RED | 375 | Teaching and Learning Reading and Writing II (3) |

2. **General education hours**
   Only 6 hours of general education coursework will count for the subject matter/endorsement area minor. These general education hours must be selected from the courses listed.

**Three hours from communication or theatre selected from the following:**

| | | |
|---|---|---|
| COMM | 101 | Interpersonal Communication (3) |
| COMM | 102 | Public Speaking (3) |
| COMM | 331 | Intercultural Communication (3) |
| COMM | 380 | Nonverbal Communication (3) |
| EDF | 110 | Communication for Educators (3) |
| THTR | 121 | Beginning Acting (3) |

**Three hours of writing courses selected from the following:**

| | | |
|---|---|---|
| ENG | 325 | Professional and Technical Writing (3) **OR** |
| ENG | 401 | Creative Non-Fiction (3) |

**Six hours from literature:**

| | | |
|---|---|---|
| ENG | 211 | Introduction to Literature (3) **OR** |
| ENG | 376 | Chicano Literature (3) |

**And one 200-level survey course from 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) |

## Subject Matter Endorsement
## Area/Minor: Reading
## Licensure: Elementary/Special Education

**Note:** GPA of 3.00 is required in the endorsement area.

To qualify for a New Mexico endorsement in reading, **24 hours** are required with the RED prefix (cannot include developmental reading courses).

**Select from the following:**

| | | |
|---|---|---|
| RED | 316 | Literacy through Children's and Adolescent Literature (3) |
| RED | 320 | Writing Centered Classrooms (3) |
| RED | 350 | Teaching and Learning Reading and Writing I (3) |
| RED | 375 | Teaching and Learning Reading and Writing II (3) |
| RED/BLED | 438 | Language Arts and ESL (3) |
| RED | 471 | Literacy Assessment and Data Driven Instruction (3) |
| RED | 493 | Topics in Reading (1-3) |
| RED | 495 | Secondary Education Content Area Literacy and Strategies (3) |
| RED | 496 | Elementary Education Content Area Literacy and Strategies (3) |

# Department of Family and Consumer Sciences and Agriculture

The department is composed of four primary program areas: agriculture, early childhood development, family and consumer sciences, and career and technical education. The shared objectives of the department programs are to assist in the development of an optimal quality of life through a focus on individuals and families, the environment, the natural and human resource base, and development of local communities. The department values scholarship, creativity, integrity, cooperation, diversity, mutual respect and service.

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

**Professor:** Darron L. Smith
**Assistant Professor:** Steven Chumbley

The agriculture program prepares students in the basic agricultural and foundation sciences that include animal and dairy science, agricultural education, technical agriculture, agronomy, agricultural mechanics and horticulture. 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 or Pre-Vet Club activities. The agriculture program also offers the opportunity for students to be involved in collegiate rodeo.

The agriculture program offers interested students several options:

1. Bachelor of Science degree with a major in animal and dairy science with two different emphases: production and management and pre-veterinary medicine
2. Bachelor of Science degree with a major in agricultural education
3. Bachelor of Science degree with a major in agricultural sciences
4. Associate of Arts degree with a major in agriculture
5. Minor 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 A.A. in agriculture, the minor and emphasis areas. Descriptions of AG courses begin on Page 129.

Students in a major with licensure will complete the Teaching Degree General Education Requirements as found on Page 53 and the Professional Education Requirements listed on Page 56.

### Agriculture Core Curriculum (17 hours)

| | | |
|---|---|---|
| AG | 101 | Animal Science (3) |
| AG | 103 | Orientation and Careers (1) |
| AG | 203 | Crop Science (3) |
| AG | 204 | Soil Science (3) |
| AG | 250 | Feeding and Nutrition (3) |
| AG | 252 | Fundamentals of Agricultural Economics (3) |
| AG | 494 | Senior Seminar (1) |

### Degree: Bachelor of Science (B.S.)
### Major: Animal and Dairy Science
### Emphasis: Production and Management

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**
Suggested general education courses:

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| CHEM | 151/L | General Chemistry I (4) |
| MATH | 119 | College Algebra (4) |

**3. Agriculture Core Curriculum (17 hours).**

**4. Agricultural Requirements (30 hours).**

| | | |
|---|---|---|
| AG | 102 | Dairy Science (3) |
| AG | 260 | Genetics in Animal Science (3) |
| AG | 311 | Farm Management and Records (3) |
| AG | 325 | Animal Physiology (3) |
| AG | 413 | Experimental Design and Statistical Analysis in Animal Science (3) |
| AG | 421 | Advanced Feeding and Nutrition (3) |
| AG | 433 | Veterinary Science (3) |
| AG | 450 | Reproductive Physiology (3) |

**Complete two courses from:**

| | | |
|---|---|---|
| AG | 320 | Horse Production and Management (3) |
| AG | 348 | Swine Production (3) |
| AG | 349 | Small Ruminant Production (3) |
| AG | 350 | Advanced Dairy Production (3) |
| AG | 351 | Beef Production (3) |

**5. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

### Degree: Bachelor of Science (B.S.)
### Major: Animal and Dairy Science
### Emphasis: Pre-Veterinary

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**
Suggested general education courses:

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| CHEM | 151/L | General Chemistry I (4) |
| MATH | 119 | College Algebra (4) |

**3. Agriculture Core Curriculum (17 hours).**

**4. Agricultural Requirements (24 hours).**

| | | |
|---|---|---|
| AG | 102 | Dairy Science (3) |
| AG | 260 | Genetics in Animal Science (3) |
| AG | 325 | Animal Physiology (3) |
| AG | 413 | Experimental Design and Statistical Analysis in Animal Science (3) |
| AG | 433 | Veterinary Science (3) |
| AG | 450 | Reproductive Physiology (3) |

**Complete two courses from:**

| | | |
|---|---|---|
| AG | 320 | Horse Production and Management (3) |
| AG | 348 | Swine Production (3) |
| AG | 349 | Small Ruminant Production (3) |
| AG | 350 | Advanced Dairy Production (3) |
| AG | 351 | Beef Production (3) |

**5. Required courses in other areas (30 hours).**

| | | |
|---|---|---|
| BIOL | 155/L | General Biology II: Organismic through Supraorganismic Biology (4) |
| BIOL | 214/L | Microbiology (4) |
| CHEM | 152/L | General Chemistry II (4) |
| CHEM | 341/L | Organic Chemistry I (4) |
| CHEM | 342/L | Organic Chemistry II (4) |
| CHEM | 452 | Biochemistry (3) |
| ENG | 325 | Professional and Technical Writing (3) |
| PHYS | 151/L | General Physics (4) |

**6. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Agricultural Education
## Endorsement: Agriculture Education
## Licensure: Secondary

**1. Bachelor's Degree Requirements, see Page 38.**

**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Teacher General Education Requirements (55 hours), see Page 53.**

**3. Agriculture Education Core Curriculum (13 hours).**

| | | |
|---|---|---|
| AG | 101 | Animal Science (3) |
| AG | 103 | Orientation and Careers (1) |
| AG | 203 | Crop Science (3) **OR** |
| AG | 204 | Soil Science (3) |
| AG | 250 | Feeding and Nutrition (3) |
| AG | 252 | Fundamentals of Agricultural Economics (3) |

**4. Agricultural Education Course Requirements (12 hours).**

| | | |
|---|---|---|
| AG | 202 | Introduction to Agricultural Education (3) |
| AG | 221 | Principles of Horticulture (3) |
| AG | 400 | Philosophy and Methods of Career Development Events (3) |
| AG | 480 | Methods of Teaching Agriculture (3) |

**5. Students must choose either Option 1, Animal Science or Option 2, Technology.**

**Option 1–Animal Science (9 hours)**

| | | |
|---|---|---|
| AG | 102 | Dairy Science (3) |

**Complete two courses from:**

| | | |
|---|---|---|
| AG | 320 | Horse Production and Management (3) |
| AG | 348 | Swine Production (3) |
| AG | 349 | Small Ruminant Production (3) |
| AG | 350 | Advanced Dairy Production (3) |
| AG | 351 | Beef Production (3) |

**Option 2–Technology (9 hours)**

| | | |
|---|---|---|
| AG | 231 | Metal Fabrication (3) |
| AG | 275 | Rural Buildings and Materials (3) |
| AG | 280 | Agriculture Power and Machinery (3) |

**6. Required courses in other areas (7 hours).**

**Note:** May count as Teaching Degree General Education Requirements.

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| PSY | 202 | Adolescent Psychology (3) |

**7. Professional Education Requirements (39 hours), see Page 56.**

| | | |
|---|---|---|
| BLED | 350 | Cultural and Linguistic Pluralism (3) |
| EDF | 110 | Communication for Educators (3) |
| EDF | 222/L | Structured Observations of Teaching and Learning (3) |
| EDF | 301 | Foundations of Education and Learning (3) |
| EDF | 309 | Technology for the Classroom (3) |
| RED | 495 | Secondary Education Literacy and Strategies (3) |
| SED | 402 | Effective Teaching and Learning in Secondary Education (3) |
| SED | 405 | Classroom Management, Discipline and Issues in Secondary Education (3) |
| SED | 450 | Seminar in Student Teaching (2) |
| SED | 460 | Secondary Education Student Teaching (10) |
| SPED | 300 | Introduction to Special Education (3) (Grade of "B" or higher) |

**8. This major requires about 128 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Agricultural Sciences

**1. Bachelor's Degree Requirements, see Page 38.**

**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Agriculture Core Curriculum (17 hours), see Page 58.**

**4. Agricultural Requirements (18 hours).**

| | | |
|---|---|---|
| AG | 102 | Dairy Science (3) |
| AG | 231 | Metal Fabrication (3) |
| AG | 275 | Rural Buildings and Materials (3) |
| AG | 280 | Agricultural Power and Machinery (3) |

**Any two from:**

| | | |
|---|---|---|
| AG | 320 | Horse Production and Management (3) |
| AG | 348 | Swine Production (3) |
| AG | 349 | Small Ruminant Production (3) |
| AG | 350 | Advanced Dairy Production (3) |
| AG | 351 | Beef Production (3) |

**5. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Associate of Arts (A.A.)
## 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.

**1. Associate Degree Requirements, see Page 38.**

**Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Associate Degree General Education Requirements (35 hours), see Page 41.**

**3. Agriculture Course Requirements (18 hours).**

| | | |
|---|---|---|
| AG | 101 | Animal Science (3) |
| AG | 102 | Dairy Science (3) |
| AG | 203 | Crop Science (3) |
| AG | 204 | Soil Science (3) |
| AG | 250 | Feeding and Nutrition (3) |
| AG | 252 | Fundamentals of Agricultural Economics (3) |

**4. Electives to complete a minimum of 64 hours.**

### Minor: Agriculture

**Note:** Students who earn a major in agriculture may not also minor in agriculture.

**Agriculture Course Requirements (21 hours).**

| | | |
|---|---|---|
| AG | 101 | Animal Science (3) |
| AG | 203 | Crop Science (3) |
| AG | 204 | Soil Science (3) |
| AG | 250 | Feeding and Nutrition (3) |
| AG | 252 | Fundamentals of Agricultural Economics (3) |

Students must also complete 6 hours of AG electives, including 3 upper-division (300-/400-level) hours.

### Subject Matter Endorsement
### Minor: Agriculture
### Licensure: Secondary

**Note:** GPA of 3.00 is required in the minor.

**Agriculture Course Requirements (27 hours).**

| | | |
|---|---|---|
| AG | 101 | Animal Science (3) |
| AG | 202 | Introduction to Agricultural Education (3) |
| AG | 203 | Crop Science (3) |
| AG | 204 | Soil Science (3) |
| AG | 252 | Fundamentals of Agricultural Economics (3) |
| AG | 394 | Professional Leadership Development (3) |
| AG | 480 | Methods of Teaching Agriculture (3) |

Students must also complete two upper-division (300-/400-level) AG courses (6).

#### B.A.A.S. Degree Concentration

The College of Education and Technology also offers a B.A.A.S. degree concentration in animal science, career and technical education, culinary arts, diverse populations and age groups, family and consumer sciences, FCS foods and nutrition and pre-professional education. This option is only available to students who are pursuing the B.A.A.S. degree. Additional information and a description of the concentration can be found on Pages 69-75.

## Family and Consumer Sciences

**Assistant Professors:** Dawn Browder
Charles C. Broz
Cherylann Dozier

Family and consumer sciences courses are divided into three groups: culinary arts, early childhood education, and family and consumer sciences. The mission of family and consumer sciences (FCS) is to empower 21st Century students to take leadership roles and critically address quality of life issues which impact individuals and families, issues that relate to the four basic needs: food, shelter, clothing and relationships. The discipline focuses on developing personal and professional life skills directed toward strengthening diverse families as they face multifaceted challenges in a multicultural society. The FCS approach is preventative in its application while recognizing the rapid changes impacting the family and society.

The FCS curriculum prepares students for life skills related to foods and nutrition, culinary arts, children and family welfare, interior design, consumer goods and services, education, and clothing and textiles. These skills lead to careers in early childhood, nutrition counseling, social work, teaching and culinary arts. All majors must complete an internship in their chosen fields. Each aspect of the FCS 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, minor and emphasis areas. Descriptions of FCS courses begin on Page 155.

### Degree: Bachelor of Science (B.S.)
### Major: Family and Consumer Sciences

**1. Bachelor's Degree Requirements, see Page 38.**
**Note**: Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Required Courses in Family and Consumer Sciences (28 hours).**

| | | |
|---|---|---|
| FCS | 101 | Orientation and Careers (1) |
| FCS | 131 | Consumer Education (3) |
| FCS | 213/L | Food Science (3) |
| FCS | 304 | Fashion Analysis (3) |
| FCS | 118 | Human Nutrition (3) **OR** |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| FCS | 323 | Techniques for Effective Parenting (3) |
| FCS | 333 | Family Relationships (3) |
| FCS | 353 | Interior Design (3) |
| FCS | 461 | Family Resource Management (3) |
| FCS | 489 | Field Placement (3) |

**4. Minor or a second major.**

5. **Electives to complete a minimum of 120 hours.**

The following emphasis areas apply to the family and consumer sciences composite major in the Bachelor of Science degree. No minor is required.

## Degree: Bachelor of Science (B.S.)
## Major: Family and Consumer Sciences Composite
## Emphasis: Culinary Arts

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note**: Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Required Courses in Culinary Arts (25 hours).**

| | | |
|---|---|---|
| CA | 102 | ServSafe® (1) |
| CA | 104 | Culinary Essentials I (3) |
| CA | 120 | Applied Culinary Skills I (3) |
| CA | 125 | Introduction to Baking and Pastry (3) |
| CA | 204 | Culinary Essentials II (3) |
| CA | 220 | Applied Culinary Skills II (3) |
| CA | 225 | Intermediate Baking and Pastry (3) |
| FCS | 234 | Culinary Nutrition (3) |
| ACCT | 201 | Introduction to Financial Accounting (3) |

4. **Required Courses in Hospitality Management (9 hours).**

| | | |
|---|---|---|
| HRTM | 320 | Hospitality Facilities Management (3) |
| HRTM | 410 | Food Operations Management (3) |
| HRTM | 420 | Bar and Beverage Management (3) |

5. **Required Upper-Division Courses in Culinary Arts (18 hours).**

| | | |
|---|---|---|
| CA | 325 | Cakes and Confections (3) |
| CA | 327 | *Garde Manger* (3) |
| CA | 410 | Foods of the World (3) |
| CA | 460 | Lunch Production (3) |
| CA | 496 | Culinary Arts Internship (3+3 or 6) |

6. **Upper-Division Electives in Culinary Arts (9 hours); Choose three of five.**

| | | |
|---|---|---|
| CA | 330 | Mediterranean Cuisine (3) |
| CA | 375 | American Cuisine (3) |
| CA | 425 | Food Styling (3) |
| CA | 450 | Classical French Cuisine (3) |
| CA | 455 | Asian Cuisine (3) |

7. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Family and Consumer Sciences Composite
## Emphasis: Human Services

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note**: Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Required Courses in Family and Consumer Sciences (28 hours).**

| | | |
|---|---|---|
| FCS | 101 | Orientation and Careers (1) |
| FCS | 131 | Consumer Education (3) |
| FCS | 213/L | Food Science (3) |
| FCS | 118 | Human Nutrition (3) **OR** |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| FCS | 323 | Techniques for Effective Parenting (3) |
| FCS | 333 | Family Relationships (3) |
| FCS | 404 | Community Nutrition (3) |
| FCS | 461 | Family Resource Management (3) |
| FCS | 489 | Field Placement (3) |
| FCS | | Elective (3) |

4. **Required Courses in Human Services (21 hours).**
   **Sociology Courses (6 hours)**

| | | |
|---|---|---|
| SOC | 303 | Race, Ethnicity and Gender (3) |
| SOC | | Elective (3) |

   **Social Work Courses (12 hours)**

| | | |
|---|---|---|
| SWK | 321 | Human Behavior in the Social Environment (HBSE) I (3) |
| SWK | | Electives (9) |

   **Health and Physical Education Course (3 hours)**

| | | |
|---|---|---|
| HPE | 240 | Pharmacology Education for Health Professionals (3) |

6. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Family and Consumer Sciences

**Note:** Students who earn a major in family and consumer sciences may not also minor in family and consumer sciences.

**Family and Consumer Sciences Course Requirements (16 hours).**

| | | |
|---|---|---|
| FCS | 101 | Orientation and Careers (1) |
| FCS | 131 | Consumer Education (3) **OR** |
| FCS | 461 | Family Resource Management (3) |
| FCS | 213/L | Food Science (3) **OR** |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| FCS | 304/L | Fashion Analysis (3) **OR** |
| FCS | 403 | Sociological and Psychological Aspects of Dress (3) |
| FCS | 323 | Techniques for Effective Parenting (3) |
| FCS | 353 | Interior Design (3) |

## Degree: Associate of Arts (A.A.)
## Major: Culinary Arts

The curriculum is designed to prepare individuals to work in a variety of aspects of the foodservice industry.

1. **Associate Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41.**
3. **Culinary Arts and Related Course Requirements (22 hours).**

| | | |
|---|---|---|
| CA | 102 | ServSafe® (1) |
| CA | 104 | Culinary Essentials I (3) |
| CA | 120 | Applied Culinary Skills I (3) |
| CA | 125 | Introduction to Baking and Pastry (3) |
| CA | 204 | Culinary Essentials II (3) |
| CA | 220 | Applied Culinary Skills II (3) |
| FCS | 234 | Culinary Nutrition (3) |
| ACCT | 201 | Introduction to Financial Accounting (3) |

4. **Electives to complete a minimum of 64 hours.**

## Minor: Nutrition

**Course Requirements (21 hours)**

| | | |
|---|---|---|
| FCS | 118 | Human Nutrition (3) |
| FCS | 234 | Culinary Nutrition (3) |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| FCS | 356 | Nutrition for Women and Children (3) |
| FCS | 404 | Community Nutrition (3) |
| FCS | 405 | Nutritional Influences on Health (3) |
| FCS | 410 | Nutrition and Aging (3) |

## Minor: Culinary Arts

**Note:** Students who earn a major in family and consumer sciences with an emphasis in culinary arts may not also minor in culinary arts.

**Course Requirements (19 hours)**

| | | |
|---|---|---|
| CA | 102 | ServSafe® (1) |
| CA | 104 | Culinary Essentials I (3) |
| CA | 120 | Applied Culinary Skills I (3) |
| CA | 125 | Introduction to Baking and Pastry (3) |
| CA | 204 | Culinary Essentials II (3) |
| CA | 220 | Applied Culinary Skills II (3) |

Students must also comlete three hours of upper-division (300-/400-level) culinary arts electives.

## Degree: Associate of Arts (A.A.)
## Major: Family and Consumer Sciences

The curriculum is designed to prepare individuals to work in a variety of service occupations.

1. **Associate Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41.**
3. **Family and Consumer Sciences and Related Course Requirements (22 hours).**

| | | |
|---|---|---|
| CA | 104/L | Culinary Essentials I (3) |
| CA | 204 | Culinary Essentials II (3) |
| FCS | 101 | Orientation and Careers (1) |
| FCS | 118 | Human Nutrition (3) |
| FCS | 131 | Consumer Education (3) |
| FCS | 213/L | Food Science (3) |
| FCS | 221 | Child Growth, Development and Learning (3) |
| FCS | 234 | Culinary Nutrition (3) |

4. **Electives to complete a minimum of 64 hours.**

# Transferring the Early Childhood Education Discipline Module

Consistent with the requirements of Statute 21-1B-4, the New Mexico Higher Education Department and state higher education institutions have developed several discipline modules that consist of an agreed-upon number of hours and courses, including the general education core, of approximately 64 hours applicable to a specific discipline. The courses listed in each discipline matrix, including the general education core, are transferable and shall count toward fulfilling degree requirements at four-year institutions in New Mexico. Equivalent courses within these modules are identified with common course numbers as an easy reference point to guarantee transfer. The New Mexico Common Course equivalent names for the early childhood education module courses listed below appear following their course descriptions in the back of this catalog. Students wishing to transfer to another college or university should consult an advisor there to see a list of common course equivalencies at that institution. The program at ENMU offers a major in early childhood education with four different emphases.

## Degree: Bachelor of Science (B.S.)
## Major: Early Childhood Education
## Licensure: Early Childhood Education (Birth-PreK)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teaching General Education Requirements (55 hours), see Page 53.**
3. **Pre-professional Requirements (2 hours).**

| | | |
|---|---|---|
| ECE | 220 | Professionalism in Early Childhood (2) |

4. **Professional Education in Early Childhood Education (45 hours).**

| | | |
|---|---|---|
| BLED | 473 | Family, Language and Culture (3) |
| ECE | 107 | Health, Safety and Nutrition (2) |
| ECE | 201 | Introduction to Language, Literacy and Reading (3) |
| ECE | 239 | Curriculum Development through Play: Birth through PreK (3) |
| ECE | 240 | Curriculum Development and Implementation: Age 3 through Grade 3 (3) |
| ECE | 265 | Guiding Young Children (3) |
| ECE | 280 | Family and Community Collaboration (3) |
| ECE | 302 | Emergent Literacy (3) |
| ECE | 402 | Advanced Caregiving for Infants and Toddlers (3) |
| ECE | 481 | Research in Child Growth, Development and Learning (3) |
| ECE | 483 | Integrated Curriculum: Birth through PreK (3) |
| FCS | 221 | Child Growth, Development and Learning (3) |
| SPED | 203 | Assessment of Children and Evaluation of Programs (3) |
| SPED | 401 | Young Children with Diverse Abilities (3) |

   To total 45 credits, select courses from ECE 320 Teaching Reading and Writing Practicum, ECE 403 Infant and Toddler Assessment and Evaluation, ECE 404 Practicum, ECE 405 Advanced Knowledge and Practical Application, ECE 406 Practicum, FCS 323 Techniques for Effective Parenting, FCS 333 Family Relationships, RED 350 Teaching and Learning Reading and Writing I.

5. **Practicum and Supervised Field Experiences (20 hours).**

| | | |
|---|---|---|
| ECE | 239L | Curriculum Development through Play: Birth through PreK Practicum (2) |
| ECE | 240L | Curriculum Development and Implementation: Age 3 through Grade 3 Practicum (2) |
| ECE | 485 | Integrated Curriculum: Birth through PreK Practicum (4) |
| ECE | 487 | Student Teaching in Early Childhood Education (12) |

6. **This program requires about 125 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Early Childhood Education
## Emphasis: Early Childhood Education Birth through PreK (Non-licensure)

**1. Bachelor's Degree Requirements, see Page 38.**

**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Pre-professional Requirements (2 hours).**

| | | |
|---|---|---|
| ECE | 220 | Professionalism in Early Childhood (2) |

**4. Professional Education in Early Childhood Education (45 hours).**

| | | |
|---|---|---|
| BLED | 473 | Family, Language and Culture (3) |
| ECE | 107 | Health, Safety and Nutrition (2) |
| ECE | 201 | Introduction to Language, Literacy and Reading (3) |
| ECE | 239 | Curriculum Development through Play: Birth through PreK (3) |
| ECE | 240 | Curriculum Development and Implementation: Age 3 through Grade 3 (3) |
| ECE | 265 | Guiding Young Children (3) |
| ECE | 280 | Family and Community Collaboration (3) |
| ECE | 302 | Emergent Literacy (3) |
| ECE | 402 | Advanced Caregiving for Infants and Toddlers (3) |
| ECE | 481 | Research in Child Growth, Development and Learning (3) |
| ECE | 483 | Integrated Curriculum: Birth through PreK (3) |
| FCS | 221 | Child Growth, Development and Learning (3) |
| SPED | 203 | Assessment of Children and Evaluation of Programs (3) |
| SPED | 401 | Young Children with Diverse Abilities (3) |

To total 45 credits, select courses from ECE 320 Teaching Reading and Writing Practicum, ECE 403 Infant and Toddler Assessment and Evaluation, ECE 404 Practicum, ECE 405 Advanced Knowledge and Practical Application, ECE 406 Practicum, FCS 323 Techniques for Effective Parenting, FCS 333 Family Relationships, RED 350 Teaching and Learning Reading and Writing I.

**5. Practicum and Supervised Field Experiences (20 hours).**

| | | |
|---|---|---|
| ECE | 239L | Curriculum Development through Play: Birth through PreK Practicum (2) |
| ECE | 240L | Curriculum Development and Implementation: Age 3 through Grade 3 Practicum (2) |
| ECE | 485 | Integrated Curriculum: Birth through PreK Practicum (4) |

Select courses to substitute for 12 credits of student teaching and meet 40 upper-division and 120 minimum hour requirements. Select from ECE 320 Teaching Reading and Writing Practicum, ECE 400 Reflective Practice Seminar, ECE 403 Infant and Toddler Assessment and Evaluation, ECE 404 Practicum, ECE 405 Advanced Knowledge and Practical Application, ECE 406 Practicum, ECE 407 Internship, FCS 323 Techniques for Effective Parenting, FCS 333 Family Relationships, RED 350 Teaching and Learning Reading and Writing I.

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Early Childhood Education
## Licensure: Early Childhood Education PreK-Grade 3 (licensure)

**1. Bachelor's Degree Requirements, see Page 38.**

**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Teaching General Education Requirements (58 hours), see Page 53.**

**3. Pre-professional Requirements (2 hours).**

| | | |
|---|---|---|
| ECE | 220 | Professionalism in Early Childhood (2) |

**4. Professional Education in Early Childhood Education (45 hours).**

| | | |
|---|---|---|
| BLED | 473 | Family, Language and Culture (3) |
| ECE | 107 | Health, Safety and Nutrition (2) |
| ECE | 201 | Introduction to Language, Literacy and Reading (3) |
| ECE | 239 | Curriculum Development through Play: Birth through PreK (3) |
| ECE | 240 | Curriculum Development and Implementation: Age 3 through Grade 3 (3) |
| ECE | 265 | Guiding Young Children (3) |
| ECE | 280 | Family and Community Collaboration (3) |
| ECE | 481 | Research in Child Growth, Development and Learning (3) |
| ELED | 407 | Teaching and Learning Math and Science (4) |
| ELED | 408 | Teaching and Learning Language Arts (3) |
| ELED | 417 | Teaching and Learning Social Studies, Fine Arts and Movement (3) |
| FCS | 221 | Child Growth, Development and Learning (3) |
| RED | 350 | Teaching and Learning Reading and Writing (3) |
| SPED | 203 | Assessment of Children and Evaluation of Programs (3) |
| SPED | 401 | Young Children with Diverse Abilities (3) |

**5. Practicum and Supervised Field Experiences (19 hours).**

| | | |
|---|---|---|
| ECE | 239L | Curriculum Development through Play: Birth through PreK Practicum (2) |
| ECE | 240L | Curriculum Development and Implementation: Age 3 through Grade 3 Practicum (2) |
| ECE | 320 | Teaching Reading and Writing Practicum I (1) |
| ECE | 487 | Student Teaching in Early Childhood Education (12) |
| ELED | 418 | Teaching and Learning Practicum (2) |

**6. This program requires about 124 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Early Childhood Education
## Emphasis: Early Childhood Education Family, Infant and Toddler Studies (Non-licensure)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Pre-professional Requirements (15 hours).**
   ECE 220 Professionalism in Early Childhood (2)
   Lower division courses from a NM approved program from CNMCC (13 hours)
   These content courses are not offered at the Portales campus.
   ECME 2230 Infant-Toddler Growth, Development and Learning (3)
   ECME 2232 Family Infant Toddler Professionals, Family and Communities (3)
   ECME 2234 Caregiving for Infants and Toddlers (3)
   ECME 2690 Practicum (2)
   ECME 2790 Practicum (2)
4. **Professional Education in Early Childhood Education (30 hours).**
   BLED 473 Family, Language and Culture (3)
   ECE 107 Health, Safety and Nutrition (2)
   ECE 265 Guiding Young Children (3)
   ECE 280 Family and Community Collaboration (3)
   ECE 400 Reflective Practice Seminar (1)
   ECE 403 Infant and Toddler Assessment and Evaluation (3)
   ECE 405 Advanced Knowledge and Practical Application (3)
   ECE 481 Research in Child Growth, Development and Learning (3)
   FCS 221 Child Growth, Development and Learning (3)
   SPED 203 Assessment of Children and Evaluation of Programs (3)
   SPED 401 Young Children with Diverse Abilities (3)
5. **Practicum and Supervised Field Experiences (20 hours).**
   Experiences must be with birth to 3 years
   ECE 404 Practicum (1)
   ECE 406 Practicum (2)
   ECE 407 Internship (8)
   To total 20 credits, select courses from ECE 201 Introduction to Language, Literacy and Reading, ECE 239 Curriculum Development through Play: Birth through PreK, ECE 239L Curriculum Development through Play: Birth through PreK Practicum, ECE 402 Advanced Caregiving for Infants and Toddlers, ECE 482 Integrated Curriculum: Birth through PreK, ECE 485 Integrated Curriculum; Birth through PreK Practicum, FCS 323 Techniques for Effective Parenting, FCS 333 Family Relationships.
6. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Early Childhood Education

**Early Childhood Course Requirements (24 hours).**

ECE 239/L Curriculum Development through Play: Birth-PreK/Practicum (5)
ECE 265 Guiding Young Children (3)
ECE 483 Integrated Curriculum: Birth through PreK (3)
ECE 485 Integrated Curriculum: Birth through PreK Practicum (4)
FCS 221 Child Growth, Development and Learning (3)

Students must also complete 6 hours of early childhood education course electives.

## Degree: Associate of Arts (A.A.)
## Major: Early Care and Education

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

1. **Associate Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41.**
3. **Early Childhood Education and Related Course Requirements (29 hours).**
   ECE 107 Health, Safety and Nutrition (2)
   ECE 201 Introduction to Language, Literacy and Reading (3)
   ECE 220 Professionalism in Early Childhood (2)
   ECE 239/L Curriculum Development through Play: Birth through PreK Practicum (5)
   ECE 240/L Curriculum Development and Implementation: Age 3 through Grade 3 Practicum (5)
   ECE 265 Guiding Young Children (3)
   ECE 280 Family and Community Collaboration (3)
   FCS 221 Child Growth, Development and Learning (3)
   SPED 203 Assessment of Children and Evaluation of Programs (3)

### B.A.A.S. Degree Concentration

The College of Education and Technology offers a B.A.A.S. degree concentration in animal science, career and technical education, culinary arts, diverse populations and age groups, family and consumer sciences, FCS foods and nutrition and preprofessional education. Additional information can be found on Pages 69-75.

The College of Liberal Arts and Sciences offers a B.A.A.S. degree concentration in criminal justice/sociology, electronics engineering technology, electronics engineering technology (analog), electronics engineering technology (digital), emergency management, fire and emergency services administration, human and social sciences, information systems and programming design, liberal arts, religion and science. Additional information can be found on Pages 69-75.

The College of Business offers a B.A.A.S. degree concentration in business, information systems and personal financial planning.
This option is only available to students who are pursuing the B.A.A.S. degree. Additional information can be found on Page 48.

# Bachelor of Occupational Education (B.O.E.)

The Bachelor of Occupational Education is an online distance education degree program that allows prospective and current career and technical education instructors and trainers to obtain a Bachelor of Occupational Education (B.O.E.) degree in career and technical education.

The purpose of the program is to prepare instructors for licensure in vocational/technical education to teach in secondary schools as well as to prepare career and technical education instructors and trainers to teach in community and technical colleges, trade and technical institutes, and in business and industry settings.

The B.O.E. degree is a baccalaureate degree designed for students who possess or who will meet the requirements for an Associate of Arts (A.A.), Associate of Science (A.S.), or Associate of Applied Science (A.A.S.) degree earned at an institution whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA). Additionally, students who possess significant credit hours in a technical discipline earned at an institution accredited by an agency recognized by the U.S. Department of Education will be candidates for the B.O.E. program.

By transferring an entire associate degree or equivalent credit hours, students will receive the maximum benefit for prior coursework. Acceptable general education hours are used where they apply and the courses in related technical areas are used to fulfill the 30-58 hours required in the vocational/technical field. For most students, this leaves 30 credit hours in the career and technical education major, and three credit hours selected from among the approved upper-division diversity/global courses, which are offered completely online. If necessary, students will need to complete any remaining general education requirements that were not satisfied by an equivalent transfer course. All courses in the career and technical education major and most upper division diversity/global courses are offered online.

Potential fields of specialization that students may bring to this program include but are not limited to the following: automotive technology, aviation technology, business equipment repair, computer animation, computer information systems, construction trades, cosmetology, criminal justice, culinary arts, diesel equipment technology, drafting/design technology, electronics, food service, graphic arts, hospitality services, heating and ventilation and air conditioning, machine tool technology, office technology, water treatment management, and welding. Descriptions of CTED courses begin on Page 139.

**Degree:** **Bachelor of Occupational Education (B.O.E.)**

**Major:** **Career and Technical Education**

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.O.E. degree requires a minimum of 18 hours of upper-division courses. Developmental courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
   These courses may have been completed as part of the associate degree.
3. **Vocational or Technical Field (30-58 Hours).**
   Vocational or technical major work transferred from an accredited institution. Must be in a vocational or technical related field taught in the public school, a community or technical college, or in a business and industry training area. **Note:** This requirement will be designated as "met" for those students who have been awarded an Associate of Applied Science (A.A.S.) degree from an accredited institution that is based on specific career, vocational or technical outcomes.
4. **Career and Technical Education Requirements (30 hours).**
   **Note:** This program requires a 3.00 GPA in the major.

| | | |
|---|---|---|
| BLED | 350 | Cultural and Linguistic Pluralism (3) |
| CTED | 301 | CTE Foundations (3) |
| CTED | 302 | Instructional Facility Design (3) |
| CTED | 303 | CTE Curriculum Development (3) |
| CTED | 401 | CTE Leadership (3) |
| CTED | 480 | Methods of Teaching CTE (3) |
| CTED | 481 | Supervised Classroom Internship (6) |
| PSY | 202 | Adolescent Psychology (3) |
| SPED | 300 | Introduction to Special Education (3) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

# Department of Health and Physical Education

**Associate Professors:** Dean O. Culpepper
Sarah J. Wall
**Assistant Professors:** Beth Birky
Dusko Bogdanov
**Instructors:** Lora Ferguson
Hilary Ishii

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

**Major:**
1. Physical Education

**Emphases:**
1. Teaching Physical Education
2. Health and Wellness
3. Sport and Recreation Management

**Associate of Arts degree with a major in recreation**

**Endorsement Areas for Licensure:**
1. Health Education Endorsement Area: Elementary/Special or Secondary Education
2. Physical Education Area: Elementary/Special or Secondary Education

**Minors:**
1. Athletic Training
2. Coaching
3. Health Education
4. Sports Management

Descriptions of HPE courses begin on Page 159.

Students in an emphasis with licensure will complete the Teaching Degree General Education Requirements as found on Page 53 and the Professional Education Requirements listed on Page 56.

A Master of Science degree in physical education is also offered. For additional information regarding the Master of Science degree in physical education with emphases in sport administration and coaching, refer to the ENMU Graduate Catalog.

## HPE Core Curriculum (21 hours)

| | | |
|---|---|---|
| HPE | 121 | Concepts of Health/Wellness (3) **OR** |
| HPE | 145 | Concepts in Physical Education (3) |
| HPE | 212 | Motor Behavior I (3) |
| HPE | 241 | Structural Kinesiology (3) |
| HPE | 312 | Biomechanics (3) |
| HPE | 313 | Physiology of Exercise (3) |
| HPE | 345 | Physical Activity: Law and Ethics (3) |
| HPE | 490 | Professional Review (3) **OR** |
| SED | 405 | Classroom Management, Discipline and Issues in Secondary Education (3) |

**In Addition:** Students must present proof of current first aid and CPR certification as part of the requirement for HPE 490.

## Degree: Bachelor of Science (B.S.)
## Major: Physical Education
## Emphasis: Teaching Physical Education
## Licensure: K-12

**Note:** GPA of 3.00 is required.

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teaching General Education Requirements (55-58 hours), see Page 53.**
3. **Professional Education Requirements (39 hours), see Page 56.**
4. **HPE Core Curriculum (21 hours), see Page 66.**
5. **Physical Education Course Requirements (22 hours).**

| | | |
|---|---|---|
| FCS | 318 | Nutrition, Health and Fitness (3) |
| HPE | 121 | Concepts of Health/Wellness (3) **OR** |
| HPE | 145 | Concepts in Physical Education (3) |
| HPE | 212L | Motor Behavior I Laboratory (1) |
| HPE | 298 | Teaching Movement: Topics (3, 3) |
| HPE | 312L | Biomechanics Laboratory (1) |
| HPE | 313L | Physiology of Exercise Laboratory (1) |
| HPE | 433 | Methods/Curriculum in PE (3) |
| HPE | 473 | Health Education Methods/Materials (3) |
| HPE | 483 | Field Experiences: Topics (1) |

6. **This program requires about 137 hours.**

**Note:** Students may use professional education requirements as the minor for secondary education. A second minor in an endorsement area is not required, but the faculty strongly recommends that students select a second minor.

## Degree: Bachelor of Science (B.S.)
## Major: Physical Education
## Emphasis: Health and Wellness

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **HPE Core Curriculum (21 hours), see Page 66.**
4. **Health and Wellness (21 hours).**

| | | |
|---|---|---|
| FCS | 118 | Human Nutrition (3) **OR** |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| HPE | 121 | Concepts of Health/Wellness (3) **OR** |
| HPE | 145 | Concepts in Physical Education (3) **(**Whichever not taken in HPE Core) |
| HPE | 212L | Motor Behavior I Laboratory (1) |
| HPE | 220 | First Aid (2) |
| HPE | 298 | Teaching Movement: Topics (3, 3) |
| HPE | 312L | Biomechanics Laboratory (1) |
| HPE | 313L | Physiology of Exercise Laboratory (1) |
| HPE | 483 | Field Experiences: Topics (1) |
| HPE | 489 | Internship in HPE (3) |

5. **Electives in Health and Physical Education (15 hours).**
   Fifteen (15) credits from HPE theory courses
6. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Physical Education
## Emphasis: Sports and Recreation Management

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.

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **HPE Core Curriculum (21 hours), see Page 66.**
4. **Sport and Recreation Management Requirements (33 hours).**

| | | |
|---|---|---|
| ECON | 200 | Survey of Economics (3) **OR** |
| ECON | 222 | Principles of Microeconomics (3) |
| ENG | 325 | Professional and Technical Writing (3) |
| HPE | 207 | Media and Public Relations in Sports (3) |
| HPE | 303 | Sport Governance (3) |
| HPE | 304 | Sport Finance (3) |
| HPE | 305 | Human Resources in Sport Management (3) |
| HPE | 310 | Facilities and Event Management (3) |
| HPE | 380 | Fundamentals of Sport Management (3) |
| HPE | 425 | Contemporary Issues: Topics (3) |
| HPE | 459 | Sports Marketing (3) |
| HPE | 489 | Internship in HPE (3) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Associate of Arts (A.A.)
## Major: Recreation

This curriculum is designed to prepare students in basic recreational practices for entry-level positions in a recreation setting.

1. **Associate Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41.**
3. **Health and Physical Education Requirements (21 hours).**

| | | |
|---|---|---|
| FCS | 318 | Nutrition, Health and Fitness (3) **OR** |
| HPE | 207 | Media and Public Relations in Sport (3) |
| HPE | 121 | Concepts of Health/Wellness (3) **OR** |
| HPE | 145 | Concepts in Physical Education (3) |
| HPE | 212 | Motor Behavior I (3) |
| HPE | 241 | Structural Kinesiology (3) |

   Students must also take 9 hours of HPE (200-/300-level) theory courses.
5. **Electives to complete a minimum of 64 hours.**

**Note:** Fifteen (15) of the final 30 hours must be earned from ENMU-Portales.

## Subject Matter Endorsement
## Area/Minor: Health Education
## Licensure: Elementary/Special or Secondary Education

**Note:** GPA of 3.00 is required in the minor.

1. **Recommended within the General Education Courses.**

| | | |
|---|---|---|
| CHEM | 113/L | Chemistry for Today (4) |
| COMM | 102 | Public Speaking (3) |

2. **Health Education Course Requirements (24 hours).**

| | | |
|---|---|---|
| FCS | 318 | Nutrition, Health and Fitness (3) |
| HPE | 121 | Concepts in Health/Wellness (3) |
| HPE | 240 | Pharmacology Education for Health Professionals (3) |
| HPE | 302 | Curriculum/Program Planning in Health (3) |
| HPE | 321 | Wellness: Individual and Global (3) |
| HPE | 330 | Human Sexuality (3) |
| HPE | 473 | Health Education Methods/Materials (3) |
| SWK | 321 | Human Behavior in the Social Environment I (3) **OR** |
| SWK | 349 | Perspectives in Mental Health (3) |

## Subject Matter Endorsement
## Area/Minor: Physical Education
## Licensure: Elementary/Special or Secondary Education

**Note:** GPA of 3.00 is required in the minor**.**
**Note:** Students who earn a major in physical education may not also minor in physical education.

1. **HPE Core Curriculum (21 hours), see Page 66.**
2. **Physical Education Course Requirements (10 hours).**

| | | |
|---|---|---|
| HPE | 212L | Motor Behavior I Laboratory (1) |
| HPE | 298 | Teaching Movement: Topics (3) |
| HPE | 312L | Biomechanics Laboratory (1) |
| HPE | 313L | Physiology of Exercise Laboratory (1) |
| HPE | 433 | Methods/Curriculum in PE (3) |
| HPE | 483 | Field Experience: Topics (1) |

3. **Required courses in other areas (8 hours).**

| | | |
|---|---|---|
| BIOL | 107/L | Basic Anatomy/Physiology I (4) |
| BIOL | 108/L | Basic Anatomy/Physiology II (4) |

**In addition:** Students must present proof of current first aid and CPR certification as part of the requirements for HPE 490.

## Minor: Athletic Training

**Note: 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.**

**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) |

**Required courses in other areas (8 hours).**

| | | |
|---|---|---|
| BIOL | 107/L | Basic Anatomy/Physiology I (4) **AND** |
| BIOL | 108/L | Basic Anatomy/Physiology II (4) **OR** |
| *BIOL | 209/L | Anatomy/Physiology I (4) **AND** |
| *BIOL | 210/L | Anatomy/Physiology II (4) |

*May also be used to satisfy General Education Requirements.

## Minor: Coaching

**Coaching Course Requirements (23 hours).**

| | | |
|---|---|---|
| HPE | 209 | Basic Care/Prevention: Athletic Injuries (3) |
| HPE | 212/L | Motor Behavior I (4) |
| HPE | 220 | First Aid (2) (or proof of current First Aid and CPR Certification) |
| HPE | 245 | Theory of Coaching (3) |
| HPE | 312/L | Biomechanics (4) |
| HPE | 313/L | Physiology of Exercise (4) |

**Three credits from the following:**

| | | |
|---|---|---|
| HPE | 281 | Officiating of Sports (3) |
| HPE | 310 | Facilities and Event Management (3) |
| 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 | 380 | Fundamentals of Sport Management (3) |
| HPE | 382 | Coaching of Softball/Baseball (3) |

**Required courses in other areas (8 hours).**

| | | |
|---|---|---|
| BIOL | 107/L | Basic Anatomy/Physiology I (4) **AND** |
| BIOL | 108/L | Basic Anatomy/Physiology II (4) **OR** |
| *BIOL | 209/L | Anatomy/Physiology I (4) **AND** |
| *BIOL | 210/L | Anatomy/Physiology II (4) |

***Note:** *May also be used to satisfy General Education Requirements. Please consult with an advisor before enrolling in the course.

## Minor: Health Education

**Courses Recommended within the General Education Requirements (7 hours).**

| | | |
|---|---|---|
| CHEM | 113/L | Chemistry for Today (4) |
| COMM | 102 | Public Speaking (3) |

**Health Education Course Requirements (24 hours).**

| | | |
|---|---|---|
| FCS | 118 | Human Nutrition (3) **OR** |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| HPE | 121 | Concepts in Health/Wellness (3) |
| HPE | 240 | Pharmacology Education for Health Professionals (3) |
| HPE | 302 | Curriculum/Program Planning in Health (3) |
| HPE | 321 | Wellness: Individual and Global (3) |
| HPE | 330 | Human Sexuality (3) |
| HPE | 473 | Health Education Methods/Materials (3) |
| SWK | 321 | Human Behavior in the Social Environment I (3) **OR** |
| SWK | 349 | Perspectives in Mental Health (3) |

## Minor: Sports Management

**Note:** Students who major in physical education with an emphasis in sports and recreation management may not also minor in sports management.

**Sports Management Course Requirements (18 hours).**

| | | |
|---|---|---|
| HPE | 207 | Media and Public Relations in Sports (3) |
| HPE | 310 | Facilities and Event Management (3) |
| HPE | 345 | Physical Activity: Law and Ethics (3) |
| HPE | 380 | Fundamentals of Sport Management (3) |
| HPE | 459 | Sports Marketing (3) |

**Three credits from the following:**

| | | |
|---|---|---|
| HPE | 325 | Global Sports (3) |
| HPE | 340 | Recreation and Intramural Programming (3) |
| HPE | 425 | Contemporary Issues: Topics (3) |

# Interdisciplinary Programs

Interdisciplinary degrees afford the student a broad-based undergraduate experience without the focused specialization of a major. Additional information regarding requirements for the B.U.S. degree and the B.A.A.S. degree can be found on Page 38.

Students with technical or vocational associate degrees may also pursue the Bachelor of Applied Arts and Sciences.

## 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 experiences. At the time of entrance into the program, each student must complete a degree plan with the university studies advisor in the College of Education and Technology. 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 (B.U.S.)**

**Major:** **University Studies**

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note**: Students must successfully complete UNIV 101. The B.U.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Emphasis of two (15 hour) blocks in two fields of study (30 hours).**
   Each course must be completed with a grade of "C" or higher.
4. **Electives to complete a minimum of 120 hours.**

# Bachelor of Applied Arts and Sciences (B.A.A.S.)

The Bachelor of Applied Arts and Sciences (B.A.A.S.) degree is available for students who possess or who will meet one of the following requirements:

- An Associate of Applied Science (A.A.S.) degree that is based on specific career, vocational or technical outcomes from an institution whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA).
- A Certificate in a technical or vocational discipline resulting in a minimum of 30 total credit hours from an institution whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA). The acceptance of credit from other technical or vocational programs will be based on an evaluation of each student's credentials.
- A minimum of 30 credit hours in a technical or vocational discipline earned at an institution whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA).
- An American Council on Education (ACE) transcript recommending a minimum of 30 credit hours in a technical or vocational discipline based on an ACE review of military training completed and military service.
- An American Council on Education (ACE) transcript recommending a minimum of 30 credit hours in a technical or vocational discipline based on an ACE review of a program of study completed or of a technical or vocational certification.

The purpose of the degree is to provide individuals the opportunity to complete a flexible course of study leading to a well-rounded education and a bachelor's degree that will enhance career advancement or broaden career opportunities. By transferring credit hours from an associate degree, a Certificate of Occupational Education, or equivalent credit hours, students will receive the maximum benefit for prior coursework (up to 90 credit hours). General education hours are used where they apply, and the courses in related technical or vocational areas are used to fulfill 30-58 hours required in the primary concentration. The secondary concentration will be satisfied by completing one of the approved fields of study (24-33 credit hours). If necessary, students will need to complete any remaining general education requirements that were not satisfied by an equivalent transfer course. As few as 30 hours (10 classes), taken at ENMU-Portales are required to complete the B.A.A.S. degree. Curriculum and delivery methods for most emphasis areas are designed for the distance learner–offering students the opportunity to work while completing this degree.

Potential transfer disciplines include but are not limited to the following: accounting, agriculture mechanization, air traffic control, automotive technology, aviation maintenance technology, biotechnology, building and construction technology, business, business equipment repair, computer aided drafting, computer applications and support, computer animation, computer graphic arts technology, computer information systems, cosmetology, criminal justice, culinary arts, dental hygiene, diagnostic medical imaging, diesel equipment technology, electronics technology, engineering and design technology, emergency medical services, energy technology, fire protection technology, geographical information systems, health information technology, histotechnology, hotel and restaurant management, human resources, human services, heating and ventilation and air conditioning technology, industrial engineering technology, information technology, law enforcement technology, machine tool technology, media arts, medical assisting, nursing, occupational safety, occupational therapy

assistant, office technology, paralegal studies, physical therapist assistant, radiographic technology, respiratory therapy, surgical technology, veterinary technology, welding technology and wind energy technology.

## Degree: Bachelor of Applied Arts and Sciences (B.A.A.S.)
## Major: Applied Arts and Sciences

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.A.A.S. degree requires a minimum of 18 hours of upper-division courses. Developmental courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
   These courses may have been completed as part of the associate degree. Students must complete any additional general education courses required by ENMU that were not taken as part of an associate degree or certificate program.
3. **Primary Concentration Area (30-58 hours).**
   Technical or vocational major work transferred from an accredited institution or an approved program. The acceptance and transfer of coursework will be based on an analysis of each student's transcript. Only coursework designated as transfer credit may be considered for the primary concentration. Should the student decide to change degrees, any transferred career or technical courses would no longer apply toward a baccalaureate degree. **Note:** This requirement will be designated as "met" for those students who have been awarded an Associate of Applied Science (A.A.S.) degree that is based on a specific career, vocational or technical outcomes from an institution whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA) or for those students who receive 30 or more hours of credit for the completion of a vocational or technical certificate program from an institution whose accreditation is from an accrediting body recognized by CHEA.
4. **Secondary Concentration Area (24-33 hours).**
   An approved field of study consisting of a minimum of 24 hours. Concentration must include at least 15 hours of upper-division courses. Each course must be completed with a grade of "C" or higher.
   **Note:** Upper-division courses may have prerequisites that must be taken first.
5. **Electives to complete a minimum of 120 hours.**

### Secondary Concentration Areas of Study

The secondary concentration is intended to complement the student's vocational or technical background and broaden career opportunities. These emphasis areas are only available to students who are pursuing the B.A.A.S. degree.

Students can select from the following areas of study, **OR** they may petition to develop an alternate field of study that will further complement their vocational or technical background. Information on ENMU's B.A.A.S. degree is available at **enmu.edu/baas**.

### Animal Science

Students who complete the B.A.A.S. degree with an emphasis in animal science will gain advanced knowledge in feed and nutrition, animal health, physiology and management. This emphasis combines both a rigorous scientific component and a very hands-on practical application. Graduates may pursue careers in: production agriculture, feed sales, pharmaceutical sales or other animal science related jobs.

**The first year of this concentration may be completed through online instruction. On-campus attendance will be required for the last year.**

**Required Core Courses (15 hours)**

| | | |
|---|---|---|
| AG | 101 | Animal Science (3) |
| AG | 250 | Feeding and Nutrition (3) |
| AG | 260 | Genetics in Animal Science (3) |
| AG | 421 | Advanced Feeding and Nutrition (3) |
| AG | 433 | Veterinary Science (3) |

**Select one course from the following (3 hours):**

| | | |
|---|---|---|
| AG | 325 | Animal Physiology (3) |
| AG | 450 | Reproductive Physiology (3) |

**Select two courses from the following (6 hours):**

| | | |
|---|---|---|
| AG | 300 | Artificial Insemination (3) |
| AG | 320 | Horse Production and Management (3) |
| AG | 348 | Swine Production (3) |
| AG | 349 | Small Ruminant Production (3) |
| AG | 351 | Beef Production (3) |

### Career and Technical Education

The career and technical education concentration is designed to prepare career and technical education instructors and trainers to teach in secondary schools, community and technical colleges, trade and technical institutes, and in business and industry settings. Students who have the ability to complete CTED 481 Supervised Classroom Internship should pursue the Bachelor of Occupational Education degree, see Page 65 for additional information.

**Note:** This concentration does not meet the requirements for New Mexico Secondary 7-12 vocational licensure.

**This concentration can be completed through online instruction.**

**Required Courses (24 hours)**

| | | |
|---|---|---|
| *PSY | 202 | Adolescent Psychology (3) |
| CTED | 301 | CTE Foundations (3) |
| CTED | 302 | Instructional Facility Design (3) |
| CTED | 303 | CTE Curriculum Development (3) |
| **CTED | 304 | The Global Workforce (3) |
| CTED | 401 | CTE Leadership (3) |
| CTED | 480 | Methods of Teaching CTE (3) |
| SPED | 300 | Introduction to Special Education (3) |

*May also be used to satisfy General Education Requirements.

**May also meet the upper-division Diversity/Global Requirement.

### Criminal Justice/Sociology

The criminal justice/sociology concentration is designed to provide an opportunity for law enforcement personnel and individuals in related fields to earn a bachelor's degree while working full-time. Students seeking career advancement or an opportunity to broaden their employment options will benefit from this interdisciplinary approach to professional development. Students who would benefit from this concentration include individuals with backgrounds in corrections, criminal justice, law enforcement, paralegal studies, and probation and parole.

Certified law enforcement personnel can receive college credit for their New Mexico law enforcement training and certification. This credit will be applied to satisfy the B.A.A.S. primary concentration requirement. Eligible students must present a certified copy of the certification information issued by the state of New Mexico. Current or former military personnel can request the American Council on Education (ACE) to review their military training and experience for credit recommendations. College credit can be awarded based

on the ACE recommendation. This credit will be applied toward satisfying the B.A.A.S. primary concentration requirement.

**This concentration can be completed through online instruction.**

**Required Core Courses (24 hours)**

| | | |
|---|---|---|
| CJ | 102 | Introduction to Criminal Justice (3) |
| CJ | 301 | Criminal Law and the Courts (3) |
| **CJ | 310 | Comparative Criminal Justice (3) |
| CJ | 312 | Criminology (3) |
| *SOC | 101 | Introduction to Sociology (3) |
| SOC | 303 | Race, Ethnicity and Gender (3) |
| SOC | 311 | Collective Behavior and Social Movements (3) **OR** |
| SOC | 324 | Social Psychology (3) |
| SOC | 431 | Deviant Behavior (3) |

**Select one course from the following (3 hours):**

| | | |
|---|---|---|
| CJ | 245 | Corrections (3) |
| CJ | 432 | Police and Society (3) |
| CJ | 457 | Probation and Parole (3) |

**Also complete any SOC course offered through the Portales campus (3 hours).**

*May also be used to satisfy a General Education Requirement.

**May also meet the upper-division Diversity/Global Requirement.

## Culinary Arts

The culinary arts concentration is designed to prepare individuals to succeed in the hospitality industry, including professional cookery and hotel administration. Additionally, this knowledge will enhance the previously gained skill sets from a two-year culinary degree.

**This concentration can be completed through online instruction.**

**Required Courses (24 hours)**

| | | |
|---|---|---|
| CA | 300 | History of Cooking (3) |
| CA | 496 | Culinary Arts Internship (3) |
| FCS | 348 | Food and Cultures (3) |
| FCS | 461 | Family Resource Management (3) |
| HRTM | 320 | Hospitality Facilities Management (3) |
| HRTM | 410 | Food Operations Management (3) |
| HRTM | 420 | Bar and Beverage Management (3) |
| MGT | 313 | Organizational Behavior (3) |

## Diverse Populations and Age Groups

This concentration was designed to assist individuals working with diverse populations to develop a better understanding of interrelated dimensions that can influence health and wellness. Students can select from a wide range of courses that view these concepts from different perspectives. Students also have the ability to focus on specific populations or age groups. Individuals who may benefit from this concentration include health care and community service professionals, and those employed in related fields.

**This concentration can be completed through online instruction.**

**Note:** Some SWK courses may be delivered online through live Mediasite video; there is an expectation that students will participate at the scheduled time.

**Select one of the following (3 hours):**

| | | |
|---|---|---|
| PSY | 200 | Human Growth and Development (3) |
| *PSY | 201 | Child Psychology (3) |
| *PSY | 202 | Adolescent Psychology (3) |

**Select eight (24 hours) courses from the following: at least five courses must be upper-division. Each of these courses may require prerequisites. Check catalog or discuss with advisor.**

| | | |
|---|---|---|
| BLED | 350 | Cultural and Linguistic Pluralism (3) |
| CDIS | 243 | Survey of Communicative Disorders (3) |
| **CDIS | 320 | Issues in Disability (3) |
| ECE | 280 | Family and Community Collaboration (3) |
| ECE | 481 | Research in Child Growth, Development and Learning (3) |
| *FCS | 221 | Child Growth, Development and Learning (3) |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| FCS | 348 | Food and Cultures (3) |
| FCS | 356 | Nutrition for Women and Children (3) |
| FCS | 404 | Community Nutrition (3) |
| FCS | 410 | Nutrition and Aging |
| FCS | 405 | Nutritional Influences on Health (3) |
| **NURS | 312 | Global Health Care (3) |
| PSY | 300 | Psychology of Adult Development (3) |
| PSY | 402 | Abnormal Psychology (3) |
| **SOC | 302 | Racial and Ethnic Relations (3) |
| SOC | 415 | Sociology of the Family (3) |
| SPED | 300 | Introduction to Special Education (3) |
| SWK | 201 | Introduction to Social Work (3) |
| SWK | 321 | Human Behavior in the Social Environment (3) |
| SWK | 334 | Introduction to Social Research (3) |
| SWK | 345 | Working with Aging Populations (3) |
| SWK | 349 | Perspectives in Mental Health (3) |
| SWK | 416 | Public Child Welfare (3) |

**Additional Recommended Course (4 hours)**

| | | |
|---|---|---|
| *STAT | 213 | Statistics (4) |

*May also be used to satisfy General Education Requirements.

**May also meet the upper-division Diversity/Global Requirement.

## Electronics Engineering Technology

Students who complete the B.A.A.S. degree with an emphasis in electronics engineering technology will gain advanced knowledge in one or more of the following areas: digital design, digital electronics, computer architecture, electronics, communications, control, renewable energy and circuits. After completing the required core courses, students have the option of focusing on one or more of the elective specialty areas. Depending on the core upper-level EET courses completed, graduates may pursue careers in: designing, testing and maintaining digital electronic circuits and systems, PLD programming and operations, applications of computer and microprocessor in system design development, testing and maintenance of electrical and electronic circuits, renewable energy technology industry, industries requiring PLC operation and programming, or supervising and maintaining electronic equipment such as communication systems.

**This concentration can be completed through online instruction.**

**Required Core Courses (18 hours)**

| | | |
|---|---|---|
| EET | 110/L | Circuit Analysis I (3) |
| EET | 131 | Introduction to Engineering with MATLAB (3) |
| EET | 210/L | Circuit Analysis II (3) |
| EET | 237/L | Semiconductor Devices I (3) |
| EET | 241/L | Logic Circuits (3) |
| EET | 242/L | Sequential Circuits and Applications (3) |

**Select five courses from the following (15 hours):**

| | | |
|---|---|---|
| EET | 302/L | Industrial Electronics (3) |
| EET | 310/L | Linear Systems Analysis (3) |
| EET | 337/L | Semiconductor Devices II (3) |
| EET | 340 | Introduction to Computer Organization and Architecture (3) |
| EET | 342 | Modern Computer Architecture (3) |
| EET | 357/L | Electronic Communications I (3) |
| EET | 402/L | Renewable Energy Technology (3) |
| EET | 437/L | Semiconductor Devices III (3) |
| EET | 441/L | Circuit Design With PLDs (3) |
| EET | 450/L | Control Systems |
| EET | 457/L | Electronic Communications II (3) |
| EET | 472/L | Microprocessor and Microcomputer Interfacing/Microprocessor (3) |
| EET | 490 | Capstone (3) |

**Additional Required Courses (7-11 hours)**

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) |
| *MATH | 120 | Trigonometry (3) |
| *MATH | 124 | Calculus I (4) prerequisite for EET 310 or EET 450 |

*May also be used to satisfy a General Education Requirement.

## Electronics Engineering Technology (Analog)

Students who complete the B.A.A.S. degree with an emphasis in analog electronics will gain advanced knowledge in one or more of the following areas: electronics, communications, control, renewable energy and circuits. Depending on the core upper level EET courses completed, graduates may pursue careers in: development, testing, and maintenance of electrical and electronic circuits, renewable energy technology industry, industries requiring PLC operation and programming, or supervising and maintaining electronic equipment such as communication systems.

**This concentration can be completed through online instruction.**

**Required Core Courses (12 hours)**

| | | |
|---|---|---|
| EET | 110/L | Circuit Analysis I (3) |
| EET | 210/L | Circuit Analyses II (3) |
| EET | 237/L | Semiconductor Devices I (3) |
| EET | 337/L | Semiconductor Devices II (3) |

**Select four courses from the following (12 hours):**

| | | |
|---|---|---|
| EET | 302/L | Industrial Electronics (3) |
| EET | 310/L | Linear Systems Analysis (3) |
| EET | 357/L | Electronic Communications I (3) |
| EET | 402/L | Renewable Energy Technology (3) |
| EET | 437/L | Semiconductor Devices III (3) |
| EET | 450/L | Control Systems (3) |
| EET | 457/L | Electronic Communications II (3) |
| EET | 490 | Capstone (3) |

**Additional Required Courses (7-14 hours)**

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) |
| *MATH | 120 | Trigonometry (3) |
| *MATH | 124 | Calculus I (4) prerequisite for EET 310 or EET 450 |
| EET | 131 | Introduction to Engineering with MATLAB (3) prerequisite for EET 310 or EET 402 or EET 450 |

*May also be used to satisfy a General Education Requirement.

## Electronics Engineering Technology (Digital)

Students who complete the B.A.A.S. degree with an emphasis in digital electronics will gain advanced knowledge in digital design, digital electronics, and computer architecture and design. Graduates may pursue careers in: designing, testing and maintaining digital electronic circuits and systems, PLD programming and operations, and applications of computer and microprocessor in system design.

**This concentration can be completed through online instruction.**

**Required Courses (24 hours)**

| | | |
|---|---|---|
| EET | 110/L | Circuit Analysis I (3) |
| EET | 241/L | Logic Circuits (3) |
| EET | 242 | Sequential Circuits and Applications (3) |
| EET | 340 | Introduction to Computer Organization and Architecture (3) |
| EET | 342 | Modern Computer Architecture (3) |
| EET | 441/L | Circuit Design With PLDs (3) |
| EET | 472/L | Microprocessor and Microcomputer Interfacing/Microprocessor (3) |
| EET | 490 | Capstone (3) |

**Additional Required Courses (4 hours)**

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) |

*May also be used to satisfy a General Education Requirement.

## Emergency Management

Emergency management is the discipline of dealing with and avoiding risk through emergency preparedness, response, recovery and mitigation. Successful emergency management involves individuals, groups and communities working together to manage hazards. As such, effective emergency management relies on thorough integration of emergency plans at all levels of government and non-government involvement. In order to build disaster resistant and resilient communities, a broad range of college students and professionals need courses that introduce them to hazards, risk, vulnerability, disasters and what to do about them.

To meet this need, Eastern New Mexico University offers specific courses in emergency management designed for criminal justice, law enforcement/police science, fire science, EMS, forest service/BLM and military science leaders working in base operability and other similar employment situations. Individuals working in government and business/industry as well as students taking forensics courses and those studying psychology may find emergency management training useful, see Page 97 for additional information.

**This concentration can be completed through online instruction.**

**Required Courses (30 hours)**

| | | |
|---|---|---|
| EMGT | 302 | Introduction to Emergency Management (3) |
| EMGT | 303 | Emergency Services Administration and Management (3) |
| EMGT | 310 | Disaster Response (3) |
| EMGT | 312 | Disaster Recovery (3) |
| EMGT | 400 | Emergency Preparedness (3) |
| EMGT | 401 | Homeland Security (3) **OR** |
| EMGT | 405 | Public Health Emergencies (3) |
| EMGT | 402 | Legal, Political and Regulatory Issues (3) |
| EMGT | 403 | Community Risk Reduction for Fire and Emergency Services (3) |
| EMGT | 410 | Hazard Mitigation (3) |
| EMGT | 475 | Capstone in Emergency Management (3) |

## Family and Consumer Sciences

The family and consumer sciences concentration has real life components, focusing on skills required for careers that address family and individual needs such as community agencies and social services. In the family and consumer sciences (FCS) concentration, students take classes from each of the five FCS content areas. Upon completion, students are equipped with the following knowledge and skills which form the basis of personal fulfillment and employment:

- nutritional needs at each individual's life stage,
- choosing clothing for the individual and family members,
- attractively designing the home interior,
- family and child welfare, and
- evaluating consumer goods, services and finances.

**This concentration can be completed through online instruction.**

**Required Core Courses (16 hours)**

| | | |
|---|---|---|
| ECE | 481 | Research in Child Growth, Development and Learning (3) |
| FCS | 101 | Orientation and Careers (1) |
| FCS | 131 | Consumer Education (3) |
| FCS | 118 | Human Nutrition (3) **OR** |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| FCS | 353 | Interior Design (3) |
| FCS | 403 | Social/Psychological Aspects of Dress (3) |

**Select three courses from the following (9 hours):**

| | | |
|---|---|---|
| ECE | 280 | Family and Community Collaboration (3) |
| FCS | 213 | Food Science (3) |
| FCS | 234 | Culinary Nutrition (3) |
| FCS | 333 | Family Relationships (3) |
| FCS | 461 | Family Resource Management (3) |
| FCS | | FCS courses or FCS topics courses (3-9 hours) |

## FCS Foods and Nutrition

The family and consumer sciences foods and nutrition concentration focuses on knowledge and skills required in food and nutrition related careers such as wellness programs and social service agencies. Additionally, the gained knowledge and skills will enhance the life skills that can be applied to individuals and families resulting in a higher quality of life.

**This concentration can be completed through online instruction.**

**Required Courses (24 hours)**

**Select from the following courses:**

| | | |
|---|---|---|
| CA | 300 | History of Cooking (3) |
| ECE | 107 | Health, Safety and Nutrition (2) |
| FCS | 118 | Human Nutrition (3) |
| FCS | 213/L | Food Science (3) |
| FCS | 234 | Culinary Nutrition (3) |
| FCS | 318 | Nutrition, Health and Fitness (3) |
| FCS | 335/L | Vegetarian/Vegan Cookery (3) |
| FCS | 348 | Food and Cultures (3) |
| FCS | 356 | Nutrition for Women and Children (3) |
| FCS | 404 | Community Nutrition (3) |
| FCS | 405 | Nutritional Influences on Health (3) |
| FCS | 410 | Nutrition and Aging (3) |
| FCS | 425 | Vitamins and Minerals (3) |

## Fire and Emergency Services Administration

The Fire and Emergency Services Administration (FESA) concentration is designed to provide the fundamental leadership skills for fire and emergency services supervisory and management personnel to advance their careers. This program is geared for fire and EMS supervisors, managers, chief officers, administrators, state directors, training officers and instructors. Students pursuing this emphasis must have completed their primary concentration in a related field, see Page 97 for additional information.

**This concentration can be completed through online instruction.**

**Required Courses (30 hours)**

| | | |
|---|---|---|
| EMGT | 302 | Introduction to Emergency Management (3) |
| EMGT | 303 | Emergency Services Administration and Management (3) |
| EMGT | 304 | Personnel Management (3) |
| EMGT | 305 | Applications of Fire Research (3) |
| EMGT | 306 | Fire Prevention Organization and Management (3) |
| EMGT | 330 | EMS Operations (3) |
| EMGT | 402 | Legal, Political and Regulatory Issues (3) |
| EMGT | 403 | Community Risk Reduction for Fire and Emergency Services (3) |
| EMGT | 475 | Capstone in Emergency Management (3) |
| *EMGT | | Elective (3) |

*Contact concentration advisor to discuss course options.

## Human and Social Sciences

This concentration was primarily developed for individuals in health related fields seeking a bridge to graduate studies. However, students in other occupational areas will also benefit from this broad range of coursework addressing human behavior and social interaction.

**This concentration can be completed through online instruction.**

**Note:** Some SWK courses may be delivered online through live Media site video; there is an expectation that students will participate at the scheduled time.

**Required Courses (33 hours)**

| | | |
|---|---|---|
| PSY | 101 | Introductory Psychology (3) |
| SOC | 101 | Introduction to Sociology (3) |

**Select one course from the following:**

| | | |
|---|---|---|
| PSY | 200 | Human Growth and Development (3) |
| *PSY | 201 | Child Psychology (3) |
| *PSY | 202 | Adolescent Psychology (3) |

**Select two courses from the following:**

| | | |
|---|---|---|
| **NURS | 312 | Global Health Care (3) |
| PSY | 402 | Abnormal Psychology (3) |
| **SOC | 302 | Racial and Ethnic Relations (3) |
| SWK | 201 | Introduction to Social Work (3) |

**Select two courses from the following:**

| | | |
|---|---|---|
| PSY | 302 | Learning (3) |
| SOC | 311 | Collective Behavior |
| PSY/SOC | 324 | Social Psychology (3) |
| SWK | 321 | Human Behavior in the Social Environment (3) |

**Select two courses from the following:**

| | | |
|---|---|---|
| PSY | 467 | Physiological Psychology (3) |
| SOC | 417 | Sociology of Medicine (3) |
| SOC | 420 | Drugs and Society (3) |
| SWK | 349 | Perspectives in Mental Health (3) |

**Select two courses from the following:**

| | | |
|---|---|---|
| **CDIS | 320 | Issues in Disability (3) |
| PSY | 435 | Cognition (3) |
| SOC | 320 | Social and Cultural Change (3) |
| SOC | 415 | Sociology of the Family (3) |
| SWK | 345 | Working with Aging Populations (3) |

*May also be used to satisfy a General Education Requirement.

**May also meet the upper-division Diversity/Global Requirement.

## Information Systems and Programming Design

Students who complete the B.A.A.S. degree with an emphasis in information systems and programming design will gain advanced knowledge in computer programming and the application of information systems for business. Graduates may pursue careers as a computer programmer, Web developer, computer support specialist, computer network manager or computer systems analyst. Students pursuing this concentration must have completed an associate degree in computer science, computer information systems or a related field.

**This concentration can be completed through online instruction.**

**Required Core Courses (19 hours):**

| | | |
|---|---|---|
| IS | 301 | Information Systems for Managers (3) |
| IS | 315 | Electronic Business Strategy, Architecture and Design (3) |
| IS | 316 | Information Systems Security (3) |
| CS | 220 | Discrete Mathematics for CS (3) |
| CS | 234 | Intermediate Programming (4) |
| CS | 357 | Data Structures (3) |

**Select two courses from the following (6 hours):**

| | | |
|---|---|---|
| CS | 451 | Design and Analysis of Algorithms (3) |
| IS | 343 | Database Management Systems (3) |
| IS | 420 | Systems Analysis and Design (3) |
| IS | 430 | Advanced Web Development (3) |
| IS | 435 | Network Infrastructure Design (3) |
| IS | 440 | Server Operating Systems (3) |
| IS | 460 | Project Management (3) |

**Additional Required Courses (8 hours)**

**These may have been completed as part of the associate degree.**

| | | |
|---|---|---|
| CS | 123 | Computer Science I (4) |
| *MATH | 119 | College Algebra (4)–prerequisite for CS 220 |

*May also be used to satisfy a General Education Requirement.

## Liberal Arts

This is a flexible concentration that allows students to focus on areas of study that will contribute to their professional development. Liberal arts studies provide skills and abilities that are relevant to every career field and prepare the individual for a lifetime of learning. Students pursuing this concentration complete a balanced selection of coursework and an in-depth study in a single discipline.

**This concentration can be completed through online instruction.**

**Required Courses (30 hours)**

**Select one course from the following:**

| | | |
|---|---|---|
| *HIST | 101 | Survey of American History to 1877 (3) |
| *HIST | 102 | Survey of American History since 1877 (3) |
| *HIST | 121 | Survey of Western Civilization to 1500 (3) |
| *HIST | 122 | Survey of Western Civilization since 1500 (3) |

**Select one course from the following:**

| | | |
|---|---|---|
| *PSCI | 101 | Introduction to Political Science (3) |
| *PSCI | 102 | American National Government (3) |

**Select one course from the following:**

| | | |
|---|---|---|
| *PSY | 101 | Introductory Psychology (3) |
| *SOC | 101 | Introduction to Sociology (3) |
| *SOC | 212 | Contemporary Social Issues (3) |

**Select one course from the following:**

| | | |
|---|---|---|
| *REL | 101 | Old Testament Survey (3) |
| *REL | 103 | New Testament Survey (3) |
| *REL | 107 | Introduction to Religion (3) |

**Select one course from the following:**

| | | |
|---|---|---|
| **PSY | 312 | Psychology of Global Political Behavior (3) |
| PSY | 324 | Social Psychology (3) |
| SOC | 320 | Social and Cultural Change (3) |

**Also, complete any five upper-division (300-/400-level) courses in one area from HIST, REL, PSCI, PSY or SOC.**

*May also be used to satisfy a General Education Requirement.

**May also meet the upper-division Diversity/Global Requirement.

## Pre-Professional Education

The pre-professional education concentration is designed to introduce students to the field of education by providing broad exposure to various educational disciplines.

**Who will benefit from this concentration?**

Community members–this emphasis will provide a heightened awareness of various educational disciplines. Participants can become more effective supporters of education in the community.

Individuals interested in the field of counseling–this emphasis will provide a background in various educational disciplines.

Individuals interested in the field of education–exposure to the various educational disciplines will allow individuals to determine their level of interest in teaching and aid in determining the discipline that meets their career objectives. Furthermore, some coursework could be applied to meet future licensure requirements.

Parents–this introduction to the field of education will improve the individual's understanding of the educational process. Parents can become more effective participants in their children's education and will be better prepared to work with the local school district.

**Note:** This emphasis does not meet New Mexico teacher licensure requirements.

**This concentration can be completed through online instruction.**

**Required Courses (24-27 hours)**

**Development of Individuals–select one course from the following**:

| | | |
|---|---|---|
| *FCS | 221 | Child Growth, Development and Learning (3) |
| *PSY | 201 | Child Psychology (3) |
| *PSY | 202 | Adolescent Psychology (3) |
| PSY | 300 | Psychology of Adult Development (3) |

**Foundations:**

| | | |
|---|---|---|
| CTED | 301 | CTE Foundations (3) |
| EDF | 301 | Foundations of Schooling (3) |

**Overview of Education:**

| | | |
|---|---|---|
| SPED | 300 | Introduction to Special Education (3) |
| BLED | 350 | Cultural and Linguistic Pluralism (3) |
| ECE | 280 | Family and Community Collaboration I (3) |

**Educational Strategies:**

| | | |
|---|---|---|
| EDF | 309 | Technology for the Classroom (3) |
| RED | 496 | Elementary Content Area Literacy (3) |

**Additional Required Course**–only required if PSY 300 is selected

| | | |
|---|---|---|
| *PSY | 101 | Introduction to Psychology (3) |

*May also be used to satisfy a General Education Requirement.

## Religion

This concentration provides an opportunity for students to pursue moral and spiritual development through the study of religion. Students complete foundational courses in the Testaments and religious history, and then select additional coursework based on their personal interest.

**This concentration can be completed through online instruction.**

**Required Core Courses (15 hours):**

| | | |
|---|---|---|
| REL | 101 | Old Testament Survey (3) |
| REL | 103 | New Testament Survey (3) |
| REL | 201 | Principles of Textual Interpretation (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) |

**Complete any three upper-division (300-/400-level) REL courses offered through the Portales campus (9 hours).**

## Science

The science concentration is designed for students who will benefit from advanced studies in one or more of the available science disciplines.

**This concentration is not available through online instruction.**

**Required Courses (32 hours)**

**Complete four courses with labs from the following (16 hours):**

| | | |
|---|---|---|
| *BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| *BIOL | 155/L | General Biology II: Organismic through Superorganismic Biology (4) |
| *CHEM | 151/L | General Chemistry I (4) |
| *CHEM | 152/L | General Chemistry II (4) |
| *GEOL | 151/L | Physical Geology (4) |

**Complete four upper-division courses with labs (300-/400-level) from the following science disciplines: ***BIOL, CHEM or GEOL (16 hours).

**Notes:**

*May also be used to satisfy a General Education Requirement.

**Each of these courses may require prerequisites. Check catalog or discuss with advisor.

***Students electing to pursue biology should plan to take BIOL 304/L and 306/L as these are prerequisites for many of the upper-division biology courses.

# 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.

The college focuses 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. 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 the University and community, both during the daytime and evening hours.

Degree programs provide backgrounds in the fine arts and career-oriented 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 (B.S.) and Bachelor of Arts (B.A.), the College of Fine Arts awards the Bachelor of Fine Arts (B.F.A.), the Bachelor of Music (B.M.) and the Bachelor of Music Education (B.M.E.). The B.M.E. qualifies students to teach in either choral or instrumental music, grades K-12.

## College of Fine Arts Programs and Degrees Offered

| | Minor | Major | Emphasis | Endorsement Area/ Minor for Licensure | Degree |
|---|---|---|---|---|---|
| **Department of Art** | | | | | |
| Art | | * | | | A.A., B.F.A. |
| Graphic Design | * | | * | | B.F.A. |
| Visual Arts | * | | * | * | B.F.A. |
| **Department of Communication** | | | | | |
| Broadcast Media | * | | | | |
| Communication | | * | | | B.A., B.S. |
| Broadcast Journalism | | | * | | |
| Broadcast Production | | | * | | |
| Journalism | * | | * | | |
| Public Relations | | | * | | |
| Communication Studies | * | | | | |
| **Department of Music** | | | | | |
| Fine Arts | * | | | | |
| Music | * | * | | | B.M., B.S. |
| Instrumental Performance | | | * | | B.M. |
| Piano Performance | | | * | | B.M. |
| Vocal Performance | | | * | | B.M. |
| Music Composition | * | | | | |
| Music Education | | * | | | B.M.E. |
| Choral | | | * | | |
| Instrumental | | | * | | |
| Music Technology | * | | | | |
| Performing Arts/Composite | | | | * | |
| Performing Arts/Music | | | | * | |
| Piano | * | | | | |
| **Department of Theatre and Digital Filmmaking** | | | | | |
| Digital Filmmaking | * | * | | | B.S. |
| Theatre | * | * | | | B.A., B.S. |

# Department of Art

**Professors:** William Gregory Erf
Maureen (Mic) Muhlbauer
Gregory Senn
**Associate Professor:** Bradford Hamann
**Assistant Professor:** David Deal

The Department of Art offers students quality baccalaureate programs designed to develop their conceptual and technical capabilities and 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 year-round, changing art exhibitions in the Runnels Gallery.

Major programs in art leading to a B.F.A. degree include: (1) emphasis in visual arts, which stresses knowledge in both two-dimensional and three-dimensional materials in pursuit of personal expression. The visual arts 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; (2) emphasis in graphic design, which stresses the development of expertise in advertising art, package design, publication design, computer graphics and animation, digital illustration, and Web/mobile device design. Each emphasis area provides specific and rigorous training beyond the foundational art studies of the core and therefore, art majors are not required to pursue a minor course of studies. However, students majoring in art must select one of the following emphases: visual arts or graphic design.

### Foundation Program

The foundation program provides an interdisciplinary approach to the arts. This interdisciplinary approach exposes each student to a wide variety of techniques, methods and concepts common to the creative disciplines. It is designed to develop visual literacy as well as to encourage growth in artistic perception.

Through this introduction to a variety of ideas and techniques, using materials in two-dimensional and three-dimensional design and drawing, 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.

### Visual Arts Program

The visual arts 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.

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 of the profession of art outside the studio, such as marketing strategies, exhibition of work in galleries and other public venues, pricing of one's work, 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/or websites/mobile devices designed with high-tech computer animation, graphics and moving graphics.

The graphic design program requires the study of drawing, graphic design history, two-dimensional and three-dimensional structure, typography, and digital imaging. Intensive study in these areas provides the student with the experience and expertise to uniquely capture the consumer's attention, and to intrigue and make the consumer actively want to stop and read. This program includes courses focusing on publication design, Web design, typography, portfolio development and career management.

### Access to Facilities

All students majoring in art have access to the following art facilities: drawing studio, design studio, framing studio, painting studio, printing making and finishing studio, ceramics studio, photography studio, green screen studio, metals and wood workshop, editing and preview studio, and graphic design computer laboratory.

The Department of Art offers majors in the program access to art studios and computer labs throughout the year while classes are in session. Open lab hours are determined each semester based on departmental needs and are subject to change. Majors may only access facilities during designated open studio/laboratory hours. Majors are granted student identification card swipe access to all art studios/labs with the exclusion of the metal/wood workshop.

### Other Guidelines

Laboratory fees are required in many art courses. Students taking ART 210 Photography are required to have at minimum an inexpensive 35 mm camera with adjustable shutter speeds and F-stops. Graphic design majors are required to have a minimum one-terabyte external hard drive for all computer lab related courses. Students should consult with faculty for further specifics. Laboratory fees may not cover all required materials for a given art course. Students are expected to furnish additional materials not covered by laboratory fees. Eastern New Mexico University or its agents are not liable for damages from fire, water, theft or vandalization of personal property or to any student work.

## Bachelor of Fine Arts (B.F.A.) Degree

Students may major in art while pursuing a Bachelor of Fine Arts degree. Students must select from one of the following emphasis areas: visual arts or graphic design. Descriptions of ART courses begin on Page 133.

### Art Core Requirements (18 hours)

| | | |
|---|---|---|
| ART | 101 | Beginning Drawing (3) |
| ART | 135 | Design I (3) |
| ART | 136 | Design II (3) |
| ART | 137 | Drawing II (3) |
| *ART | 165 | Art History I (3) |
| *ART | 166 | Art History II (3) |

* May also be used to satisfy a General Education Requirement.

## Degree: Bachelor of Fine Arts (B.F.A.)
## Major: Art
## Emphasis: Visual Arts

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.F.A. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Art Core Requirements (18 hours), see Page 77.**
4. **Visual Art Requirements (42 hours).**

| | | |
|---|---|---|
| ART | 221 | Painting I (3) |
| ART | 222 | Painting II (3) |
| ART | 241 | Sculpture (3) |
| ART | 271 | Jewelry (3) |
| ART | 306 | Watercolor Illustration (3) |
| ART | 312 | Drawing Projects (3) |
| ART | 318 | Jewelry Projects **OR** |
| ART | 423 | Sculpture Projects (3) |
| ART | 324 | Figure Drawing I (3) |
| ART | 325 | Figure Drawing II (3) |
| ART | 367 | History of Design (3) |
| ART | 417 | Painting Projects (3) |
| ART | 482 | Senior Portfolio Design (3) |

   Students must also complete two upper-division (300-/400-level) ART courses (6).

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Fine Arts (B.F.A.)
## Major: Art
## Emphasis: Graphic Design

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.F.A. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Art Core Requirements (18 hours), see Page 77.**
4. **Graphic Design Art Requirements (42 hours).**

| | | |
|---|---|---|
| ART | 142 | Digital Media I (3) |
| ART | 143 | Digital Media II (3) |
| ART | 212 | Graphic Design I (3) |
| ART | 213 | Graphic Design II (3) |
| ART | 304 | History of Graphic Design (3) |
| ART | 307 | Typography (3) |
| ART | 326 | Web Design I (3) |
| ART | 327 | Web Design II (3) |
| ART | 328 | Digital Editing (3) |
| ART | 329 | Motion Graphics I (3) |
| ART | 330 | Motion Graphics II (3) |
| ART | 340 | Publication Design (3) |
| ART | 419 | Graphic Design Projects (3) |
| ART | 482 | Senior Portfolio Design (3) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Associate of Arts (A.A.)
## Major: Art

1. **Associate Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41.**
3. **Art Course Requirements (33 hours).**

| | | |
|---|---|---|
| ART | 101 | Beginning Drawing (3) |
| ART | 135 | Design I (3) |
| ART | 136 | Design II (3) |
| ART | 137 | Drawing II (3) |
| ART | 142 | Digital Media I (3) |
| ART | 143 | Digital Media II (3) |
| ART | 165 | Art History I (3) |
| ART | 166 | Art History II (3) |
| ART | 210 | Photography (3) |
| ART | 221 | Painting I (3) |
| ART | 231 | Ceramics (3) **OR** |
| ART | 271 | Jewelry (3) |

4. **Electives to complete a minimum of 64 hours.**

## Subject Matter Endorsement (24 hours)
## Area/Minor: Visual Arts
## Licensure: Elementary Only

**Note:** GPA of 3.00 is required in the endorsement area.

**Art Core Requirements (24 hours).**

| | | |
|---|---|---|
| ART | 101 | Beginning Drawing (3) |
| ART | 135 | Design I (3) |
| ART | 136 | Design II (3) |
| ART | 142 | Digital Media I (3) |
| *ART | 165 | Art History I (3) |
| *ART | 166 | Art History II (3) |

**Select six additional hours from the following:**

| | | |
|---|---|---|
| ART | 137 | Drawing II (3) |
| ART | 143 | Digital Media II (3) |
| ART | 210 | Photography (3) |
| ART | 221 | Painting I (3) |
| ART | 231 | Ceramics (3) |
| ART | 271 | Jewelry (3) |
| ART | 364 | Modern and Postmodern Art (3) |

*May also be used to satisfy General Education Requirements.

## Minor: Visual Arts

**Note:** Students earning a major in art may not minor in visual arts.

**Art Course Requirements (18 hours).**

| | | |
|---|---|---|
| ART | 101 | Beginning Drawing (3) |
| ART | 135 | Design I (3) |
| ART | 136 | Design II (3) |
| ART | 137 | Drawing II (3) |

**Select two courses from the following:**

| | | |
|---|---|---|
| ART | 210 | Photography (3) |
| ART | 221 | Painting I (3) |
| ART | 231 | Ceramics (3) |
| ART | 271 | Jewelry (3) |

## Minor: Graphic Design

**Note:** Students earning a major in art may not minor in graphic design.

**Art Course Requirements (18 hours).**

| | | |
|---|---|---|
| ART | 135 | Design I (3) |
| ART | 136 | Design II (3) |
| ART | 142 | Digital Media I (3) |
| ART | 143 | Digital Media II (3) |
| ART | 212 | Graphic Design I (3) |
| ART | 213 | Graphic Design II (3) |

## Suggested Programs of Study in Art

For specific information on particular degree plans, see advisor.

### Visual Arts:

1. First year students should take ART 101, 135, 136, 137, 165, 166.
2. Sophomores should take ART 221, 222, 241, 271, 324, 325.
3. Juniors should take ART 306, 312, 318 **OR** 423, 367, 417.
4. Seniors should take ART 482.

### Graphic Design:

1. First year students should take ART 101, 135, 136, 137, 142, 143.
2. Sophomores should take ART 165, 166, 212, 213, 307, 328.
3. Juniors should take ART 304, 326, 327, 329, 330, 340.
4. Seniors should take ART 419, 482.

# Department of Communication

**Associate Professor:** Patricia A. Dobson
**Assistant Professor:** Chad Painter
**Instructors:** Lonzo Lassiter
Colt Owens

The Department of Communication offers students a foundation in mass communication with studies in specialized fields. The program combines theory and research with hands-on experience to enhance student learning.

The Department of Communication is dedicated to preparing students to meet the challenges of a media-convergent society by providing instruction in theory and skill development in message construction in all of its many forms. Students explore the rich history and tradition of communication, from its theories to practices, from critical analysis of messages to ethical responsibility in communication. Graduates of the program should demonstrate the ability to express ideas effectively as they relate to the communication field, think critically and make ethical decisions and demonstrate appropriate command of communication theory.

The program requires intensive study and application of critical thinking and research skills. It culminates in a bachelor's degree in communication with an emphasis in journalism, public relations, broadcast journalism or broadcast production. Description of COMM courses begins on Page 141.

## Communication Core Requirements (24 hours)

| | | |
|---|---|---|
| COMM | 103 | Introduction to Mass Communication (3) |
| COMM | 110 | Beginning Television Production (3) |
| COMM | 204 | Foundational Writing for Communication (3) |
| COMM | 205 | Beginning Reporting (3) |
| COMM | 300 | Introduction to Communication Theory (3) |
| COMM | 410 | Applied Writing for Media (3) |
| COMM | 415 | Media Ethics (3) |
| COMM | 498 | Senior Seminar (3) |

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Communication
## Emphasis: Broadcast Journalism

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Communication Core Requirements (24 hours), see Page 80.**
4. **Broadcast Journalism Emphasis Requirements (29 hours).**

| | | |
|---|---|---|
| ART | 142 | Digital Media I (3) |
| ART | 326 | Web Design I (3) |
| COMM | 210 | Audio Production (3) |
| COMM | 220 | Intermediate Television Production (3) |
| COMM | 302 | TV Field Reporting (3) |
| COMM | 311 | Editing (3) |
| COMM | 327 | Broadcast Journalism (3) |
| COMM | 344A | Broadcast Practicum (2) |
| COMM | 344B | Broadcast Practicum (2) |
| COMM | 344C | Broadcast Practicum (2) |
| COMM | 344D | Broadcast Practicum (2) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Communication
## Emphasis: Broadcast Production

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Communication Core Requirements (24 hours), see Page 80.**
4. **Broadcast Production Emphasis Requirements (29 hours).**

| | | |
|---|---|---|
| ART | 142 | Digital Media I (3) |
| COMM | 210 | Audio Production (3) |
| COMM | 220 | Intermediate Television Production (3) |
| COMM | 311 | Editing (3) |
| COMM | 344A | Broadcast Practicum (2) |
| COMM | 344B | Broadcast Practicum (2) |
| COMM | 344C | Broadcast Practicum (2) |
| COMM | 344D | Broadcast Practicum (2) |
| COMM | 420 | Documentary Writing and Production (3) **OR** |
| COMM | 422/L | Directing for Television (3) |

   Students must also complete 6 upper-division (300-/400-level) COMM credits.

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Arts (B.A.) Bachelor of Science (B.S.)
## Major: Communication
## Emphasis: Journalism

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Communication Core Requirements (24 hours), see Page 80.**
4. **Journalism Emphasis Requirements (29 hours).**

| | | |
|---|---|---|
| ART | 142 | Digital Media I (3) |
| ART | 326 | Web Design I (3) |
| COMM | 212 | Introduction to Digital Photography (3) |
| COMM | 304 | Intermediate Reporting (3) |
| COMM | 360A | Journalism/PR Practicum (2) |
| COMM | 360B | Journalism/PR Practicum (2) |
| COMM | 360C | Journalism/PR Practicum (2) |
| COMM | 402 | Feature Writing (3) |
| COMM | 412 | Photojournalism (3) |

   Students must also complete 5 upper-division (300-/400-level) COMM credits.

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Communication
## Emphasis: Public Relations

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Communication Core Requirements (24 hours), see Page 80.**
4. **Public Relations Emphasis Requirements (29 hours).**

| | | |
|---|---|---|
| ART | 143 | Digital Media II (3) |
| ART | 340 | Publication Design (3) |
| COMM | 212 | Introduction to Digital Photography (3) |
| COMM | 260 | Introduction to Public Relations (3) |
| COMM | 303 | Public Relations Techniques (3) |
| COMM | 360A | Journalism/PR Practicum (2) |
| COMM | 360B | Journalism/PR Practicum (2) |
| COMM | 360C | Journalism/PR Practicum (2) |
| COMM | 460 | Public Relations Cases and Campaigns (3) |

Students must also complete any 5 upper-division (300-/400-level) COMM credits.

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Communication Studies

**Note:** Students earning a major in communication may not also minor in communication studies.

**Course Requirements (15 hours).**

| | | |
|---|---|---|
| COMM | 102 | Public Speaking (3) |
| COMM | 300 | Introduction to Communication Theory (3) |
| COMM | 330 | Power Games: Politics and Media (3) |
| COMM | 334 | Persuasive Communication (3) |

Students must also complete 3 hours from the following courses:
COMM 310, 331, 380, 390, 470, 475, 477, 493
(if the special topics offering is a communication studies course)

## Minor: Journalism

**Note:** Students earning a major in communication may not also minor in journalism.

**Course Requirements (15 hours).**

| | | |
|---|---|---|
| COMM | 103 | Introduction to Mass Communication (3) |
| COMM | 204 | Foundational Writing for Communication (3) |
| COMM | 205 | Beginning Reporting (3) |
| COMM | 304 | Intermediate Reporting (3) |
| COMM | 402 | Advanced Reporting (3) |

## Minor: Broadcast Media

**Note:** Students earning a major in communication may not also minor in broadcast media.

**Course Requirements (18 hours).**

| | | |
|---|---|---|
| COMM | 103 | Introduction to Mass Communication (3) |
| COMM | 110 | Beginning Television Production (3) |
| COMM | 205 | Beginning Reporting (3) |
| COMM | 210 | Audio Production (3) |
| COMM | 220 | Intermediate Television Production (3) |
| COMM | 327 | Broadcast Journalism (3) |

## Suggested Programs of Study in Communication

For specific information on particular degree plans, see advisor.

**Broadcast Journalism:**

1. First year students should take COMM 103, 110.
2. Sophomores should take COMM 204, 205, 210, 220, 344A; ART 142.
3. Juniors should take COMM 300, 302, 327, 311, 344B, 344C.
4. Seniors should take COMM 344D, 410, 415, 498; ART 326.

**Broadcast Production:**

1. First year students should take COMM 103, 110.
2. Sophomores must take COMM 204, 205, 210, 220, 344A; ART 142.
3. Juniors should take COMM 300, 311, 344B, 344C.
4. Seniors should take COMM 344D, 410, 415, 420 or 422/L, 498.

**Journalism:**

1. First year students should take COMM 103, 110.
2. Sophomores should take COMM 204, 205, 212, 360A; ART 142.
3. Juniors should take COMM 300, 304, 360B, 415; ART 326.
4. Seniors should take COMM 360C, 402, 410, 412, 498.

**Public Relations:**

1. First year students should take COMM 103, 110.
2. Sophomores should take COMM 204, 205, 212, 260, 360A; ART 143.
3. Juniors should take COMM 300, 303, 360B; ART 340.
4. Seniors should take COMM 360C, 410, 415, 460, 498.

# Department of Music


**Professors:** Tracy Carr
Mark Dal Porto
John Olsen
B. Jean Wozencraft-Ornellas

**Associate Professors:** Jennifer Laubenthal
Jason Paulk

**Assistant Professors:** Anna Hersey
Richard Schwartz

**Instructors:** Benjamin Fairfield
Kayla Paulk
James O'Neil Rutland
Dustin Seifert
Travis Sherwood


The Department of Music at Eastern New Mexico University provides exceptional professional preparation for music majors and significant educational and aesthetic experiences for the University community and the region it serves. As an entity within a state supported 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.

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 perform a spring assessment during each spring semester enrolled as a music major until two upper-division assessments are satisfactorily completed.

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. At the close of the sophomore year, music majors must pass a sophomore hurdle before moving to upper-division applied lessons or becoming eligible to register for a degree recital. The hurdle serves to assess student progress on their major instrument. The specifics of the hurdle process are determined by each area of study in the department.

Admittance to a music education program does not automatically constitute acceptance into the teacher education program. (See Page 50 for information about teacher education regulations.) Music education majors must have the approval of the discipline faculty and of 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 170. Descriptions for MUS courses begin on Page 167.

Students majoring in music education will complete the Teaching Degree General Education Requirements as found on Page 53 and the Professional Education Requirements listed on Page 56.

## Music Core Requirements (required for all majors for B.S., B.M., B.M.E. degrees) (26 hours)

| | | |
|---|---|---|
| MUS | 163 | Literature of Music (3) |
| MUS | 219 | Recital Attendance (NC) (must complete a total of four semesters of MUS 219) |
| *MUS | 241 | Music Theory I (3) |
| MUS | 242 | Music Theory II (3) |
| MUS | 243 | Aural Skills I (1) |
| MUS | 244 | Aural Skills II (1) |
| MUS | 306 | Conducting I (1) |
| MUS | 333 | History of Music I (3) |
| MUS | 334 | History of Music II (3) |
| MUS | 341 | Music Theory III (3) |
| MUS | 342 | Music Theory IV (3) |
| MUS | 343 | Aural Skills III (1) |
| MUS | 344 | Aural Skills IV (1) |
| MUS | 412 | Assessment (NC) (must complete a total of two semesters of MUS 412) |
| MUS | 419 | Recital Attendance (NC) (must complete a total of three semesters of MUS 419) |

*May also be used to satisfy General Education Requirements.

## Degree: Bachelor of Science (B.S.)
## Major: Music

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Music Core Requirements (26 hours).**
4. **Performance Courses (13 hours).**
   Applied Music (5 hours) (private or class lesson)
   Ensemble (8 hours) (must enroll each semester for a minimum of eight semesters for a minimum of 1 hour per semester; must include four semesters of large ensemble)
5. **Music Electives (5 hours).**
   Academic music classes (non-applied and non-performing)
6. **Capstone Experience (3 hours).**
   MUS 454 Senior Project (3) **OR**
   MUS 459 Internship in Music (3)
7. **Minor in a different field or a second major.**
   **Note:** This major requires a minor. Suggested minors include: music technology (18 hours), see Page 85; broadcast media (18 hours), see Page 81; music composition (20 hours), see Page 85.
8. **Electives to complete a minimum of 120 hours.**

## Degree: Bachelor of Music (B.M.)
## Major: Music
## Emphasis: Piano Performance

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.M. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Music Core Requirements (26 hours), see Page 82.**

**4. Emphasis Requirements (55 hours).**

| | | |
|---|---|---|
| MUS | 220 | Piano (12 hours minimum) |
| MUS | 307 | Junior Recital (1) |
| MUS | 365 | Piano Pedagogy I (3) |
| MUS | 366 | Piano Pedagogy II (3) |
| MUS | 367 | Practicum in Pedagogy (1, 1) (must enroll for a minimum of two semesters) |
| MUS | 405 | Collaborative Piano (2) |
| MUS | 407 | Senior Recital (1) |
| MUS | 411B | Conducting II (1) |
| MUS | 420 | Piano (12 hours minimum) |
| MUS | 452 | Form and Analysis (2) |
| MUS | 464 | Chamber Music Performance (1, 1, 1) (must take 3 hours) |
| MUS | 471 | Piano Literature I (2) |
| MUS | 472 | Piano Literature II (2) |
| PSY | 101 | Introductory Psychology (3) |

**Complete one of the following three courses:**

| | | |
|---|---|---|
| PSY | 200 | Human Growth and Development (3) |
| PSY | 201 | Child Psychology (3) |
| PSY | 202 | Adolescent Psychology (3) |

Large Ensemble, 3 hours (must enroll for a minimum of three semesters)

**5. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Music (B.M.)
## Major: Music
## Emphasis: Instrumental Performance (Winds and Percussion)

**1. Bachelor's Degree Requirements, see page 38.**
**Note:** Students must successfully complete UNIV 101. The B.M. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Music Core Requirements (26 hours), see Page 82.**

**4. Emphasis Requirements (47 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 | 311 | Seminar in Instrumental Literature (2) |
| MUS | 362 | Orchestration and Arranging (2) |
| MUS | 407 | Senior Recital (1) |
| MUS | 411B | Conducting II (1) |
| MUS | 452 | Form and Analysis (2) |

**Must include three hours from the following:**

| | | |
|---|---|---|
| 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) |
| MUED | 324 | High Brass Teaching Techniques (1) |

- 24 hours (minimum) major applied (private lessons), must include 9 hours of upper-division (400-level) instruction
- symphonic band or wind symphony, (7 hours).

**5. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Music (B.M.)
## Major: Music
## Emphasis: Vocal Performance

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. The B.M. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Music Core Requirements (26 hours), see Page 82.**

**4. Emphasis Requirements (64 hours).**

| | | |
|---|---|---|
| ENG | 211 | Introduction to Literature (3) |
| FR | 101 | Beginning French (4) |
| FR | 102 | Continuation of Beginning French (4) |
| MUS | 210 | Voice (8 hours minimum) |
| MUS | 218 | Fundamentals of Piano (1) |
| MUS | 264 | Language Diction I (2) |
| MUS | 263/463 | Stagecraft for Singers (1, 1, 1, 1) (four semesters minimum) |
| MUS | 307 | Junior Recital (1) |
| *MUS | 332 | Functional Piano (1) |
| MUS | 364 | Language Diction II (2) |
| MUS | 367 | Practicum in Pedagogy (1) |
| MUS | 375 | Survey of Music Theatre (3) |
| MUS | 401 | Vocal Literature I (2) |
| MUS | 402 | Vocal Literature II (2) |
| MUS | 407 | Senior Recital (1) |
| MUS | 410 | Voice (12 hours minimum) |
| MUS | 452 | Form and Analysis (2) |
| MUS | 481 | Vocal Pedagogy (3) |

Large Choral Ensemble, 8 hours (must enroll for a minimum of eight semesters).

*All vocal performance students must satisfy a piano proficiency requirement; required courses MUS 218 and MUS 332 are designed as preparation.

**5. This program requires about 123 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Music Education (B.M.E.)
## Major: Music Education
## Emphasis: Choral
## Licensure: Grades K-12

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. The B.M.E. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Teacher General Education Requirements (55–58 hours), see Page 53.**

**3. Music Core Requirements (26 hours), see Page 82.**

**4. Professional Education Course Requirements (39 hours), see Page 56.**

**5. Emphasis Requirements (35-43 hours).**

| | | |
|---|---|---|
| MUS | 210 | Voice (4-8 hours to be determined by vocal area faculty) |
| MUS | 218 | Fundamentals of Piano (1); and completion of piano proficiency |
| MUS | 263/463 | Stagecraft for Singers (1) |
| MUS | 264 | Language Diction I (2) |

| | | |
|---|---|---|
| MUS | 307 | Junior Recital (1) |
| MUS | 332 | Functional Piano (1) |
| MUS | 362 | Orchestration and Arranging (2) |
| MUS | 364 | Language Diction II (2) |
| MUS | 410 | Voice (4-8 hours to be determined by vocal area faculty) |
| MUS | 411A | Conducting II (1) |
| MUS | 481 | Vocal Pedagogy (3) |
| MUED | 378 | Teaching Elementary School Music (3) |
| MUED | 476 | Teaching Secondary School Music (3) |

Seven (7) hours minimum large choral ensemble (must enroll each semester for minimum of seven semesters and a minimum of 1 hour per semester).

**6. This program requires about 152-155 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Music Education (B.M.E.)
## Major: Music Education
## Emphasis: Instrumental (Winds/Percussion)
## Licensure: Grades K-12

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. The B.M.E. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Teacher General Education Requirements (55-58 hours), see Page 53.**

**3. Music Core Requirements (26 hours), see Page 82.**

**4. Professional Education Course Requirements (39 hours), see Page 56.**

**5. Emphasis Requirements (38 hours).**

| | | |
|---|---|---|
| MUS | 114 | Fundamentals of Voice (1) |
| MUS | 307 | Junior Recital (1) |
| MUS | 362 | Orchestration and Arranging (2) |
| MUS | 411B | Conducting II (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 | 324 | High Brass Teaching Techniques (1) |
| 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) |

- Seven (7) hours major applied (private lessons) (3 hours must be upper division)
- Seven (7) hours minimum band (must enroll each semester for a minimum of seven semesters and for a minimum of 1 hour per semester; must include a minimum of three semesters marching band; one semester may include HPE 118 Marching Band for 1 credit)
- One (1) hour minimum piano (completion of MUS 218)

**6. This program requires about 155-158 hours.**

**Note:** This major does not require a minor.

## Minor: Music
(for non-majors, non-teaching minor only)

**Music Requirements (28 hours).**

| | | |
|---|---|---|
| MUS | 163 | Literature of Music (3) |
| MUS | 241 | Music Theory I (3) |
| MUS | 242 | Music Theory II (3) |
| MUS | 243 | Aural Skills I (1) |
| MUS | 244 | Aural Skills II (1) |

- Four (4) hours private lessons
- Four (4) hours ensemble (must enroll each semester for a minimum of four semesters)
- Students must also complete 9 hours of music courses including 6 hours of academic courses.

## Subject Matter Endorsement Area/Minor: Performing Arts/Music (23-25 hours)
## Licensure: Elementary

**Note**: GPA of 3.00 is required in the endorsement area.

**1. Music Core (11-12 hours).**

| | | |
|---|---|---|
| MUS | 163 | Literature of Music (3) |
| MUS | 219 | Recital Attendance (NC) (must complete two semesters) |
| MUS | 241 | Music Theory I (3) |
| MUS | 243 | Aural Skills I (1) |

- Two (2) hours voice
- Completion of piano proficiency (MUS 218 Fundamentals of Piano (1) or equivalent)
- 1-2 hours choral ensemble

**2. Music Education Courses (3 hours).**

| | | |
|---|---|---|
| MUED | 378 | Teaching Elementary School Music (3) |

**3. Select an additional 9-10 hours from the following:**

| | | |
|---|---|---|
| MUS | 119 | Fundamentals of Guitar (1) (may be repeated for a total of two hours) |
| MUS | 242 | Music Theory II (3) |
| MUS | 244 | Aural Skills II (1) |
| *MUS | 306 | Conducting I (1) |
| *MUS | 332 | Functional Piano (1) |
| MUS | 333 | History of Music I (3) |
| MUS | 334 | History of Music II (3) |

Large or Small Instrumental Ensembles (1)
(MUS 269, 469, 274, 474, 296, 496, 297, 497)

*Course requires prerequisites. See course description.

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

**Note:** GPA of 3.00 is required in the endorsement area.

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

## Minor: Fine Arts
(for non-majors, non-teaching minor only)

**Fine Arts Course Requirements (27 hours).**

| | |
|---|---|
| MUS | 6 hours |
| ART | 3 hours |
| THTR | 3 hours |
| DNC | 3 hours |
| Fine Arts Electives | 12 hours |

## Minor: Piano

**Piano Requirements (27-28 hours).**

| | | |
|---|---|---|
| MUS | 163 | Literature of Music (3) |
| MUS | 220/ | |
| | 420 | Piano eight hours (two each semester for four semesters) |
| MUS | 241 | Music Theory I (3) |
| MUS | 242 | Music Theory II (3) |
| MUS | 243 | Aural Skills I (1) |
| MUS | 244 | Aural Skills II (1) |
| MUS | 307 | Junior Recital (1) **OR** 30-minute jury (NC) |
| MUS | 365 | Piano Pedagogy I (3) |
| MUS | 366 | Piano Pedagogy II (3) |
| MUS | 405 | Collaborative Piano (2) **OR** |
| MUS | 471 | Piano Literature I (2) **OR** |
| MUS | 472 | Piano Literature II (2) |

## Minor: Music Technology

**Music Technology Requirements (18 hours).**

**1. Music Technology Core Requirements (12 hours).**

| | | |
|---|---|---|
| MUS | 211 | Sound and Music Technology (3) |
| MUS | 381 | Sound Sequencing and Synthesis (3) |
| MUS | 382 | Audio Production for Music (3) |
| MUS | 270/ | |
| | 470 | Electronic Media (total of 3 hours) |

**2. Music Electives (minimum 6 hours).**

- Any academic music course
- Private Lessons for the major–any instrument (maximum 3 hours)
- Music Ensembles (maximum 4 hours)

## Minor: Music Composition

(music majors only)

**Composition Requirements (20 hours).**

| | | |
|---|---|---|
| MUS | 211 | Sound and Music Technology (3) |
| MUS | 218 | Fundamentals of Piano (1) |
| MUS | 332 | Functional Piano (1) |
| MUS | 362 | Orchestration and Arranging (2) |
| MUS | 381 | Sound Sequencing and Synthesis (3) |
| MUS | 452 | Form and Analysis (2) |
| MUS | 458 | Composition (8) (four semesters of two credits each semester) |

**Note:** MUS 218 (1) and 4 hours of MUS 458 fulfill the 5 hours of applied music required for the B.S. degree in music.

# Department of Theatre and Digital Filmmaking

**Professor:** Janeice Scarbrough
**Associate Professor:** Anne Beck
**Assistant Professors:** Jon Barr
Shelly Short
**Instructor:** James O'Neil Rutland

## Theatre

The mission of the Department of Theatre is to ensure graduates will possess the intellectual, creative and technical skills to self-produce in the modern entertainment industry. Writing, analysis, visual awareness, history of storytelling and performance are the foundation for student success in the dramatic medium. Additionally, students gain essential grounding in the liberal arts by way of recommended electives and general education courses. A high level of commitment and professionalism is expected from all students.

Consistent with University policy, a "D" grade will not count in the student's major or minor programs. Descriptions for THTR courses begin on Page 177.

### Theatre Core Requirements (54 hours)

| | | |
|---|---|---|
| ART | 135 | Design I (3) |
| DFM | 110 | Location Shooting for the Edit (3) |
| DFM | 115 | Dramatic Analysis (3) |
| THTR | 101 | Introduction to Performance (3) **OR** |
| THTR | 121 | Beginning Acting (3) |
| THTR | 102 | Voice and Movement (3) |
| THTR | 202 | Acting for the Camera I (3) |
| THTR | 204 | Stagecraft and Graphics (3) |
| THTR | 213 | Theatre History I (3) |
| THTR | 214 | Theatre History II (3) |
| THTR | 301 | Intermediate Acting (3) |
| THTR | 303 | Directing Actors (3) |
| THTR | 321 | Advanced Acting (3) |
| THTR | 324 | Workshop in Playwriting (3) |
| THTR | 325 | Style and Content in Production Design (3) |
| THTR | 330 | Theatrical Performance and Production (1, 1, 1) (must be taken three semesters) |
| THTR | 402 | Open Laboratory (3) |
| THTR | 404 | Acting for the Camera II (3) |
| THTR | 410 | The Business of Show Business (3) |

**Degree:** **Bachelor of Arts (B.A.), or Bachelor of Science (B.S.)**
**Major:** **Theatre**

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours.), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Core Requirements (54 hours).**

**4. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

### Minor: Theatre

**Note:** Students who major in theatre may not also minor in theatre.

**Theatre Course Requirements (15 hours).**

| | | |
|---|---|---|
| DFM | 115 | Dramatic Analysis (3) |
| THTR | 101 | Introduction to Performance (3) **OR** |
| THTR | 121 | Beginning Acting (3) |
| THTR | 213 | Theatre History I (3) **OR** |
| THTR | 214 | Theatre History II (3) |

**Choose two of the following for six hours:**

| | | |
|---|---|---|
| THTR | 102 | Voice and Movement (3) |
| THTR | 202 | Acting for the Camera I (3) |
| THTR | 204 | Stagecraft and Graphics (3) |
| THTR | 301 | Intermediate Acting (3) |
| THTR | 303 | Directing Actors (3) |
| THTR | 321 | Advanced Acting (3) |
| THTR | 324 | Workshop in Playwriting (3) |
| THTR | 325 | Style and Content in Production Design (3) |
| THTR | 330 | Theatrical Performance and Production (1, 1, 1) (must be taken three semesters) |
| THTR | 404 | Acting for the Camera II (3) |
| THTR | 402 | Open Laboratory (3) |

# Digital Filmmaking Program

## Mission:

"Digital Filmmaking" means the integration of traditional cinematic techniques with innovative and emerging technologies.

Students will acquire the essential skills of filmmaking: visual and audio design, writing, directing, editing, and the mechanics of picture and sound acquisition along with a solid theoretical basis for formulating informed creative choices. Critique and mentorship from experienced faculty as well as collaboration with peers of varying levels help accelerate the individual's growth as a filmmaker.

The DFM program nurtures and develops individual gifts while assuring that each graduate is prepared for the varied demands of professional life. Students will experience a wide range of roles within all aspects of film production. Required courses include studies within art, music and theatre as well as filmmaking. A substantial number of elective credits allow majors to explore career goals and areas of interest.

Graduates of this Bachelor of Science program should be qualified to pursue careers as independent producers of media or as creative and technical team members in film and television. Going forward, the DFM program will continue to prepare students for success in the technological, economic and demographic realities of our region and the world beyond. Descriptions of DFM courses begin on Page 146.

## Degree: Bachelor of Science (B.S.)
## Major: Digital Filmmaking

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Digital Filmmaking Required Courses (58 hours).**

| | | |
|---|---|---|
| ART | 135 | Art Design I (3) |
| DFM | 109 | Introduction to Film Analysis (3) |
| DFM | 110 | Location Shooting for the Edit (3) |
| DFM | 115 | Dramatic Analysis (3) |
| DFM | 210 | DFM Forum (NC, four semesters) |
| DFM | 312 | Designing the Shot (3) |
| DFM | 313 | Advanced Lighting for Digital Filmmaking (3) |
| DFM | 314 | Production Sound for Digital Filmmaking (3) |
| DFM | 320 | Sound Design (3) |
| DFM | 340 | Writing the Screenplay (3) |
| DFM | 350 | Directing for the Camera (3) |
| DFM | 360 | Postproduction (3) |
| DFM | 375 | Preproduction (3) |
| DFM | 376 | Production (3) |
| DFM | 409 | Film History (3) |
| DFM | 410 | DFM Forum (NC, two semesters) |
| DFM | 450 | Senior Portfolio (1) |
| DFM | 475 | Preproduction (3) |
| DFM | 476 | Production (3) |
| MUS | 211 | Sound and Music Technology (3) |
| THTR | 101 | Introduction to Performance (3) **OR** |
| THTR | 121 | Beginning Acting (3) |
| THTR | 202 | Acting for the Camera I (3) |

**4 Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Digital Filmmaking

**Note:** Students who major in digital filmmaking may not also minor in digital filmmaking.

**DFM Course Requirements (18 hours).**

| | | |
|---|---|---|
| DFM | 109 | Introduction to Film Analysis (3) |
| DFM | 110 | Location Shooting for the Edit (3) |
| DFM | 115 | Dramatic Analysis (3) |
| DFM | 312 | Designing the Shot (3) **OR** |
| DFM | 313 | Advanced Lighting for Digital Filmmaking (3) |
| DFM | 314 | Production Sound for Digital Filmmaking (3) |

**Choose one of the following:**

| | | |
|---|---|---|
| DFM | 320 | Sound Design (3) |
| DFM | 340 | Writing the Screenplay (3) |
| DFM | 360 | Postproduction (3) |
| DFM | 375 | Preproduction (3) |

# 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 Mineral and Roosevelt County Historical Museums; the Speech and Hearing Rehabilitation and Outreach Center; the Language Laboratory; the Writing Center and the Computer Center. Faculty and students within the college engage in research and professional activities, many of these funded with external grants or institutional support.

In addition to the Bachelor of Science (B.S.) and Bachelor of Arts (B.A.) degrees, the College of Liberal Arts and Sciences offers the Bachelor of Science in Nursing (B.S.N.), Bachelor of Social Work (B.S.W.), the Bachelor of Applied Arts and Sciences (B.A.A.S.) and the Associate of Arts (A.A.) in general studies and psychology.

## B.A.A.S. Degree Concentrations

The College of Liberal Arts and Sciences also offer B.A.A.S. degree concentrations in criminal justice/sociology, electronics engineering technology, emergency management, fire and emergency services, human services, information systems and programming design, liberal arts, religion and science. This option is only available to students who are pursuing the B.A.A.S. degree. Additional information and a description of the concentrations can be found on Page 69.

## College of Liberal Arts and Sciences Programs and Degrees Offered

| | Certificate | Minor | Major | Emphasis | Endorsement Area/ Minor for Licensure | Degree |
|---|---|---|---|---|---|---|
| **Department of Anthropology and Applied Archaeology** | | | | | | |
| Anthropology | | * | * | | | B.A., B.S. |
| Archaeology | | | | * | | |
| Cultural Anthropology | | | | * | | |
| **Department of Biology** | | | | | | |
| Biology | | * | * | | | B.A., B.S. |
| Ecology, Evolution, and Organismal Biology | | | | * | | B.A., B.S. |
| Microbiology, Molecular Biology and Biotechnology | | | | * | | B.A., B.S. |
| Pre-Medicine | | | | * | | B.A., B.S. |
| General Science | | | | | * | |
| Wildlife and Fisheries Science | | * | * | | | B.S. |
| **Department of Health and Human Services** | | | | | | |
| Applied Arts and Sciences | | | * | | | B.A.A.S. |
| Emergency Management | * | * | | * | | |
| Fire and Emergency Services Administration | | | | * | | |
| Communicative Disorders | | * | * | | | B.S. |
| Health and Human Services | | * | | | | |
| Nursing | | | * | | | B.S.N. |
| Pre-Nursing | | | * | | | A.A. |
| Social Work | | * | * | | | B.S.W. |
| **Department of History, Social Sciences and Religion** | | | | | | |
| Biblical Languages | | * | | | | |
| Criminal Justice | | * | * | | | B.A., B.S. |
| Greek | | * | | | | |
| Hebrew | | * | | | | |
| History | | * | * | | | B.A., B.S. |
| Religion | | * | * | | | B.A., B.S |
| Social Studies with Emphasis in History | | | * | | | B.A., B.S. |
| Social Studies | | | | | * | |
| Sociology | | * | * | | | B.A., B.S. |
| **Interdisciplinary Programs** | | | | | | |
| Forensic Science | | | * | | | B.S. |
| Forensic Anthropology | | | | * | | |
| Forensic Biology | | | | * | | |
| Forensic Chemistry | | | | * | | |
| General Studies | | | * | | | A.A. |

## College of Liberal Arts and Sciences Degrees Offered (Continued)

| | Certificate | Minor | Major | Emphasis | Endorsement Area/ Minor for Licensure | Degree |
|---|---|---|---|---|---|---|
| Allied Health | | | | | | |
| Pre-Dentistry | | | | | | |
| Pre-Medicine | | | | | | |
| Pre-Pharmacy | | | | | | |
| Pre-Physical Therapy | | | | | | |
| Pre-Physician's Assistant | | | | | | |
| Pre-Veterinary | | | | | | |
| **Department of Languages and Literature** | | | | | | |
| Creative Writing | | * | | | | |
| English | | * | * | | * | B.A., B.S. |
| American Language and Culture | | | | | | |
| Spanish | | * | * | | * | B.A. |
| **Department of Mathematical Sciences** | | | | | | |
| Computer Science | | * | * | | | B.S. |
| Electronics Engineering Technology Composite | | * | * | | | B.S. |
| Industrial Mathematics and Statistics | | | * | | | B.S. |
| Mathematics | | * | * | | * | B.A., B.S. |
| Mathematics for Secondary Education | | | * | | * | B.A., B.S. |
| Statistics | | * | | | | |
| **Department of Physical Sciences** | | | | | | |
| Aviation Science | | | * | | | B.S., B.A.A.S. |
| Biochemistry/Chemistry (ACS Certified) | | | * | | | B.S. |
| Chemistry | | * | | | | |
| Chemistry-Interdisciplinary | | | * | | | B.S. |
| Environmental Science | | | * | | | B.S. |
| General Science | | | | | * | |
| Geology | | * | | | | |
| **Department of Psychology and Political Science** | | | | | | |
| Legal Studies | | * | | | | |
| Political Science | | * | * | | | B.A., B.S. |
| Psychology | | * | * | | | A.A., B.A., B.S. |

# Department of Anthropology and Applied Archaeology

**Professors:** Kathy Durand Gore
John L. Montgomery
**Associate Professor:** J. David Kilby
**Assistant Professors:** Stéphanie Borios
Kerriann Marden
Kathryn Putsavage
**Professors Emeriti:** Everett Frost
Janet Frost
Phillip Shelley
**Associate Professor Emeritus:** David Batten

## Anthropology

Anthropology, the study of humanity, past and present, is divided into four subdivisions: (1) archaeology, the study of past cultures; (2) biological anthropology, the study of human diversity and the evolution of the human family; (3) cultural anthropology, the study of living humans and their culture; and (4) linguistic anthropology, the comparative study of the relationship between language 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 anthropological research and public service opportunities with the Blackwater Draw Museum, the Miles Anthropological Museum and the Blackwater Draw National Historic Landmark archaeological site.

Research plays an important role in the department. Heavy emphasis is placed upon prehispanic Native American archaeological studies and the Southwestern U.S. The University's location provides a unique vantage point to study America's earliest cultures. All faculty members of the department are involved in research on a national and/or international basis.

Faculty members are involved in both qualitative and quantitative research within their disciplines covering many fields; some of those areas of research include archaeology, lithic technology, biological anthropology, ceramic analysis, cultural anthropology, historic preservation and cultural resource management. Descriptions for ANTH courses begin on Page 131.

**Degree:** **Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)**
**Major:** **Anthropology**
**Emphasis:** **Archaeology**

Archaeology is the study of past human cultural behavior through the analysis of material remains. As such, it contributes to the larger anthropological endeavor of understanding culture by providing access to the diverse range of cultures, behaviors and adaptations that have existed in the many thousands of years of the human past. Archaeology relies upon a wide range of techniques to reconstruct and interpret past culture, behaviors and environments.

The archaeology emphasis combines coursework focused upon developing skills to analyze and interpret the record of the past, including concepts from archaeology and geology, with coursework oriented toward effectively interpreting and communicating results. Career opportunities in archaeology include cultural resource management, heritage preservation and museum management, as well as field and academic research. In addition, students will be familiarized with theoretical perspectives to understand their world and the place of humans in it.

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Anthropology Course Requirements (38 hours).**

| | | |
|---|---|---|
| ANTH | 243 | Introduction to Cultural Anthropology (3) |
| ANTH | 245/L | Introduction to Archaeology (4) |
| ANTH | 247/L | Biological Anthropology (4) |
| ANTH | 365 | North American Prehistory (3) |
| ANTH | 494 | Analytic Techniques in Archaeology (3) |
| ANTH | 495 | Fundamentals of Archaeological Theory (3) |

   Students must also complete (18 hours) of ANTH electives, 12 of which must be upper division (300-/400-level).

4. **Required Supporting Classes (19 hours).**

| | | |
|---|---|---|
| GEOL | 151/L | Physical Geology (4) |
| GEOL | 304/L | Geomorphology (4) |
| GEOL | 311/L | Stratigraphy and Sedimentation (4) |
| ENG | 305 | Report Writing (3) |
| STAT | 213 | Statistical Methods I (4) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Anthropology
## Emphasis: Cultural Anthropology

This emphasis contributes to the holistic endeavor of anthropology by offering students a well-rounded liberal arts background with a comprehensive understanding of the world's varied systems of visual representation and communication. This curriculum allows students to apply the approach and perspective of cultural anthropology (and potentially other areas of study) toward the study and practice of visual communication.

The courses in this emphasis draw on social sciences, humanities and media arts. Training in the anthropology of visual communication is applicable to a variety of careers, including jobs in museums and other educational institutions, non-profit organizations, government agencies, the arts, tourism, advertising, journalism and mass media, as well as university-based teaching and research.

Students in this avenue will develop technical skills that will prepare them to communicate effectively and across all audiences (different cultures, classes, jobs, nations, genders, etc.). In addition, students will be exposed to theoretical knowledge that will empower them to critically evaluate the processes and products of visual communication.

**1. Bachelor's Degree Requirements, see Page 38.**

**Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Anthropology Course Requirements (35 hours).**

| | | |
|---|---|---|
| ANTH | 243 | Introduction to Cultural Anthropology (3) |
| ANTH | 245/L | Introduction to Archaeology (4) |
| ANTH | 247/L | Biological Anthropology (4) |
| ANTH | 415 | Ethnographic Methods (3) |
| ANTH | 492 | Anthropological Perspectives (3) |

Students must also complete 18 hours of ANTH electives, 12 of which must be upper division (300-/400-level).

**4. Required courses in other areas (22-24 hours).**

Select two courses from the following writing options (6 hours):

| | | |
|---|---|---|
| COMM | 204 | Foundational Writing for Communication (3) |
| COMM | 205 | Beginning Reporting (3) |
| COMM | 304 | Intermediate Reporting (3) |
| COMM | 410 | Applied Writing for Media (3) |
| ENG | 305 | Report Writing (3) |

Select two courses from the following theory options (6 hours):

| | | |
|---|---|---|
| ENG | 301 | Cinema Studies (3) |
| ENG | 330 | Literary Theory (3) |
| ENG | 379 | Globalization/Diversity and Cultural Studies (3) |
| ENG | 447 | Literary and Cultural Studies (3) |
| COMM | 310 | Popular Culture (3) |
| COMM | 330 | Power Games: Politics and Media (3) |
| COMM | 331 | Intercultural Communication (3) |

Select one of the below three technical areas and complete four courses within it (12 hours), three of which must be upper division (300-/400-level).

**Film**

| | | |
|---|---|---|
| DFM | 110 | Location Shooting for the Edit (3) |
| DFM | 312 | Designing the Shot (3) |
| DFM | 314 | Production Sound for Digital Filmmaking (3) |
| DFM | 360 | Postproduction (3) |

**Photography**

| | | |
|---|---|---|
| ART | 142 | Digital Media I (3) |
| ART | 143 | Digital Media II (3) |
| ART | 210 | Photography (3) |
| ART | 314 | Photography Projects (3) |
| COMM | 212 | Introduction to Digital Photography (3) |
| COMM | 412 | Photojournalism (3) |

**Graphic Design**

| | | |
|---|---|---|
| ART | 142 | Digital Media I (3) |
| ART | 143 | Digital Media II (3) |
| ART | 212 | Graphic Design I (3) |
| ART | 326 | Web Design I (3) |
| ART | 340 | Publication Design (3) |

**5. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Anthropology

**Note:** Students who major in anthropology may not also minor in anthropology.

**Anthropology Course Requirements (20 hours).**

| | | |
|---|---|---|
| ANTH | 243 | Introduction to Cultural Anthropology (3) |
| ANTH | 245/L | Introduction to Archaeology (4) |
| ANTH | 247/L | Biological Anthropology (4) |

Students must also complete 9 hours of ANTH electives, 6 hours of which must be upper division.

# 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 157.

# Department of Biology

**Professors:** Youngkoo Cho
Zhiming Liu
Marvin M. F. Lutnesky
Darren A. Pollock
Manuel F. Varela
**Associate Professor:** Kenwyn R. Cradock
**Assistant Professor:** Matthew A. Barlow

Students may major in biology in a broad sense (selecting course offerings in consultation with their advisor), or they may major in biology with an emphasis in ecology, evolution and organismal biology (EEOB); microbiology, molecular biology and biotechnology (MMBB); or pre-medicine. Students may also follow the specialized curriculum for the wildlife and fisheries sciences (WFS) major. The biology and WFS majors do not require a minor.

The sciences at ENMU also offer an interdisciplinary program in allied health sciences. These studies include several pre-professional and pre-clinical programs. Students are referred to the section on Page 112 for allied health sciences for details. Students who want to teach secondary school science in New Mexico may obtain a Bachelor of Science degree in biology with a secondary science licensure. Students should check Teacher Education Requirements and secondary science licensure requirements on Pages 50-51. Descriptions of BIOL courses begin on Page 135. Students in a major with secondary science licensure will complete the Teaching Degree General Education Requirements as found on Page 53 and the Professional Education Requirements listed on Page 56.

**Biology Core Course Requirements (23 hours)**

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| BIOL | 155/L | General Biology II: Organismic through Supraorganismic Biology (4) |
| BIOL | 222 | Cell Biology (3) |
| BIOL | 303 | General Ecology (3) |
| BIOL | 304/L | Genetics (4) |
| BIOL | 306/L | General Microbiology (4) |
| BIOL | 492 | Undergraduate Seminar and Assessment (1) |

**Required courses in other areas (31-32 hours)**

| | | |
|---|---|---|
| CHEM | 151/L | General Chemistry I (4) |
| CHEM | 152/L | General Chemistry II (4) |
| CHEM | 341/L | Organic Chemistry I (4) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |
| MATH | 119 | College Algebra (4) |
| MATH | 124 | Calculus I (4) **OR** |
| MATH | 215 | A Survey of Calculus (3) |
| STAT | 213 | Statistical Methods I (4) |

**Note:** The biology faculty strongly recommends that pre-medical students also take CHEM 342/L (4), CHEM 401 (1), CHEM 452 (3), PSY 101 (3) and SOC 101 (3).

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Biology

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Biology Core Requirements (23 hours).**
4. **Elective Biology Requirements (24 hours minimum).**
5. **Required courses in other areas (31-32 hours).**
6. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Biology
## Emphasis Ecology, Evolution and Organismal Biology (EEOB)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Biology Core Requirements (23 hours).**
4. **EEOB Emphasis Requirements (22-23 hours).**

| | | |
|---|---|---|
| BIOL | 216/L | General Botany (4) |
| BIOL | 300/L | Invertebrate Zoology (4) |
| BIOL | 303L | General Ecology Laboratory (1) |
| BIOL | 305 | Evolution and Systematics (3) |
| BIOL | 460 | Landscape Ecology and GIS (3) |

**Select one of the following vertebrate biology courses:**

| | | |
|---|---|---|
| BIOL | 307/L | Vertebrate Zoology (4) |
| BIOL | 411/L | Herpetology (4) |
| BIOL | 431/L | Mammalogy (4) |
| BIOL | 436/L | Ichthyology (4) |
| BIOL | 442/L | Ornithology (4) |

**Select one specialty course:**

| | | |
|---|---|---|
| BIOL | 301/L | General Entomology (4) |
| BIOL | 410/L | Plant Systematics (4) |
| BIOL | 420/L | Plant Structure and Function (4) |
| BIOL | 430 | Limnology (3) |

5. **Required courses in other areas (31-32 hours).**
6. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Biology
## Emphasis Microbiology, Molecular Biology and Biotechnology (MMBB)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Biology Core Requirements (23 hours), see Page 92.**
4. **MMBB Emphasis Requirements (21-22 hours).**
   BIOL 375 General Biotechnology (3)
   BIOL 409/L Microbial Physiology (4)
   BIOL 421 Immunology (3)
   BIOL 422/L Medical Microbiology (4)
   BIOL 425/L Molecular Biology (4) **OR**
   BIOL 450 Virology (3)
   Select a specialty course in biology from the following list: BIOL 300/L, 301/L, 307/L, 341/L, 410/L, 411/L, 420/L, 431/L, 436/L, 442/L.
5. **Required courses in other areas (31-32 hours), see Page 92.**
6. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Biology
## Emphasis Pre-Medicine

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Biology Core Requirements (23 hours), see Page 92.**
4. **Pre-Medicine Emphasis Requirements (21-23 hours).**
   BIOL 209/L Anatomy and Physiology I (4)
   BIOL 210/L Anatomy and Physiology II (4)
   BIOL 380 Endocrinology (3) **OR**
   BIOL 427 Developmental Biology (3)
   BIOL 421 Immunology (3) **OR**
   BIOL 422/L Medical Microbiology (4)
   BIOL 424/L Advanced Human Physiology (4) **OR**
   BIOL 433/L Neurobiology (4)
   Students must also complete three to four upper-division (300-/400-level) credit hours in a specialty course from the following list: BIOL 307/L, 341/L, 380, 409/L, 421, 422/L, 424/L, 425/L, 427, 433/L.
   Courses already completed from the list above may not be counted twice to also fulfill the specialty course requirement.
5. **Required courses in other areas (31-32 hours), see Page 92.**
6. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Biology

**Note:** Students who earn a B.A. or B.S. with a major in biology may not also minor in biology or in wildlife and fisheries sciences.

**Biology Requirements (19-20 hours)**
BIOL 154/L General Biology I: Subcellular through Organismic Biology (4)
BIOL 155/L General Biology II: Organismic through Supraorganismic Biology (4)
BIOL 222 Cell Biology (3) **OR**
BIOL 306/L General Microbiology (4)
BIOL 303/L General Ecology (4)
BIOL 304/L Genetics (4)

## Degree: Bachelor of Science (B.S.)
## Major: Wildlife and Fisheries Sciences

1. **Bachelor's Degree Requirements, see Page 38.**
   Note: Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements. Furthermore, any courses used for both WFS major requirements and General Education Requirements must be passed with a grade of "C" or higher.
2. **General Education Requirements (38 hours), see Page 42.**
   **Important:** Students that desire certification with professional organizations such as The American Fisheries Society and The Wildlife Society should select their general education requirements, when possible, to count toward certification. Please see your advisor for a full list of general education courses that will count toward certification.
3. **Biology Course Requirements (52 hours).**
   Any one course counts toward 3 hours of General Education Requirements in science category III.
   BIOL 110/L Introduction to Wildlife and Fisheries Sciences (4)
   BIOL 154/L General Biology I: Subcellular through Organismic Biology (4)
   BIOL 216/L General Botany (4)
   BIOL 303/L General Ecology (4)
   BIOL 304/L Genetics (4)
   BIOL 404 Fisheries Management and Conservation (3)
   BIOL 405 Wildlife Management and Conservation (3)
   BIOL 410/L Plant Systematics (4)
   BIOL 417 Environment, Resources and Policy (3)
   BIOL 430 Limnology (3)
   BIOL 431/L Mammalogy (4)
   BIOL 436/L Ichthyology (4)
   BIOL 460 Landscape Ecology and GIS (3)
   BIOL 492 Undergraduate Seminar and Assessment (1)
   **Select one of the following specialty courses:**
   BIOL 300/L Invertebrate Zoology (4)
   BIOL 301/L General Entomology (4)
   BIOL 307/L Vertebrate Zoology (4)
   BIOL 411/L Herpetology (4)
   BIOL 420/L Plant Structure and Function (4)
   BIOL 442/L Ornithology (4)
4. **Required courses in other areas (26 hours).**
   **Note:** Students wishing to pursue a graduate degree should take at least one general chemistry and one general physics course. Courses must be selected from at least two areas.

**a. Physical Sciences (15 hours).**

**Agriculture**

| | | |
|---|---|---|
| AG | 204 | Soil Science (3) |

**Geology**

| | | |
|---|---|---|
| GEOL | 123/L | Earth Resources (4) |
| GEOL | 151/L | Physical Geology (4) |

**Chemistry**

| | | |
|---|---|---|
| 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) |

**Physics**

| | | |
|---|---|---|
| PHYS | 141/L | Astronomy (4) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |

**b. Quantitative Sciences (11 hours).**

*Any asterisked courses count toward 3 hours of General Education Requirements in understanding and applying mathematical principles category II.

| | | |
|---|---|---|
| *MATH | 119 | College Algebra (4) |
| *STAT | 213 | Statistical Methods I (4) |

Select one of the following:

| | | |
|---|---|---|
| *MATH | 215 | A Survey of Calculus (3) |
| STAT | 313 | Statistical Methods II (3) |

**5. Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Wildlife and Fisheries Sciences

**Note:** Students who major in wildlife and fisheries sciences or biology may not also minor in wildlife and fisheries sciences.

**Wildlife and Fisheries Sciences Requirements (19 hours).**

| | | |
|---|---|---|
| BIOL | 110/L | Introduction to Wildlife and Fisheries Sciences (4) |
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| BIOL | 303/L | General Ecology (4) |
| BIOL | 304/L | Genetics (4) |

**Select one of the following:**

| | | |
|---|---|---|
| BIOL | 404 | Fisheries Management and Conservation (3) |
| BIOL | 405 | Wildlife Management and Conservation (3) |
| BIOL | 417 | Environment, Resources and Policy (3) |

## Degree: Bachelor of Science (B.S.)
## Major: Biology
## Licensure: Secondary Science

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Teacher General Education Requirements (55-58 hours), see Page 53.**

**3. Biology Core Requirements (23 hours), see Page 92.**

**4. Teaching Field Block (11 hours).**

| | | |
|---|---|---|
| BIOL | 209/L | Anatomy and Physiology I (4) |
| BIOL | 303L | General Ecology Laboratory (1) |
| BIOL | 305 | Evolution and Systematics (3) |
| BIOL | 407 | Teaching Methods in Science (3) |

**5. Select one course from each of the two areas (7-8 hours):**

**a. Molecular**

| | | |
|---|---|---|
| BIOL | 375 | General Biotechnology (3) |
| BIOL | 409/L | Microbial Physiology (4) |
| BIOL | 425/L | Molecular Biology (4) |

**b. Organismal**

| | | |
|---|---|---|
| BIOL | 216/L | General Botany (4) |
| BIOL | 300/L | Invertebrate Zoology (4) |
| BIOL | 301/L | General Entomology (4) |
| BIOL | 307/L | Vertebrate Zoology (4) |
| BIOL | 341/L | Parasitology (4) |
| BIOL | 411/L | Herpetology (4) |
| BIOL | 431/L | Mammalogy (4) |
| BIOL | 436/L | Ichthyology (4) |
| BIOL | 442/L | Ornithology (4) |

**6. Required courses in other areas (27 hours).**

| | | |
|---|---|---|
| CHEM | 151/L | General Chemistry I (4) |
| CHEM | 152/L | General Chemistry II (4) |
| CHEM | 341/L | Organic Chemistry I (4) |
| GEOL | 151/L | Physical Geology (4) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |
| MATH | 215 | Survey of Calculus (3) |

**Note:** These courses may be used to satisfy the Teacher Education General Education categories of science and mathematics.

**7. Professional Education Requirements (39 hours), see Page 56.**

**8. This program requires about 150 hours.**

**Note:** This major does not require a minor.

# Department of Health and Human Services

## Communicative Disorders


**Professors:** Phillip Million
Linda Weems
Suzanne Swift
**Assistant Professors:** Adrienne Bratcher
Karen Copple
Theresa Worthington
**Instructors:** Nicole Bougie
Dwayne Wilkerson
**Clinical Supervisor:** Laura Bucknell


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. This degree is designed to lead to careers in speech-language pathology, speech science, audiology, deaf education or other related areas by preparing students for entrance into a professional graduate degree program (the master's degree) and for eventual certification and licensure in speech-language pathology or audiology.

Speech-Language Pathologists (CCC-SLP) and Audiologists (CCC-A) work with a variety of clients toward maximizing their ability to use speech, language and/or hearing. Services in both speech-language pathology and audiology encompass a broad spectrum of disorders (i.e., language, articulation, fluency, voice, swallowing, hearing) in a diverse population of clients (e.g., birth through the elderly) and are provided in a wide range of settings (schools, clinics, hospitals, rehabilitation centers, private practice, state agencies, etc.).

The Bachelor of Science with a major in CDIS does not assure entrance into a graduate program 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. All CDIS major and minor coursework on the degree plan must be completed with a grade of "C" or higher.

The CDIS major requires a minor. Students who major in CDIS may not minor in CDIS. Descriptions of CDIS courses begin on Page 143.

### Program Outcomes/Competencies

ENMU CDIS graduates will:

- Accept personal accountability for ethical and competent speech-language pathology practice, as well as for continuing professional and personal development.
- Base clinical practice on methods of scientific inquiry and evidence-based practice to meet clients' needs for increasingly complex clinical care in various settings.
- Apply concepts from speech-language pathology theories and research, cultural competencies, and the sciences and humanities to assess individual clients', families' and communities' needs for therapeutic intervention.
- Collaborate with clients and other professionals to plan and deliver therapeutic intervention.
- Communicate effectively using 21st century technology, including the oral and written word, to think critically about major concepts and processes central to speech-language pathology (e.g., ethical and effective leadership and clinical excellence).

### Degree: Bachelor of Science (B.S.)
### Major: Communicative Disorders

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements. Second baccalaureate degree seeking students are not required to complete a minor.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Communicative Disorders Course Requirements (38-40 hours).**

| | | |
|---|---|---|
| CDIS | 243 | Survey of Communicative Disorders (3) |
| CDIS | 300 | Speech-Language-Hearing Anatomy and Physiology (3) |
| CDIS | 303 | Language Science (3) |
| CDIS | 310 | Phonetics/Phonology (3) |
| CDIS | 311 | Articulation/Phonological Disorders (3) |
| CDIS | 330 | Speech and Language Development (3) |
| CDIS | 332 | Language Disorders (3) |
| CDIS | 342 | Basic Audiology (3) |
| CDIS | 400 | Speech and Hearing Science (3) |
| CDIS | 421 | Neuroscience of Communication (3) |
| CDIS | 434 | Aural Rehabilitation (3) |
| CDIS | 441 | Speech-Language Preclinical (1) |
| CDIS | 441L | Preclinical Observation Laboratory (1-3) |
| CDIS | 454 | Speech and Language Assessment (3) |

4. **Minor in a different field or a second major.**
   **Note:** This major requires a minor or a second major. Students seeking a first baccalaureate degree must complete a minor. It is strongly recommended that CDIS majors select the health and human services (HHS) minor. The HHS minor is designed to prepare students for graduate school, specifically in the areas of research and clinical practice.
5. **Electives to complete a minimum of 120 hours.**
   **Note:** Student should meet with their advisor each semester to choose these electives carefully. Recommended electives include:

| | | |
|---|---|---|
| CDIS | 144 | Introduction to American Sign Language (3) |
| CDIS | 244 | American Sign Language I (3) |
| CDIS | 433 | Medical Concepts for Communicative Disorders (3) |
| CDIS | 445 | Speech-Language Practicum (1) |
| CDIS | 446 | Audiology Practicum (1) |
| CDIS | 456 | Research Applications (3) |
| PSY | 101 | Introductory Psychology (3) |
| PSY | 200 | Developmental Psychology (3) |
| STAT | 213 | Statistical Methods I (4) |

Due to national certification requirements for the credentialing of speech-language pathologists, it is strongly recommended that CDIS students should complete both a life science and a physical science during their undergraduate matriculation. Students are strongly advised to choose from the following:

Life Science Component: Biology **OR** Anatomy/Physiology

| | | |
|---|---|---|
| BIOL | 113/L | Biology for General Education (4) |

Physical Science Component: Physics **OR** Chemistry

| | | |
|---|---|---|
| PHYS | 113/L | Survey of Physics (4) |
| CHEM | 113/L | Chemistry for Today (4) |

## Minor: Health and Human Services

**Health and Human Services Requirements (19 hours).**

| | | |
|---|---|---|
| STAT | 213 | Statistical Methods I (4) |
| PSY | 337 | Experimental Psychology I (3) |
| SWK | 345 | Working with Aging Populations (3) |
| SWK | 447 | Impact of Child Abuse and Neglect (3) |
| CDIS | 320 | Issues in Disability (3) |
| CDIS | 455 | Introduction to Undergraduate Research (3) |

## Minor: Communicative Disorders

**Note:** Students who major in CDIS may not minor in CDIS.

**Communicative Disorders Requirements (15 hours).**

| | | |
|---|---|---|
| CDIS | 144 | Introduction to American Sign Language (3) |
| CDIS | 243 | Survey of Communicative Disorders (3) |
| CDIS | 320 | Issues in Disability (3) |
| CDIS | 330 | Speech/Language Development (3) |
| CDIS | 332 | Language Disorders (3) |

# Emergency Management

**Instructor:** Lawrence Nelson

## "Leading the Lifesavers"

ENMU offers two areas of study for emergency services personnel seeking to advance their knowledge and careers:

- Fire and Emergency Services Administration (FESA)
- Emergency Management (EMGT)

Courses in either area of study may be used to satisfy secondary concentration requirements for the bachelor's degree in applied arts and sciences (B.A.A.S.). The program's flexibility, combining the best elements of online instruction, is designed for practicing professionals and aspiring leaders.

Students seeking a B.A.A.S. must provide a transcript from an accredited university showing completion of 30-58 credit hours of technical/vocational specialty training in EMS, fire science/technology or emergency management to meet primary concentration requirements. Students wishing to declare FESA or EMGT as a secondary concentration must additionally complete 30 hours of prescribed coursework as indicated by FESA or EMGT defined degree plans.

Students who do not have transcripted coursework hours should contact the EMGT program advisor for additional instructions. As students who seek the B.A.A.S. must also complete University General Education Requirements, it is strongly advised that students complete the majority of these credits prior to beginning secondary concentration coursework. Students who have not completed their general education credits prior to taking EMGT courses should be advised that they will be required to complete the two concurrently, enrolling in at least one general education course each semester. Students should **not** complete all EMGT courses and then complete the remainder of their general education credits as this may present problems with graduation.

Students may begin the program any semester. Descriptions of EMGT courses begin on Page 152. All grades earned in the primary and EMGT concentration areas must be a grade of "C" or higher. All required courses must be completed prior to enrollment in EMGT 475 Capstone in Emergency Management. May be taken concurrently with other courses in the final semester of study with the permission of the program director. Students should be advised that each EMGT course is generally offered only once in two years. Students must plan their matriculation carefully with the assistance of an advisor to avoid graduation delays.

## Fire and Emergency Services Administration

The Fire and Emergency Services Administration (FESA) concentration is a 10-course curriculum (30 credit hours) designed to provide the fundamental leadership skills for fire and emergency services supervisory and management personnel to advance their careers. This program is geared for fire and EMS supervisors, managers, chief officers, administrators, state directors, training officers and instructors.

**Degree:** Bachelor of Applied Arts and Sciences (B.A.A.S.)
**Major:** Applied Arts and Sciences
**Concentration:** Fire and Emergency Services Administration (FESA)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.A.A.S. degree requires a minimum of 18 hours of upper-division courses. Developmental courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Primary Concentration Area (30-58 hours).**
   Vocational or technical coursework transferred from accredited university or ACE accredited. The acceptance and transfer of coursework will be based on an analysis of each student's transcript. ENMU cannot guarantee award of credit based on certification or licensure alone.
4. **Secondary Concentration Area in FESA.**
   Course Requirements (30 hours).

| | | |
|---|---|---|
| EMGT | 302 | Introduction to Emergency Management (3) |
| EMGT | 303 | Emergency Services Administration and Management (3) |
| EMGT | 304 | Personnel Management (3) |
| EMGT | 305 | Applications of Fire Research (3) |
| EMGT | 306 | Fire Prevention Organization and Management (3) |
| EMGT | 330 | Systems Management (3) |
| EMGT | 402 | Legal, Political and Regulatory Issues (3) |
| EMGT | 403 | Community Risk Reduction for Fire and Emergency Services (3) |
| EMGT | 475 | Capstone in Emergency Management (3) |

   **And one of the following:**

| | | |
|---|---|---|
| EMGT | 401 | Homeland Security (3) |
| EMGT | 405 | Public Health Emergencies (3) |
| EMGT | | Topics in Emergency Management (3) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Emergency Management

Emergency management is the discipline of dealing with and avoiding risk through emergency preparedness, response, recovery and mitigation. Successful emergency management involves individuals, groups and communities working together to manage hazards. As such, effective emergency management relies on thorough integration of emergency plans at all levels of government and non-government involvement. In order to build disaster resistant and resilient communities, a broad range of college students and professionals need courses that introduce them to hazards, risk, vulnerability, disasters and what to do about them.

To meet this need, ENMU offers specific courses in emergency management designed for criminal justice, law enforcement/police science, fire science, EMS, forest service/BLM and military science leaders working in base operability, and other similar employment situations. Individuals working in government and business/industry as well as students taking forensics courses and those studying psychology may find emergency management training useful.

EMGT courses at ENMU can be used for three purposes:

- Students taking 21 credits as specified below may use their EMGT courses as a minor.
- Students taking 21 credits as specified below may earn a certificate in emergency management.
- Students taking 30 credits in EMGT may use these hours as their secondary concentration for the B.A.A.S.

### Degree: Bachelor of Applied Arts and Sciences (B.A.A.S.)
### Major: Applied Arts and Sciences
### Concentration: Emergency Management (EMGT)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.A.A.S. degree requires a minimum of 18 hours of upper-division courses. Developmental courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Primary Concentration Area (30-58 hours).**
   Vocational or technical major work transferred from approved and/or certified program. The acceptance and transfer of coursework will be based on an analysis of each student's transcript. ENMU cannot guarantee award of credit based on paramedic certification or licensure alone.
4. **Secondary Concentration (30 hours from the following):**

| | | |
|---|---|---|
| EMGT | 302 | Introduction to Emergency Management (3) |
| EMGT | 303 | Emergency Services Administration and Management (3) |
| EMGT | 310 | Disaster Response (3) |
| EMGT | 312 | Disaster Recovery (3) |
| EMGT | 400 | Emergency Preparedness (3) |
| EMGT | 402 | Legal, Political and Regulatory Issues (3) |
| EMGT | 403 | Community Risk Reduction for Fire and Emergency Services (3) |
| EMGT | 410 | Hazard Mitigation (3) |
| EMGT | 475 | Capstone in Emergency Management (3) |

**And one of the following:**

| | | |
|---|---|---|
| EMGT | 401 | Homeland Security (3) |
| EMGT | 405 | Public Health Emergencies (3) |
| EMGT | 493 | Topics in Emergency Management (3) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor and/or Certificate in Emergency Management

Students who are majoring in another area of study (e.g., psychology, criminal justice) may declare emergency management as a minor course of study or pursue a certificate in emergency management. Students who are non-degree seeking may also enroll in the emergency management program and obtain a certificate in emergency management. All credits must be completed with a grade of "C" or higher. Non-degree seeking students enrolled in the emergency management certificate program may not be eligible for financial aid.

**The minor and/or certificate in emergency management requires completion of the following courses (18 core, plus 3 elective credit hours):**

| | | |
|---|---|---|
| EMGT | 302 | Introduction to Emergency Management (3) |
| EMGT | 310 | Disaster Response (3) |
| EMGT | 312 | Disaster Recovery (3) |
| EMGT | 400 | Emergency Preparedness (3) |
| EMGT | 410 | Hazard Mitigation (3) |
| EMGT | 475 | Capstone in Emergency Management (3) |

**And one of the following:**

| | | |
|---|---|---|
| EMGT | 401 | Homeland Security (3) |
| EMGT | 405 | Public Health Emergencies (3) |

# Nursing

**Instructors:** Susan Bassett
Vivian Coates
Kathleen Cooper
Valerie Kyle
Judith Piepkorn

## Mission Statement

The mission of the B.S.N. Completion Program is to provide with 21st century technology, a well-balanced liberal arts education, which includes liberal learning, freedom of inquiry and cultural diversity to nurses pursuing their professional degree. Our mission includes helping our students to build a strong foundation for lifelong personal and professional learning.

## Philosophy

The nursing faculty of Eastern New Mexico University believes nursing is an art and a human science profession that is a lifelong process, and which promotes the development of knowledge, skills and personal values. The faculty is dedicated to cultivating a sense of professional empowerment, a desire for lifelong learning and a passion for social justice in our students. An innovative curriculum based on the changing healthcare needs of society and the health care delivery system is integral to the commitment of the faculty to learning and development. Our philosophy also expresses our commitment to the values inherent in the mission and philosophy of Eastern New Mexico University, of which nursing is an integral part.

Central to the nursing program's philosophy are the professional concepts which form the core of the humanistic, intellectual and ethical values associated with a baccalaureate education. Values are beliefs or ideals to which an individual is committed and which are reflected in patterns of behavior. Caring is the central concept of the practice of professional nursing. The faculty defines caring as encompassing empathy, connection and the ability to translate these characteristics into compassionate, sensitive and appropriate care. The nursing faculty also values the domains of nursing that are the theoretical concepts, which identify the parameters of our professional practice: person, health, environment and nursing. As nursing program faculty, we define the four domains of nursing as:

Person–An individual human being of intrinsic worth, who is part of a family, a community and the world who becomes the focus of nursing whenever a potential or actual health care need exists.

Health–Unity of the whole person-body, mind and spirit; a harmony that includes physical, psychological, social, spiritual and moral realms.

Environment–The totality of an environment (physical, geographical and socio-cultural), situation, or event with related experiences that give interpretive meanings to guide human expressions and decisions.

Nursing–As an art and a science, nursing molds the attitude, intellectual competencies and technical skills of the nurse into the desire and ability to help people cope with their health care needs, whether they are ill or well. We consider the unique function of the nurse to be knowledgeable: using the scientific approach to improve nursing practice, thereby contributing to the health and independence of people through their lifespan.

As nursing program faculty, we hold ourselves accountable for the quality of our educational program and for promoting safe, effective, holistic, culturally sensitive 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 of Eastern New Mexico University, the nursing program shares the University's emphasis of liberal learning, freedom of inquiry and cultural diversity for (or in) the nursing program.

## Program Student Learning Outcomes

ENMU B.S.N. graduates will:

- Accept personal accountability for ethical and competent nursing practice, as well as for continuing professional and personal development.
- Base clinical practice on methods of scientific inquiry and evidence based practice–including the nursing process–to meet clients' needs for increasingly complex health care in various settings.
- Apply concepts from nursing theories and research, cultural competencies, the sciences and humanities, to assess individual clients', families' and communities' needs for nursing intervention.
- Collaborate with clients and other health care professionals to plan and deliver care.
- Communicate effectively using 21st century technology, including the oral and written word to critically think about major concepts and processes central to nursing: i.e., ethical and effective leadership, and clinical excellence.

## Program Accreditation

The B.S.N. Completion Program at ENMU is accredited by the National League for Nursing Accrediting Commission, Inc. (NLNAC) now the Accreditation Commission for Education in Nursing (ACEN). ACEN may be reached via post at 3343 Peachtree Road NE, Suite 850, Atlanta, GA, 30326, phone, 404.975.5020.

## 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 with the exception of NURS 312 Global Health Care and NURS 320 Pathophysiology in Nursing:

- Active RN licensure;
- Grades of "C" or higher in all nursing courses;
- Grades of "C" or higher in all prerequisite science courses;
- Admission Application submitted to the University;
- Admission Application to B.S.N. Completion Program submitted.

### Associate and Diploma Nursing Program Courses (30 hours)

Students must transfer, from their associate or diploma nursing program, 30 credit hours in the core areas of medical-surgical, pediatric, obstetric and psychiatric nursing. The director of the nursing program is responsible for reviewing each student's transcript from their previous nursing program to ensure that submitted coursework meets clinical requirements for licensure as determined by state boards of nursing.

Recognizing students have verified knowledge of core content as evidenced by a passing score on the national nursing licensure examination and through continuing work experience as a registered nurse in New Mexico or other states, the ENMU nursing program may agree to accept previously earned credits toward the B.S.N. degree. Once a student is admitted to the B.S.N. Completion Program and successfully completes Foundations of Professional Nursing (NURS 315), ENMU may accept the student's technical nursing courses as if they had been earned at the senior college level and count these courses toward the B.S.N. degree.

## Additional Provisions

The ENMU B.S.N. program is designed to be a two-year course of professional study and practicum (including summer sessions). Students wishing to enter the program should be advised that the general degree requirements as established by the ENMU catalog must be met prior to graduation. Students who have not met General Education Requirements prior to enrolling in the nursing program or who elect to attend on a part-time basis (less than 12 hours per semester) may extend their matriculation beyond two years. As the B.S.N. at ENMU does not require a minor, students who have not completed required coursework in other areas or who have not completed necessary elective credit hours may also be required to spend more than two years in the nursing program at ENMU prior to achieving the B.S.N. degree. Students should also be advised that B.S.N. classes are online only and delivered using Internet technologies (e.g., Web-based lecture capture, presentations and assessments). Though technological assistance is typically available, this model will require a certain degree of technological proficiency with computers and the Internet. Students should finally take note that, although B.S.N. courses are offered via a distance education format, some activities may require infrequent travel to the ENMU campus on rare occasions.

Though not commonly the case, additional degree requirements such as general education and recommended electives may be periodically unavailable using a distance education model and some travel to the ENMU campus may be required for faster degree completion. Practicum coursework may additionally require a small degree of travel and/or completion of course requirements during RN working/shift hours.

Students considering a nursing major should consult with a nursing faculty advisor as early as possible in their academic career. Those students wishing to declare B.S.N. major/degree plan must submit an application to the B.S.N. program and meet with their B.S.N. advisor prior to enrolling in B.S.N. classes.

Students admitted into the ENMU B.S.N. program may initiate their course of study in either semester. The ENMU B.S.N. program is a year-round program.

Students in the B.S.N. program must follow all policies and procedures as outlined in the B.S.N. Student Handbook. This document is available from the office of the nursing program.

Students must select sufficient hours from required and elective course offerings to equal 120 hours minimum for graduation, including 40 hours of upper-division coursework and 30 hours from ENMU-Portales. Thirty (30) of the final 60 hours must be taken at ENMU. The B.S.N. Completion Program requires a minimum of two-thirds of the upper-division hours (24 credit hours) for the B.S.N. to be earned at ENMU. Students who do not follow their degree plan as outlined or who do not complete required courses as scheduled (including their general education courses) will extend their matriculation beyond two years. Students seeking part-time enrollment must see their advisor for an individual suggested program of study.

Students must earn a grade of "C" or higher in all nursing courses to matriculate in the program. Students are allowed to repeat required nursing courses with the approval of the program director in order to successfully achieve the grade of "C" or higher in an individual course.

**Prior to enrolling in clinical or laboratory courses (NURS 360, 415L, 425L), students must refer to the B.S.N. Completion Program student handbook for additional nursing specific requirements.** The Bachelor of Science in Nursing does not require a minor. Descriptions of NURS courses begin on Page 170.

## Degree: Bachelor of Science in Nursing (B.S.N.)

## Major: Nursing

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S.N. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Nursing Course Requirements (42 hours).**
   All NURS courses are delivered via distance education and/or using Internet/Web-based technologies.

| | | |
|---|---|---|
| NURS | 315 | Foundations of Professional Nursing (3) |
| NURS | 316 | Nursing Ethics (3) |
| NURS | 317 | Economics and Nursing (3) |
| NURS | 318 | Women's Health Care (3) |
| NURS | 319 | Nursing Management of Pain (3) |
| NURS | 320 | Pathophysiology in Nursing (3) |
| NURS | 360 | Health Assessment (3) |
| NURS | 413 | Nursing Theory (3) |
| NURS | 415 | Community Health Nursing (3) |
| NURS | 415L | Community Health Nursing Practicum (3) |
| NURS | 416 | Nursing Research and Evidence Based Practice (3) |
| NURS | 417 | Cultural Competencies for Nurses (3) |
| NURS | 425 | Nursing Leadership (3) |
| NURS | 425L | Nursing Leadership Practicum (3) |

4. **Required courses in other areas (4 hours).**
   STAT 213 Statistical Methods I (4)
   (may require prerequisite courses in MATH according to placement)
5. **Electives to complete a minimum of 120 hours.**
   Elective requirements for the nursing program should be relevant to the nursing curriculum. Due to the diverse nature of nursing services and clients, the following disciplines and specific course offerings are highly recommended as electives for nursing majors. Specific course suggestions are listed below. Electives should be considered carefully with special attention paid to prerequisite requirements for each course. Students are strongly advised to select electives in consultation with a nursing faculty advisor.

   SPAN 101, 102, 105, 201, 202, 205
   COMM 202, 331, 334, 380
   ANTH/GEOG 233, ANTH 310, 340
   ECON 221, 222
   PSY 402, 421

## Suggested Program of Study for the Bachelor of Science in Nursing

Below is a suggested sequence for full-time enrollment in the B.S.N. program. **This is not an official degree plan**. For specific information, students should see their advisor. Students should have completed a good number of general education and elective requirements before pursuing the following sequence of courses. Students who seek a part-time course of study should see their advisor for an individual matriculation plan.

| **Junior Year** | | | **Fall** | **Spr.** |
|---|---|---|---|---|
| NURS | 315 | Foundations of Professional Nursing | 3 | |
| NURS | 316 | Nursing Ethics | | 3 |
| NURS | 317 | Economics in Nursing | | 3 |
| NURS | 320 | Pathophysiology in Nursing | 3 | |
| NURS | 360 | Health Assessment | | 3 |
| | | General Education electives | 6-9 | 3-6 |
| | | **Total credit hours** | **12-15** | **12-15** |
| | | | | **Summer** |
| NURS | 318 | Women's Health Care | | 3 |
| NURS | 319 | Nursing Management of Pain | | 3 |
| | | **Total credit hours** | | **6** |
| **Senior Year** | | | **Fall** | **Spr.** |
| NURS | 413 | Nursing Theory | 3 | |
| NURS | 417 | Cultural Competencies for Nurses | 3 | |
| NURS | 415 | Community Health Nursing | 3 | |
| NURS | 415L | Community Health Nursing Practicum | 3 | |
| NURS | 416 | Nursing Research and Evidence Based Practice | | 3 |
| NURS | 425 | Nursing Leadership | | 3 |
| NURS | 425L | Nursing Leadership Practicum | | 3 |
| | | Electives | 3-6 | 3-6 |
| | | **Total credit hours** | **15-18** | **12-15** |

## Pre-Nursing

Although Eastern New Mexico University does not offer a four-year degree in nursing, students wishing to take their prerequisite coursework for an associate degree in nursing may do so on campus. This course of study is designed to assist students interested in nursing in obtaining the required courses they will need to gain entrance into an accredited nursing school; however, this information listed below is designed for advising purposes only. Each individual nursing school could have different prerequisites. Completion of coursework does not guarantee admission into an associate degree in nursing program.

Admission requirements for nursing schools vary across community colleges and will be determined by the particular program that a student attends. Interested students should make early contact with the school of their choice for specific admission requirements. Students enrolled in pre-nursing courses are strongly advised to maintain a GPA of 2.5 or higher to gain admittance into an associate degree program in nursing.

In most cases, two years of general education and pre-nursing requirements must be completed prior to admission to any associate degree program in nursing. Prerequisite courses can be counted toward General Education Requirements for both the associate degree in nursing at a community college and the Bachelor of Science in Nursing degree at ENMU.

In addition, most associate degree programs will require that a student be a Certified Nursing Aide (CNA) prior to admission to any associate degree program in nursing.

Lottery scholarship students should be advised that transitioning from a four-year institution to a two-year institution may affect future eligibility for continued funding. Academic admission scholarships may additionally be affected. Changes to institutional, state or federal eligibility rules may apply to students enrolled in ENMU pre-nursing courses. Students wishing to enroll concurrently at ENMU and a community college must have a consortium agreement on file with the Office of Financial Aid each semester. Students are strongly encouraged to consult with the Office of Financial Aid before and during enrollment in any pre-nursing courses.

## Degree: Associate of Arts (A.A.)
## Major: Pre-Nursing

1. **Associate Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. Developmental courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41. Please note, in order to apply to an associate degree program, some specific general education courses are required. Please see official pre-nursing degree plan.**
3. **Pre-Nursing Course Requirements–Students must take all of the below courses to be eligible for a nursing program at a community college and to complete the B.S.N. once finished with an associate degree in nursing:**

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| BIOL | 155/L | General Biology II: Organismic through Supraorganismic Biology (4) |
| BIOL | 209/L | Anatomy and Physiology I (4) |
| BIOL | 210/L | Anatomy and Physiology II (4) |
| BIOL | 214/L | Microbiology (4) |
| COMM | 101 | Interpersonal Communication (3) |
| ENG | 102 | English Composition (3) |
| ENG | 104 | English Composition and Research (3) |
| HPE | 142 | Fundamentals of Physical Well-Being (1) |
| IS | 151 | Basic Computer Skills (3) |
| PSY | 101 | Introductory Psychology (3) |
| PSY | 200 | Human Growth and Development (3) |
| SOC | 101 | Introduction to Sociology (3) |
| STAT | 213 | Statistical Methods I (4) |

   **Note:** Students are strongly advised to take a nutrition course as part of the elective hours. Students should check with an academic advisor to select a course that is appropriate for nursing programs.
4. **Electives to complete a minimum of 64 hours.**

# Social Work

**Program Director:** Patricia Saylor
**Assistant Professor:** Barbara Palantone

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 (B.S.W.) program is accredited by and 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. B.S.W. graduates from ENMU may be eligible to sit for the New Mexico B.S.W. social work licensure examination and may also be eligible for advanced standing admission to an M.S.W. program.

The B.S.W. 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 licensed professionals in New Mexico and are found in a wide variety of practice settings including health and mental health, child welfare, community-based organizations, medical facilities, schools, youth services, law enforcement, courts, corrections, military, services to elders, and other social service providers.

**Program Model**

The ENMU B.S.W. program is designed to be a two-year course of professional study and fieldwork for students who want to become social workers. Students wishing to enter the program should be advised that the General Degree Requirements as established in the ENMU catalog must be met prior to graduation. Students who have not met General Education Requirements, who have not completed required upper-division coursework, or who have not completed necessary elective credit hours may be required to spend more than two years in the social work program at ENMU prior to achieving the B.S.W. degree. Students should additionally take note that, although B.S.W. courses are offered via a distance education format, some courses will require travel to the ENMU campus two to three times per semester. Additional degree requirements, such as general education and recommended electives, may be unavailable via distance education and require travel to the ENMU campus. Field placement coursework may additionally require travel and/or completion of course requirements during regular working (daytime) hours.

Students considering a social work major should consult with a social work faculty advisor as early as possible in their academic career. Those students wishing to declare the social work major/degree plan must declare their major through the Advising Center. This allows assignment of a social work faculty advisor to assist students with planning their course of study. SWK 201 Introduction to Social Work provides an overview of the profession and should be taken before starting the two-year program of study. Social work majors or transfer students wishing to enter ENMU's B.S.W. program must apply for admission to ENMU Portales and the B.S.W. program by April 15 prior to the fall semester in which they wish to begin attending classes.

The B.S.W. program, in partnership with the New Mexico Children, Youth, and Families Department, may provide stipends to selected full-time B.S.W. senior students interested in careers in child welfare. The primary goals of this federally funded Child Welfare Scholar Program are to encourage qualified students to pursue careers in public child welfare and to prepare students to provide quality permanency planning, foster care and adoption services for children and families involved with child welfare.

The Bachelor of Social Work degree does not require a minor. Descriptions of SWK courses begin on Page 174.

## Degree: Bachelor of Social Work (B.S.W.)
## Major: Social Work

**1. Bachelor's Degree Requirements, see Page 38.**

**Note:** Students must successfully complete UNIV 101. The B.S.W. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Social Work Course Requirements (61 hours).**

| | | |
|---|---|---|
| SWK | 201 | Introduction to Social Work (3) |
| SWK | 311 | Social Work Practice I–Individuals (3) |
| SWK | 312 | Social Work Practice II–Families (3) |
| SWK | 321 | Human Behavior in the Social Environment (HBSE) I (3) |
| SWK | 322 | Human Behavior in the Social Environment (HBSE) II (3) |
| SWK | 334 | Introduction to Social Research (4) |
| SWK | 341 | Social Welfare Policy I (3) |
| SWK | 345 | Working with Aging Populations (3) |
| SWK | 349 | Perspectives in Mental Health (3) |
| SWK | 361 | Preparation for Field Placement (3) |
| SWK | 413 | Social Work Practice III–Small Groups (3) |
| SWK | 414 | Social Work Practice IV–Communities (3) |
| SWK | 416 | Public Child Welfare (3) |
| SWK | 425 | Southwest Peoples and Cultures (3) |
| SWK | 444 | Social Welfare Policy II (3) |
| SWK | 451 | Field Seminar I (3) |
| SWK | 455 | Field Placement I (3) |
| SWK | 461 | Field Seminar II (3) |
| SWK | 465 | Field Placement II (3) |
| SWK | 498 | Senior Seminar (3) |

**4. Electives to complete a minimum of 120 hours.**

Elective requirements for social work majors should be relevant to social work education. Due to the diverse nature of social work services and clients, the following disciplines and specific course offerings are highly recommended as electives for social work majors. Specific course suggestions are listed below. Electives should be considered carefully with special attention paid to prerequisite requirements for each course. Students are strongly advised to select electives in consultation with a social work faculty advisor.

ANTH 103, 233, 243, 333, 340, 350, 432
CJ: Most courses are applicable
COMM 101, 102, 202, 331, 334, 380, 470, 475, 477
ECON 200, 221, 222
ECE 280
FCS 221, 323, 333
HIST 203

NURS 312
PSCI 101, 102, 314, 321, 330
PSY 101, 201, 202, 300, 402, 421, 443, 445
SOC: Most courses are applicable
SWK 447, 450
SPAN 101, 102, 105, 201, 202, 205
STAT 213

The B.S.W. program additionally recommends social work students take at least one year of Spanish. Two years is preferable. Other languages such as ASL, Native American languages, etc. are suggested as electives.

## Additional Provisions

Students must meet the following conditions in order to graduate:

1. All students wishing to declare a social work major must submit this request to the Advising Center. For admittance to the B.S.W. program, students must enroll or apply to ENMU, Portales, declare social work as their major and complete the B.S.W. application process. Students must submit an application packet to the SWK program director by April 15 prior to the fall semester in which they wish to begin attending classes. This packet includes an application, essay and three references and is available from the program administrative assistant. In addition, an admission interview is conducted by B.S.W. faculty. Students are required to have a 2.50 GPA and at least junior status to begin the two-year course of study.
2. Courses are generally sequential in nature and are not designed for part-time study. Students may apply for admission to the social work program at any time during the academic year. Students who do not follow their degree plan as outlined or who do not complete required courses will extend their matriculation beyond two years.
3. Students in the B.S.W. program must follow all policies and procedures as outlined in the B.S.W. Student Manual and Field Instruction Manual. Both of these documents are available from program faculty as well as online.
4. All B.S.W. students must attend mandatory new student orientation prior to beginning the B.S.W. program. These orientations typically occur during the first week of fall and spring semester.
5. All students seeking to enter the social work program, including transfer students, or those who hold an A.A. or other degree, must meet with a social work faculty advisor to prepare the B.S.W. degree plan before enrolling. Students must also complete advising with a B.S.W. program advisor prior to enrolling each semester. Advising should be completed during the regular academic year (August to May) and students are encouraged to see their advisors during advising week each semester.
6. All General Education Requirements must be met (38 hours minimum).
7. Social work majors must take the 61 hours of social work courses. All social work courses must be completed with a grade of "C" or higher.
8. Students must select sufficient hours from required and elective course offerings to equal 120 hours minimum for graduation. Forty (40) hours of upper-division coursework must be taken. Thirty (30) of the final 60 hours must be taken at ENMU Portales.
9. Four hundred eighty (480) clock hours of field internship are required for the B.S.W. degree. These hours are spread across two semesters of study. Students must complete the preparation for field placement coursework and have been formally accepted into the field placement program prior to accruing any hours. Additional policies regarding the field placement program can be found in the Field Instruction Manual and students are strongly advised to refer to these policies. The Field Instruction Manual is available from the field director.
10. B.S.W. students may be required to complete departmental entrance and exit assessment as specified by the ENMU B.S.W. program.
11. Transfer course equivalencies must be demonstrated through transcripts and syllabi or exam scores. Students who have completed substantial coursework but who lack equivalent courses that satisfy the above conditions may be required to take additional courses to graduate with a B.S.W. These hours may be in addition to the requirements listed above.
12. Social work courses over five years old cannot be counted toward the ENMU B.S.W. degree and must be repeated.

## Suggested Program of Study for the Bachelor of Social Work

Below is a suggested sequence of courses for the B.S.W. **This is not an official degree plan**. For specific information, students should see their advisor.

Students should have completed the vast majority of general education and elective requirements before taking the following sequence of courses.

SWK 201 Introduction to Social Work should be taken in the fall, spring or summer semester of the sophomore year if possible.

| **Sophomore Year** | | | **Fall** | **Spr.** |
|---|---|---|---|---|
| SWK | 201 | Introduction to Social Work | | 3 |
| | | General Education | | 12 |
| | | **Total credit hours** | | **15** |
| | | | | |
| **Junior Year** | | | **Fall** | **Spr.** |
| SWK | 311 | Social Work Practice I–Individuals | 3 | |
| SWK | 312 | Social Work Practice II–Families | | 3 |
| SWK | 321 | Human Behavior I (HBSE I) | 3 | |
| SWK | 322 | Human Behavior II (HBSE II) | | 3 |
| SWK | 334 | Introduction to Social Research | 4 | |
| SWK | 341 | Social Welfare Policy I | 3 | |
| SWK | 345 | Working with Aging Populations | | 3 |
| SWK | 361 | Preparation for Field Experience | | 3 |
| SWK | 416 | Public Child Welfare | | 3 |
| Elective | | | 3 | |
| | | **Total credit hours** | **16** | **15** |
| | | | | |
| **Senior Year** | | | **Fall** | **Spr.** |
| SWK | 349 | Perspectives in Mental Health | 3 | |
| SWK | 413 | Practice III–Small Groups | 3 | |
| SWK | 414 | Social Work Practice IV–Communities | | 3 |
| SWK | 425 | Southwest Peoples and Cultures | 3 | |
| SWK | 444 | Social Welfare Policy II | | 3 |
| SWK | 451 | Fields Seminar I | 3 | |
| SWK | 455 | Field Placement I | 3 | |
| SWK | 461 | Field Seminar II | | 3 |
| SWK | 465 | Fields Placement II | | 3 |
| SWK | 498 | Senior Seminar | | 3 |
| | | **Total credit hours** | **15** | **15** |

## Minor: Social Work

**Note:** Students who major in social work may not also minor in social work.

The social work minor does not qualify students for licensure or employment in social work.

**Social Work Course Requirements (18 hours).**

| | | |
|---|---|---|
| SWK | 201 | Introduction to Social Work (3) |
| SWK | 321 | Human Behavior in the Social Environment (HBSE I) (3) |
| SWK | 345 | Working with Aging Populations (3) |
| SWK | 349 | Perspectives in Mental Health (3) |
| SWK | 416 | Public Child Welfare (3) |
| SWK | 450 | Inside Family Violence (3) |

# Department of History, Social Sciences and Religion


**Professors:** Suzanne Balch-Lindsay
Donald C. Elder, III
Steven Gamble
Gerald Gies
**Associate Professor:** Dale Streeter
**Assistant Professors:** Andy Nazario
Shirley Rollinson
Michael Ryan
Chelsea Starr
**Instructors:** Gary Piepkorn
Dag Sewell
Paul Smith


## History

The study of history helps the student better understand issues of importance in the modern world, fosters an enjoyment of history and makes the student's interest in the past a discriminating one. Coursework 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 civil or diplomatic services. The student majoring in history is required to take at least one upper-division course in each of three areas: United States, European and Non-Western History. A major is also offered in social studies with an emphasis in history to teach at the secondary level. The licensure is secondary social studies. The department recommends that all majors complete ENG 104 before beginning any upper-division coursework in history and that students enroll in HIST 290 (Introduction to Historical Methods) in the first semester they begin upper-division coursework in history. Descriptions of HIST courses begin on Page 162. Students in a major with licensure will complete the Teaching Degree General Education Requirements as found on Page 53 and the Professional Education Requirements listed on Page 56.

## 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 where we may be 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 164. Majors in history are required to complete one HUM course (HUM 221 or 222) as part of major requirements. Teacher education students may not apply HUM courses toward general education or endorsement requirements.

## Philosophy

Philosophy is a method. It is learning how to ask and re-ask questions in order to determine more closely definitions of "truth." Philosophy, then, develops new insight into human thought. Descriptions of PHIL courses begin on Page 171, and courses are offered for non-teaching general education credit only (Area V-b). Teacher education students may not apply PHIL courses toward general education or endorsement requirements.

### Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)

### Major: History

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **History Core Requirements (17 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 to 1500 (3) |
| *HIST | 122 | Survey of Western Civilization since 1500 (3) |
| HIST | 290 | Introduction to Historical Methods (1) |
| HIST | 306 | Survey of the Non-Western World (3) |
| HIST | 490 | Senior Portfolio in History (1) |

4. **Upper-Division History Requirements (18 hours).**
   Eighteen (18) hours of HIST that must include one course each in U.S. (HIST 327, 328, 372, 413, 414, 431, 432, 433); European (HIST 321, 322, 324, 410, 411, 412, 428) and Non-Western (HIST 375, 377, 379, 381, 407) history. One HIST 493 (3) may be taken as part of required hours in HIST.
5. **Required courses in other areas (9 hours).**

| | | |
|---|---|---|
| *ANTH/ GEOG | 233 | People and Cultures of the World (3) **OR** |
| ANTH/ GEOG | 103 | Humans and Their Environments (3) **OR** |
| ANTH | 310 | Origins of Human Diversity (3) |
| *ECON | 200 | Survey of Economics (3) **OR** |
| ECON | 221 | Principles of Macroeconomics (3) |
| *HUM | 221 | Introduction to World Humanities (3) **OR** |
| HUM | 222 | Introduction to Modern World Humanities (3) |

6. **Minor in a different field or a second major.**
7. **Electives to complete a minimum of 120 hours.**

*May also be used to satisfy General Education Requirements.

### Minor: History

**Note:** Students who major in history may not also minor in history.

**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 to 1500 (3) |
| HIST | 122 | Survey of Western Civilization since 1500 (3) |

Students must complete 9 additional hours of HIST at least 6 of which must be upper division (300-/400-level).

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
## Major: Social Studies with Emphasis in History
## Licensure: Secondary Social Studies

**Note:** GPA of 3.00 is required in general education, endorsement area(s) and minor (if applicable).

The teaching areas are anthropology, economics, geography, political science and sociology. The social studies with emphasis in history major will prepare a student for endorsement in general social studies.

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teacher General Education Requirements (55-58 hours), see Page 53.**
3. **Social Studies Core Requirements (21 hours).**

| | | |
|---|---|---|
| *ANTH/ GEOG | 103 | Humans and Their Environments (3) |
| *ANTH/ GEOG | 233 | People and Cultures of the World (3) |
| ANTH | 333 | Anthropology of the Developing World (3) **OR** |
| SOC | 320 | Social and Cultural Change (3) |
| *ECON | 200 | Survey of Economics (3) **OR** |
| *ECON | 221 | Principles of Macroeconomics (3) |
| *PSCI | 101 | Introduction to Political Science (3) |
| *PSCI | 102 | American National Government (3) |
| *SOC | 101 | Introductory Sociology (3) |

4. **History Core Requirements (10 hours).**

| | | |
|---|---|---|
| HIST | 101, 102, 121 **OR** 122 not taken in General Education (3) | |
| HIST | 290 | Introduction to Historical Methods (1) |
| HIST | 306 | Survey of the Non-Western World (3) |
| HIST | 409 | Teaching Social Studies (3) |

5. **Additional Courses in History.**
   Fifteen (15) hours of HIST that must include one course each in U.S. (HIST 327, 328, 372, 413, 414, 431, 432, 433); European (HIST 321, 322, 324, 410, 411, 412, 428); and Non-Western (HIST 375, 377, 379, 381, 407) history. One HIST 493 (3) may be taken as part of required hours in HIST.
6. **Professional Education Requirements (39 hours), see Page 56.**
7. **This program requires about 137 hours.**

*May also be used to satisfy General Education Requirements.

## Subject Matter Endorsement
## Area/Minor: Social Studies
## Licensure: Elementary and Special Education

**Note:** GPA of 3.00 is required in the minor.

**Note:** Students who major in social studies may not also minor in social studies.

**Social Studies Course Requirements (24 hours).**

| | | |
|---|---|---|
| *ANTH/ GEOG | 103 | Humans and Their Environment (3) **OR** |
| ANTH/ *GEOG | 233 | Peoples and Cultures of the World (3) |
| ANTH | 333 | Anthropology of the Developing World (3) **OR** |
| SOC | 320 | Social and Cultural Change (3) |
| *ECON | 200 | Survey of Economics (3) **OR** |
| *ECON | 221 | Principles of Macroeconomics (3) |
| HIST | 101, 102, 121 or 122 not taken in General Education (3) | |
| HIST | 306 | Survey of the Non-Western World (3) |
| HIST | 409 | Teaching Social Studies (3) |
| *PSCI | 102 | American National Government (3) |
| *SOC | 101 | Introductory Sociology (3) |

*May also be used to satisfy General Education Requirements.

# 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, multicultural, cross-cultural and global perspectives are central. Students may major or minor in sociology. Students considering post-graduate study in the social sciences are encouraged to choose STAT 213 Statistical Methods I to complete general education mathematics requirements Descriptions of SOC courses begin on Page 175.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)

## Major: Sociology

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Sociology Course Requirements (22 hours).**

| | | |
|---|---|---|
| *SOC | 101 | Introduction to Sociology (3) |
| SOC | 280 | SOC/CJ Major Orientation (1) |
| SOC | 303 | Race, Ethnicity and Gender (3) |
| SOC | 402 | Development of Social Thought (3) **OR** |
| SOC | 411 | Contemporary Sociological Theory (3) |
| SOC | 324 | Social Psychology (3) **OR** |
| SOC | 431 | Deviant Behavior (3) |
| SOC | 311 | Collective Behavior (3) **OR** |
| SOC | 320 | Social and Cultural Change (3) |
| SOC | 434 | Social Research Methods (3) |

**One course from the following:**

| | | |
|---|---|---|
| SOC | 415 | Sociology of the Family (3) |
| SOC | 416 | Sociology of Media (3) |
| SOC | 417 | Sociology of Medicine (3) |
| SOC | 419 | Sociology of Law (3) |
| SOC | 420 | Drugs and Society (3) |

*May also be used to satisfy General Education Requirements.

4. **Other requirements in Sociology (12 hours).**
   Students must also complete 12 hours of SOC electives, at least 6 of which must be upper division (300-/400-level).
5. **Minor in a different field or a second major.**
6. **Electives to complete a minimum of 120 hours.**

## Minor: Sociology

**Note:** Students who major in sociology may not also minor in sociology.

**Sociology Requirements (21 hours).**

| | | |
|---|---|---|
| *SOC | 101 | Introductory Sociology (3) |
| SOC | 303 | Race, Ethnicity and Gender (3) |
| SOC | 434 | Social Research Methods (3) |
| SOC | 402 | Development of Social Thought (3) **OR** |
| SOC | 411 | Contemporary Sociological Theory (3) |

Students must also complete 9 hours of SOC electives, at least 6 of which must be upper division (300-/400-level).

*May also be used to satisfy General Education Requirements.

# 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 or related fields. Students considering post-graduate study in the social sciences are encouraged to choose STAT 213 Statistical Methods I to complete general education mathematics requirements. Students may major or minor in criminal justice. Descriptions of CJ courses begin on Page 145.

## Transferring the Criminal Justice Discipline Module

Consistent with the requirements of Statute 21-1B-4, the NM Higher Education Department and state higher education institutions have developed several discipline modules that consist of an agreed-upon number of hours and courses, including the general education core of approximately 64 hours applicable to a specific discipline. The courses listed in each discipline matrix, including the general education core, are transferable and shall count toward fulfilling degree requirements at four-year institutions in New Mexico. Equivalent courses within these modules are identified with common course numbers as an easy reference point to guarantee transfer. The New Mexico Common Course equivalent numbers for the criminal justice module courses listed below can be found following their course descriptions in the back of this catalog. Students wishing to transfer to another college or university should consult an advisor there to see a list of common course equivalencies for that institution.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)

## Major: Criminal Justice

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Criminal Justice Course Requirements (13 hours).**

| | | |
|---|---|---|
| CJ | 102 | Introduction to Criminal Justice (3) |
| CJ | 301 | Criminal Law and the Courts (3) |
| CJ | 312 | Criminology (3) |
| CJ | 489 | Internship (4) |

4. **Other requirements in Criminal Justice (18 hours).**
   Students must also complete 18 hours of CJ electives, at least 12 of which must be upper division (300-/400-level).
5. **Requirements in Sociology (13 hours).**

| | | |
|---|---|---|
| *SOC | 101 | Introductory Sociology (3) |
| SOC | 280 | SOC/CJ Major Orientation (1) |
| SOC | 434 | Social Research Methods (3) |

   Select two of the following (6 hours, total)

| | | |
|---|---|---|
| SOC | 303 | Race, Ethnicity, and Gender (3) |
| SOC | 419 | Sociology of Law (3) |
| SOC | 431 | Deviant Behavior (3) |

*May also be used to satisfy General Education Requirements.

6. **Required courses in other areas (3 hours).**

| | | |
|---|---|---|
| ENG | 305 | Report Writing (3) |

7. **Minor in a different field or a second major.**
8. **Electives to complete a minimum of 120 hours.**

## Minor: Criminal Justice

**Note:** Students who major in criminal justice may not also minor in criminal justice.

**Criminal Justice Requirements (9 hours).**

| | | |
|---|---|---|
| CJ | 102 | Introduction to Criminal Justice (3) |
| CJ | 301 | Criminal Law and the Courts (3) |
| CJ | 312 | Criminology (3) |

**Other requirements in Criminal Justice (9 hours).**
Students must also complete 9 hours of CJ electives, at least 6 of which must be upper division (300-/400-level).

**Requirements in Sociology (3 hours selected from the following):**

| | | |
|---|---|---|
| SOC | 303 | Race, Ethnicity and Gender (3) |
| SOC | 419 | Sociology of Law (3) |
| SOC | 431 | Deviant Behavior (3) |

# Religion

The religion program explores the major world religions, particularly those in the Judeo-Christian tradition. The courses emphasize the foundational texts, history and cultures of the religions. The courses also include practical aspects of religious ministry and the development of spiritual and ethical values.

The program offers a wide variety of courses including archaeology, biblical studies, church history, Greek, Hebrew, homiletics, philosophy of religion, sociology of religion, world religions, and youth and family ministry. Students may pursue a major or a minor in religion, and/or a minor in Greek, Hebrew or biblical studies, or take courses for their general studies and personal development. Any student at ENMU may take religion courses to fulfill some of the General Education Requirements for graduation. Descriptions of REL courses begin on Page 173.

## Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)

## Major: Religion

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Religion Course Requirements (34 hours).**

| | | |
|---|---|---|
| REL | 101 | Old Testament Survey (3) |
| REL | 103 | New Testament Survey (3) |
| REL | 201 | Principles of Textual Interpretation (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) |

   Three credit hours taken from the following courses:
   REL 302, 303, 305, 310, 315, 334, 406, 410, 415, 420
   Students must also complete 15 hours of REL electives with a minimum of 9 hours upper division (300-/400-level).
4. **Minor in a different field or a second major.**
   **Note:** This major requires a minor or a second major. A student majoring in religion is encouraged to major or minor in one of the following fields: anthropology, biblical languages, English, Greek, Hebrew, history, journalism, Spanish, music, political science, psychology, sociology or communication.
5. **Electives to complete a minimum of 120 hours.**

## Minor: Religion

**Note:** Students who earn a B.A. or B.S. with a major in religion may not also minor in 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) |

Students must also complete 9 hours of REL electives with a minimum of 6 hours upper division (300-/400-level).

# Biblical Languages

## Minor: Biblical Languages

**Note:** Students with a minor in Greek or Hebrew may not also minor in biblical languages.

**Language Course Requirements (20 hours).**

| | | |
|---|---|---|
| GR | 201 | Beginning Greek (4) |
| GR | 202 | Continuation of Beginning Greek (4) |
| HEB | 201 | Beginning Hebrew (4) |
| HEB | 202 | Continuation of Beginning Hebrew (4) |

Students must also complete 4 hours of upper-division (300-/400-level) GR or HEB courses.

## Minor: Greek

A minor in Greek prepares students to read and understand Greek texts, particularly those of the New Testament. Homeric and Classical Greek, and the Greek of the Septuagint (Old Testament translation) may be included in advanced courses. Students of Greek are eligible to compete for the Zondervan Greek awards program. The Greek program is open to all students. Descriptions of GR courses begin on Page 158.

**Greek Course Requirements (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) |

Students must also complete 4 hours of upper-division (300-/400-level) GR courses.

## Minor: Hebrew

A minor in Hebrew prepares students to read and understand Hebrew, particularly the texts of the Old Testament. The Hebrew program is open to all students. Students of Hebrew are eligible to compete for the Zondervan Hebrew awards program. Descriptions of HEB courses begin on Page 162.

**Hebrew Course Requirements (18 hours).**

| | | |
|---|---|---|
| HEB | 201 | Beginning Hebrew (4) |
| HEB | 202 | Continuation of Beginning Hebrew (4) |
| HEB | 301 | Intermediate Hebrew (3) |
| HEB | 302 | Continuation of Intermediate Hebrew (3) |

Students must also complete 4 hours of upper-division (300-/400-level) HEB courses.

# Interdisciplinary Programs

One option is available within the College of Liberal Arts and Sciences for the student who wishes to pursue an interdisciplinary program of study. A student may pursue an Associate of Arts degree in general studies. Working closely with an academic advisor, a student may select courses suited to personal interests and needs without regard to required courses for majors.

### Degree: Associate of Arts (A.A.)
### Major: General Studies

1. **Associate Degree Requirements, see Page 38.**
   **Note**: Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41.**
3. **Electives (28-29 hours).**
   It is recommended that at least 15 hours be in one area of concentration within the College of Education and Technology, College of Fine Arts or College of Liberal Arts and Sciences.
   **Fifteen (15) of the final 30 hours must be completed in residence at ENMU-Portales.**

# Forensic Sciences

Forensic science is the field of study involved in solving crimes and the identification of human remains. Most students with a major in forensic science can expect to work in a laboratory setting as a lab technician, performing DNA, controlled substance or osteological analyses. Because forensic science is such a diverse field, the American Society for Clinical Laboratory Science recommends that students specialize in a particular branch of investigation. Three specialized tracks are available in the program: forensic anthropology, forensic biology and forensic chemistry. Students majoring in forensic science will need to take a set of core courses plus the courses required for one of these specialized tracks. Forensic science does not require a minor. The Bachelor of Science degree requires at least 40 hours of upper-division credits. Depending on the forensic science emphasis area and course selection, additional elective upper-division credit hours may be required to meet the 40 hours upper-division requirement. **Note:** Students interested in pursuing a career as a medical examiner need to follow the pre-medicine program.

**Forensic Sciences Core Requirements (48-49 hours).**

| | | |
|---|---|---|
| ANTH/BIOL/ CHEM | 125/L | Survey of Forensic Science (4) |
| ANTH/CJ | 255 | Forensic Anthropology (3) |
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| 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) |
| CJ | 102 | Introduction to Criminal Justice (3) |
| CJ | 258 | Criminal Investigations (3) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |
| STAT | 213 | Statistical Methods I (4) |
| MATH | 124 | Calculus I (4) **OR** |
| MATH | 215 | A Survey of Calculus (3) |

### Degree: Bachelor of Science (B.S.)
### Major: Forensic Science
### Emphasis: Forensic Anthropology

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Forensic Science Course Requirements (48-49 hours).**
4. **Forensic Anthropology Emphasis Area Requirements (25 hours)**.

| | | |
|---|---|---|
| ANTH | 245/L | Introduction to Archaeology (4) |
| ANTH | 404 | Human Osteology (3) |
| ANTH | 411/L | Skeletal Analysis (3) |
| ANTH | 416/L | Applied Microscopy (3) |
| BIOL | 209/L | Anatomy and Physiology I (4) |
| GEOL | 151/L | Physical Geology (4) |
| GEOL | 311/L | Stratigraphy and Sedimentation (4) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

### Degree: Bachelor of Science (B.S.)
### Major: Forensic Science
### Emphasis: Forensic Biology

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Forensic Science Course Requirements (48-49 hours).**
4. **Forensic Biology Emphasis Area Requirements (26 hours).**

| | | |
|---|---|---|
| BIOL | 209/L | Anatomy and Physiology I (4) |
| BIOL | 210/L | Anatomy and Physiology II (4) |
| BIOL | 222 | Cell Biology (3) |
| BIOL | 304/L | Genetics (4) |
| BIOL | 306/L | General Microbiology (4) |
| BIOL | 422/L | Medical Microbiology (4) **OR** |
| BIOL | 425/L | Molecular Biology (4) |
| CHEM | 452 | Biochemistry (3) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Forensic Science
## Emphasis: Forensic Chemistry

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Forensic Science Course Requirements (48-49 hours), see Page 110.**
4. **Forensic Chemistry Emphasis Area Requirements (25-26 hours).**

| | | |
|---|---|---|
| CHEM | 233/L | Quantitative Analysis (4) |
| CHEM | 401/L | Biochemical Methods (2) |
| CHEM | 407 | Forensic Chemistry (3) |
| CHEM | 450/L | Instrumental Analysis (4) |
| CHEM | 452 | Biochemistry (3) |
| CHEM | 453 | Advanced Biochemistry (3) |

   Students must also complete 3 to 4 hours of upper-division CHEM electives.

   Students must also complete 3 hours from the following: ANTH 404, 482/L; BIOL 375, 422/L, 424/L, 425/L; CJ 309, 310, 432; GEOL 305/L, 454; PSY 402; any upper-division CHEM course.
5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

# Allied Health Sciences Programs

ENMU offers a variety of options for students who wish to enter into professions in the medical, veterinary or allied health fields. Some professional schools allow students to transfer into their programs without completion of a formal degree; others may require a formal degree that includes specific course requirements. The options listed below for specific fields are available to students who should research potential professional schools for their specific requirements and what courses to take as preparation. Candidates for these programs are typically assigned an advisor in biology or chemistry, although other possibilities exist (e.g., an agriculture advisor for pre-veterinary preparation or a physics advisor for a pre-med student). The biology and chemistry programs also support an Allied Health Sciences advisory committee and student organizations (e.g., Caduceus Society, Pre-dental Society and Pre-pharmacy Society). These organizations meet regularly and can provide additional information. It is important that students interested in pre-medicine, pre-veterinary medicine and allied health fields consult with a potential advisor/mentor and research catalogs of potential professional schools as early as possible (even before an advisor is officially assigned if possible and certainly within the freshman year). Members of the Allied Health Sciences advisory committee and/or chairs of the departments are available to help students select the most appropriate advisor based on specific needs/interests, and students should feel free to consult them as needed.

## Pre-Physician Assistant

Admission requirements for physician assistant programs (not offered at ENMU) vary from school to school. Interested students should make early contact with the schools of their choice for specific admissions requirements. Commonly, students must have 60 semester hours before enrolling in these programs. These include the following:

Anthropology or Sociology (3 hours)
College Algebra (3 hours)
Cross-cultural course (3 hours)
English Composition (3 hours)
Expository or Technical Writing (3 hours)
General Biology (4 hours)
General Chemistry (8 hours)
General Psychology (3 hours)
Human Anatomy and Physiology (8 hours)
Humanities (Literature, History or Philosophy) (6 hours)
Multicultural courses (6 hours)

Specific requirements vary by school. Students should consult these schools' catalogs and their ENMU advisor to select a course of study.

## Pre-Medicine

Pre-medical students often take an undergraduate major in either biology (with a pre-medicine emphasis) or chemistry with a strong minor in the other field. Although students who major in biology do not require a minor, biology students with a pre-medicine emphasis often elect to minor in chemistry given the number of chemistry hours in the biology major. Students with other majors may be admitted to medical schools if they show evidence of 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 Admission Requirements (MSAR): The Most Authoritative Guide to U.S. and Canadian Medical Schools," which is updated annually, and published by the Association of American Medical Colleges. The information is available online at **aamc.org** and in the biology/physical science office, Roosevelt Hall (RH), 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) including the following specific course requirements:

   College mathematics, one year (calculus is recommended)
   General biology or zoology (including laboratory, one year)
   General chemistry (including laboratory, one year)
   General physics (including laboratory, one year)
   Organic chemistry (including laboratory, one year)

A course in biochemistry is strongly recommended. Check specific school requirements to see if it is recommended prior to admission or taught during the medical school program. Other science courses that the student may find helpful in preparing for medical school include genetics, cell physiology, anatomy and physiology and computer science. Check the admissions requirements of specific medical schools for the acceptance of online courses in the fulfillment of pre-medical coursework prerequisites.

Prospective medical students should become acquainted as early as possible with entrance requirements of prospective medical schools. 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. **It is imperative that students plan their course of study to have completed required courses in the biological sciences, physics, organic chemistry and inorganic chemistry before taking the MCAT**. The reason many students do poorly on the MCAT is failure to fully complete preparative courses first. In particular, much of the biologically-relevant organic chemistry is taught in the last half of the second semester of organic chemistry. Important information regarding the MCAT exam, such as study preparation and practice exams, can be found in the publication "The Official Guide to the MCAT Exam," which may be obtained at **aamc.org**.

Details of the admission test and other information pertaining to the pre-medical program may be obtained from an advisor or members of the Allied Health Sciences committee.

## 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:

Biological sciences (8-12 hours)
English (6 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 an advisor or members of the Allied Health Sciences advisory committee.

## Pre-Pharmacy

Most colleges of pharmacy are five-year programs, with two years of university preparation followed by three years of study/internship with a college of pharmacy. In order to be able to transfer to a pharmacy school after two years, a student's program must correlate closely with the program recommended by the prospective college of pharmacy into which the student is considering entry. The ENMU pre-pharmacy program consists of two years (61 semester hours):

Calculus I and II (8 hours)
Computer literacy (3 hours)
Electives–history, psychology, etc. (6 hours)
English (6 hours)
General biology (4 hours)
General chemistry (8 hours)
Human anatomy and physiology with cadaver laboratory (8 hours)
Microbiology (4 hours)
Microeconomics (3 hours)
Organic chemistry (8 hours)
Statistics (3 hours)

Specific requirements vary by school, and students should tailor their course of study accordingly. For further information contact an advisor or members of the Allied Health Sciences advisory committee.

## 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:

General biology (8 hours including laboratory)
General chemistry (8 hours including laboratory)
General physics (8 hours including laboratory)
Language and communication (6 hours)
Organic chemistry (4 hours including laboratory)
Psychology (9 hours)

Further information may be obtained from an advisor or members of the Allied Health Sciences advisory committee.

## 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. Hands-on or practical experience in a veterinary clinic is often desirable. New Mexico has established contractual agreements with certain schools of veterinary medicine that permit competitive placement of a number of New Mexico residents each year. For further information, consult an advisor or members of the Allied Health Sciences advisory committee.

## Other Health Science Programs

Students interested in other courses of study for allied health programs not listed here should consult their advisor or members of the Allied Health Sciences advisory committee for specific recommendations and design of a suitable course of study to meet their needs.

# Department of Languages and Literature

**Professor:** Mary Fanelli Ayala
**Associate Professors:** Nina Björnsson, Patrice Caldwell, J. Vitelio Contreras, Carol Erwin, Linda Sumption
**Assistant Professor:** Amanda Gerber
**Instructors:** Gillian Anderson, Opal Greer, Cheryl Hendershot, Gloria Jurado, Nancy Peterson, Carol Singletary, Beatriz Villa

## 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.

Prospective English majors are reminded the B.A. degree requires proficiency in a second language, other than English. All students enrolling in a 200-level course should have completed English 102 and 104 with a grade of "C" or higher and those enrolling in upper-division English courses are required to have completed English 102 and 104 with a grade of "C" or higher. Writing assignments in these courses will assume knowledge of the skills taught in 100-level courses. Students in a major with licensure will complete the Teaching Degree General Education Requirements as found on Page 53 and the Professional Education Requirements listed on Page 56. Descriptions of ENG courses begin on Page 153.

### Degree: Bachelor of Arts (B.A.)
### Major: English

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. English Course Requirements (37 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 | 301 | Cinema Studies (3) |
| ENG | 330 | Literary Theory (3) |
| ENG | 378 | World Literature (3) |
| ENG | 401 | Creative Non-Fiction (3) |
| ENG | 494 | Senior Capstone (1) |

Students must also complete 9 hours of upper-division (300-/400-level) ENG electives from the following: ENG 335, 376, 413, 426, 430, 441, 447.

**4. Minor in a different field or a second major.**

**5. Electives to complete a minimum of 120 hours.**

### Minor: English

**Note:** Students earning a major in English may not also minor in English.

**English Course Requirements (21 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 | 301 | Cinema Studies (3) |

Students must also complete 3 hours of upper-division ENG electives.

### Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
### Major: English
### Licensure: Secondary

**Note:** GPA of 3.00 is required in the endorsement area.

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Teacher General Education Requirements (55-58 hours), see Page 53.**

**3. English Course Requirements (40 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 | 301 | Cinema Studies (3) |
| ENG | 330 | Literary Theory (3) |
| ENG | 401 | Creative Non-Fiction (3) |
| ENG | 441 | Shakespeare (3) |
| ENG | 494 | Senior Capstone (1) |
| ENG | 496 | Methods of Teaching Secondary English (3) |

Students must also complete 9 hours of upper-division (300-/400-level) electives from the following: ENG 335, 376, 378, 413, 426, 430, 447.

**4. Professional Education Requirements (39 hours), see Page 56.**

**5. This program requires about 131 hours.**

**Note:** This major does not require a minor.

**Subject Matter Endorsement**
**Area/Minor: English**
**Licensure: Secondary Only**

**Note:** GPA of 3.00 is required in the minor.

**English Course Requirements (24 hours).**

| | | |
|---|---|---|
| ENG | 211 | Introduction to Literature (3) |
| ENG | 301 | Cinema Studies (3) |
| ENG | 401 | Creative Non-Fiction (3) |
| ENG | 496 | Methods of Teaching Secondary English (3) |

**Choose two of the following:**

| | | |
|---|---|---|
| ENG | 221 | British Literature Survey I (3) **OR** |
| ENG | 222 | British Literature Survey II (3) |
| ENG | 251 | American Literature Survey I (3) **OR** |
| ENG | 252 | U.S. Literature Survey II (3) |

Students must also complete 6 hours of upper-division (300-/400-level) ENG electives, from the following list: ENG 335, 376, 378, 413, 426, 430, 441, 447.

## Creative Writing

The creative writing minor prepares students for opportunities in multiple genres of creative writing such as screen writing, creative non-fiction, and magazine and feature writing. Students will hone their skills in bringing their creative writing and poetry into publishable form.

**Minor: Creative Writing**

**Course Requirements (18 Hours).**

| | | |
|---|---|---|
| DFM | 115 | Dramatic Analysis (3) |
| DFM | 340 | Writing the Screenplay (3) |
| ENG | 205 | Introduction to Poetry and Fiction Writing (3) |
| ENG | 320 | Trends in Creative Writing (3) |
| ENG | 335 | Creative Writing (3) |
| ENG | 401 | Creative Non-fiction (3) |

## American Language and Culture

The American language and culture program at ENMU offers courses to assist international students or others who need to improve their English. The courses are designed to help students develop academic English skills so they can succeed in their University studies. Enrollment in ALC courses is determined by a placement exam that is given each semester. Descriptions of ALC courses begin on Page 131.

**Courses Offered:**

| | | |
|---|---|---|
| ALC | 102 | Foundations of English I (3) |
| ALC | 104 | Foundations of English II (3) |
| ALC | 202 | English Conversation I (3) |
| ALC | 204 | English Conversation II (3) |
| ALC | 210 | English for Academic Purposes I (3) |
| ALC | 212 | English for Academic Purposes II (3) |
| ALC | 290 | TOEFL Preparation (3) |
| ALC | 293 | Topics in American Language and Culture (3) |

## Modern Languages

The modern languages program provides 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 an advanced 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, courses that 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 157. Course descriptions for SPAN courses begin on Page 176.

**Degree: Bachelor of Arts (B.A.)**
**Major: Spanish**

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note**: Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Spanish Course Requirements (37 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) |
| SPAN | 492 | Senior Seminar in Spanish Studies (3) |
| SPAN | 494 | Senior Capstone (1) |

   Students must also complete 12 hours of SPAN electives including 9 of upper-division (300-/400-level) courses.
4. **Minor in a different field or a second major.**
5. **Electives to complete a minimum of 120 hours.**

## Degree: Bachelor of Arts (B.A.)
## Major: Spanish
## Licensure: Secondary

**Note:** GPA of 3.00 is required in the licensure area.

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note**: Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teacher General Education Requirements (55-58 hours), see Page 53.**
3. **Spanish Course Requirements (37 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) |
| SPAN | 436 | Teaching of Modern Languages (3) |
| SPAN | 492 | Senior Seminar in Spanish Studies (3) |
| SPAN | 494 | Senior Capstone (1) |

   Students must also complete 9 hours of SPAN electives including 3 hours of upper-division (300-/400-level) courses.
4. **Professional Education Requirements (36 hours), see Page 56.**
5. **This program requires about 131 hours.**

**Note:** This major does not require a minor.

## Minor: Spanish

**Note:** Students earning a major in Spanish may not also minor in Spanish. Students must also complete 21 hours in SPAN, including 9 hours of upper-division (300-/400-level) courses.

## Subject Matter Endorsement
## Area/Minor: Spanish
## Licensure: Elementary/Special Education and Secondary Education

**Note:** GPA of 3.00 is required in the minor.

**Spanish 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) |
| 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/FR | 436 | Teaching of Modern Languages (3) |

Students must also complete 6 hours of upper-division (300-/400-level) SPAN courses.

# Department of Mathematical Sciences


**Professors:** Mo H. Ahmadian, Hamid Allamehzadeh, Regina Aragon, Thomas Brown

**Associate Professors:** Kristi Jarman, Brian Pasko

**Assistant Professors:** Juyen Hung, Indika Wickramasinghe

**Instructors:** Shelly Best, Joan Brown, D'Layna Moore, Kimberly Potters, Ann Varela, Mary Beth Williams


## 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. The industrial mathematics and statistics major prepares students well for working in the industrial and commercial world. The major is a blend of mathematics, statistics and computer science.

Students in a major with licensure must complete the Teacher Education General Education Requirements as found on Page 53 and the Professional Education Requirements listed on Page 56. Descriptions for MATH courses begin on Page 166.

### Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
### Major: Mathematics

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Mathematics Course Requirements (45 hours).**

| | | |
|---|---|---|
| CS | 123 | Computer Science I (4) |
| 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 (4) |
| MATH | 352 | Introduction to Linear Algebra (4) |
| MATH | 371 | Real Analysis (3) |
| STAT | 403 | Probability and Mathematical Statistics (3) |

   Students must also complete 9 hours upper-division (300-/400-level) MATH (excluding MATH 310, 311, 317, 345 and 429), STAT (excluding STAT courses taken by statistics minors) or CS courses (excluding CS courses taken by computer science minors).
4. **Minor in a different field or a second major.**
5. **Electives to complete a minimum of 120 hours.**

### Degree: Bachelor of Science (B.S.)
### Major: Industrial Mathematics and Statistics

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Math Course Requirements (59 hours).**

| | | |
|---|---|---|
| CS | 123 | Computer Science I (4) |
| CS | 220 | Discrete Mathematics for Computer Science (3) |
| CS | 234 | Computer Science II (4) |
| CS | 357 | Data Structures (3) |
| ENG | 305 | Report Writing (3) |
| MATH | 124 | Calculus I (4) |
| MATH | 132 | Calculus II (4) |
| MATH | 202 | Calculus III (4) |
| MATH | 340 | Foundations of Higher Mathematics (3) |
| MATH | 351 | Ordinary Differential Equations (4) |
| MATH | 352 | Introduction to Linear Algebra (4) |
| MATH | 409 | Numerical Analysis (3) |
| MATH | 420 | Combinatorial Analysis (3) |
| STAT | 213 | Statistical Methods I (4) |
| STAT | 313 | Statistical Methods II (3) |
| STAT | 403 | Probability and Mathematical Statistics (3) |
| STAT | 417 | Operations Research (3) |

4. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

### Minor: Mathematics

**Note:** Students earning a major in mathematics or in industrial mathematics and statistics may not also minor in mathematics.

**Mathematics Course Requirements (24-26 hours).**

| | | |
|---|---|---|
| MATH | 124 | Calculus I (4) |
| MATH | 132 | Calculus II (4) |
| MATH | 202 | Calculus III (4) |

Students must also complete 4 upper-division (300-/400-level) MATH electives or STAT electives (12-14 hours) excluding MATH 310, 311, 317, 345 and 429.

## Statistics

Statistics courses are divided into two categories: (1) basic statistical methodology requiring no prior coursework, STAT 213; (2) statistical methodology, probability and statistical theory requiring a computing background and/or a mathematics background and prior coursework in statistics, STAT 313, 403, 417. Descriptions for STAT courses begin on Page 177.

### Minor: Statistics

**Note:** Students earning a major in industrial mathematics and statistics may not also minor in statistics.

**Statistics Course Requirements (21 hours).**

| | | |
|---|---|---|
| MATH | 124 | Calculus I (4) |
| MATH | 132 | Calculus II (4) |
| STAT | 213 | Statistical Methods I (4) |
| STAT | 313 | Statistical Methods II (3) |
| STAT | 403 | Probability and Mathematical Statistics (3) |
| STAT | 417 | Introduction to Operations Research (3) |

## Mathematics Education

The B.A. and B.S. degrees with a major in mathematics for secondary education are designed to provide future teachers with the necessary knowledge and skills to teach standards-based secondary mathematics. The program undergoes continuous review to ensure that teaching candidates are knowledgeable in required competencies, and instructed in best methods for teaching mathematics.

### Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
### Major: Mathematics for Secondary Education
### Licensure: Secondary

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), see Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teacher General Education Requirements (55-58 hours), see Page 53.**
3. **Mathematics Course Requirements (44-45 hours).**
   **Note:** GPA of 3.00 is required in the licensure area.

| | | |
|---|---|---|
| CS | 121 | Computing Concepts (3) **OR** |
| CS | 123 | Computer Science I (4) |
| MATH | 124 | Calculus I (4) |
| MATH | 132 | Calculus II (4) |
| MATH | 202 | Calculus III (4) |
| MATH | 310 | Secondary Mathematical Concepts I (3) |
| MATH | 311 | Secondary Mathematical Concepts II (3) |
| MATH | 317 | Introduction to Geometry (3) |
| MATH | 340 | Foundations of Higher Mathematics (3) |
| MATH | 341 | Abstract Algebra I (3) |
| MATH | 352 | Introduction to Linear Algebra (4) |
| MATH | 413 | History of Mathematics (3) |
| MATH | 429 | Methods for Teaching Secondary Mathematics (3) |
| STAT | 213 | Statistical Methods I (4) |

4. **Professional Education Requirements (39 hours), see Page 56.**
5. **This program requires about 134 hours.**

**Note:** This major does not require a minor.

### Subject Matter Endorsement
### Area/Minor: Mathematics for Secondary Education
### Licensure: Secondary

**Note**: GPA of 3.00 is required in the endorsement area.

**Mathematics Course Requirements (24 hours).**

| | | |
|---|---|---|
| MATH | 124 | Calculus I (4) |
| MATH | 132 | Calculus II (4) |
| MATH | 310 | Secondary Mathematical Concepts I (3) |
| MATH | 311 | Secondary Mathematical Concepts II (3) |
| MATH | 317 | Introduction to Geometry (3) |
| MATH | 340 | Foundations of Higher Mathematics (3) |
| STAT | 213 | Statistical Methods I (4) |

### Subject Matter Endorsement
### Area/Minor: Mathematics for Elementary Education
### Licensure: Elementary or Special Education

**Note:** GPA of 3.00 is required in the endorsement area.

**Mathematics Course Requirements (24 hours).**

| | | |
|---|---|---|
| MATH | 113 | Liberal Arts Math (4) |
| MATH | 119 | College Algebra (4) |
| MATH | 261 | Mathematics for Teaching Grades PreK-2 (3) |
| MATH | 262 | Mathematics for Teaching Grades 3-5 (3) |
| MATH | 310 | Secondary Mathematical Concepts I (3) |
| MATH | 345 | Mathematics for Teaching Grades 6-8 (3) |
| STAT | 213 | Statistical Methods I (4) |

If additional hours are needed to complete 24 hours in the content area, students may choose from: CS 121, MATH 120, 124 or 317.

## Computer Science

Computer science is the study of how to solve problems using the computer, in particular to design, analyze and implement computer software. With this major, 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. 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 145.

### Degree: Bachelor of Science (B.S.)
### Major: Computer Science

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Computer Science Course Requirements (30 hours).**

| | | |
|---|---|---|
| CS | 102 | Computer Science Orientation (1) |
| CS | 123 | Computer Science I (4) |
| CS | 220 | Discrete Mathematics for Computer Science (3) |
| CS | 234 | Computer Science II (4) |
| CS | 301 | Programming Language Concepts (3) |
| CS | 357 | Data Structures (3) |
| CS | 360 | Object-Oriented Development (3) |
| CS | 451 | Design and Analysis of Algorithms (3) |
| CS | 461 | Operating Systems (3) |
| CS | 472 | Software Engineering (3) |

4. **Required courses in other areas (17-18 hours).**

| | | |
|---|---|---|
| EET | 340 | Introduction Computer Organization/Architecture (3) |
| ENG | 305 | Report Writing (3) |
| MATH | 124 | Calculus I (4) |
| MATH | 132 | Calculus II (4) |

One course from STAT 213, 313, 403 or 417 (3-4)

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

### Minor: Computer Science

**Note:** Students earning a major in computer science or in industrial mathematics and statistics may not also minor in computer science.

**Computer Science Requirements (18-19 hours)**.

| | | |
|---|---|---|
| CS | 102 | Computer Science Orientation (1) |
| CS | 123 | Computer Science I (4) |
| CS | 220 | Discrete Mathematics for Computer Science (3) |
| CS | 234 | Computer Science II (4) |
| CS | 357 | Data Structures (3) |

One course from upper-division STAT or CS courses, EET 340; STAT 213; IS 343, 435 (3-4 hours).

## Electronics Engineering Technology

The Bachelor of Science degree with a major in electronics engineering technology provides knowledge and experience with electronics technology and applications in computer systems design, electronics systems design, communication circuits design, industrial control and control 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. Program 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 EET courses begin on Page 151.

### Degree: Bachelor of Science (B.S.)
### Major: Electronic Engineering Technology Composite (EET)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **EET Course Requirements (57 hours).**

| | | |
|---|---|---|
| EET | 110/L | Circuit Analysis I (3) |
| EET | 131 | Introduction to Engineering with MATLAB (3) |
| EET | 210/L | Circuit Analysis II (3) |
| EET | 237/L | Semiconductor Devices I (3) |
| EET | 241/L | Logic Circuits (3) |
| EET | 242/L | Sequential Circuits and Applications (3) |
| EET | 302/L | Industrial Electronics (3) |
| EET | 310/L | Linear Systems Analysis (3) |
| EET | 337/L | Semiconductor Devices II (3) |
| EET | 340 | Introduction to Computer Organization/Architecture (3) |
| EET | 342 | Modern Computer Architecture (3) |
| EET | 357/L | Electronic Communications I (3) |
| EET | 402/L | Renewable Energy Technology (3) |
| EET | 437/L | Semiconductor Devices III (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/Microcomputer Interfacing (3) |
| EET | 490 | Capstone (3) |

4. **Required courses in related areas (15 hours).**

| | | |
|---|---|---|
| CS | 123 | Programming Fundamentals (4) |
| MATH | 119 | College Algebra (4) |
| MATH | 120 | Trigonometry (3) |
| MATH | 124 | Calculus I (4) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Minor: Electronics Engineering Technology

**Note:** Students earning a major in electronics engineering technology may not also minor in electronics engineering technology.

**Electronics Engineering Technology Course Requirements (18 hours).**

| | |
|---|---|
| EET | 110/L Circuit Analysis I (3) |
| EET | 210/L Circuit Analysis II (3) |
| EET | 237/L Semiconductor Devices I (3) |
| EET | 241/L Logic Circuits (3) |
| EET | 242/L Sequential Circuits and Applications (3) |
| EET | Upper-division course (3) |

# Department of Physical Sciences

**Professors:** James Constantopoulos
Juchao Yan
**Associate Professors:** William Andersen
James Finley
**Assistant Professors:** William Cooper
Robert Elliott
Elliott Stollar

The Department of Physical Sciences offers the following degrees and majors: B.S. aviation science, B.A.A.S. aviation science, B.S. environmental science, B.S. biochemistry/chemistry – ACS certified, B.S. chemistry (interdisciplinary), minors in chemistry and geology. Courses offered in the department are under the following subject codes: AVS, CHEM, GEOL, PHSC and PHYS.

## Aviation Science

The Bachelor of Science degree with an emphasis in aviation science provides knowledge and experience with aircraft design, aviation law, safety, management and FAA regulations. The program produces individuals prepared to work in a variety of aviation-based industries. Our graduates combine technical proficiency with theory related to aviation science and business. The career opportunities for graduates are expansive and attractive to both men and women. Descriptions for AVS courses begin on Page 135.

### Degree: Bachelor of Science (B.S.)
### Major: Aviation Science

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Aviation Science Technology Course Requirements (33 hours).**

| | | |
|---|---|---|
| AVS | 110 | Introduction to Aviation (3) |
| AVS | 120/L | Theory of Flight (4) |
| AVS | 135/L | Aircraft Construction and Materials (4) |
| AVS | 212 | Aviation Chemistry (3) |
| AVS | 300 | Aviation Law (3) |
| AVS | 301 | Aviation Safety and Human Factors (3) |
| AVS | 302 | Airport Operations (3) **OR** |
| AVS | 303 | FBO Management (3) |
| AVS | 310 | Contemporary Issues in Aviation (3) |
| AVS | 320 | FAA Regulations (3) |
| AVS | 494 | Senior Seminar (4) |

4. **Required courses in other areas (22 hours).**

| | | |
|---|---|---|
| COMM | 202 | Dynamics of Group Communication (3) |
| ECON | 200 | Survey of Economics (3) **OR** |
| ECON | 221 | Principles of Macroeconomics (3) |
| ENG | 305 | Report Writing (3) **OR** |
| ENG | 325 | Professional and Technical Writing (3) |
| IS | 151 | Basic Computer Skills (3) |
| IS | 281 | Spreadsheets and Data Analysis (3) |
| MGT | 313 | Organizational Behavior (3) |
| STAT | 213 | Statistical Methods I (4) |

5. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

**Note:** Students must select sufficient hours from required and elective course offerings to equal 120 hours minimum for graduation. A minimum of 40 hours of upper-division coursework must be taken. No fewer than 30 of the final 60 hours must be taken at ENMU-Portales. Students who do not follow their degree plan as outlined or who do not complete the required courses, as scheduled (including general education courses), will extend their matriculation beyond four years. Students seeking part-time enrollment must see their advisor for an individual program of study.

### Degree: Bachelor of Applied Arts and Science (B.A.A.S.)
### Major: Aviation Science

**Note:** Students may transfer up to a maximum of 64 hours into the Bachelor of Applied Arts and Science degree with a major in aviation science. The acceptance and transfer of coursework will be based on an analysis of each student's transcript.

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.A.A.S. degree requires a minimum of 18 hours of upper-division courses. Developmental courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Technical Emphasis Requirements (30-58 hours).**
   Students may transfer a minimum of 30 and a maximum of 58 hours in their individual technical specialization from a previous program of study. The acceptance and transfer of coursework will be based upon an analysis of each student's transcript. If less than 30 hours are transferred into the applied science program, the remaining coursework necessary to meet the technical emphasis area requirements will be determined by aviation science faculty.
4. **Aviation Science Technology Course Requirements (22 hours).**

| | | |
|---|---|---|
| AVS | 110 | Introduction to Aviation (3) |
| AVS | 300 | Aviation Law (3) |
| AVS | 301 | Aviation Safety and Human Factors (3) |
| AVS | 302 | Airport Operations (3) **OR** |
| AVS | 303 | FBO Management (3) |
| AVS | 310 | Contemporary Issues in Aviation (3) |
| AVS | 320 | FAA Regulations (3) |
| AVS | 494 | Senior Seminar (4) |

5. **Required courses in other areas (22 hours).**

| | | |
|---|---|---|
| COMM | 202 | Dynamics of Group Communication (3) |
| ECON | 200 | Survey of Economics (3) **OR** |
| ECON | 221 | Principles of Macroeconomics (3) |
| ENG | 305 | Report Writing (3) **OR** |
| ENG | 325 | Professional and Technical Writing (3) |
| IS | 151 | Basic Computer Skills (3) |
| IS | 281 | Spreadsheets and Data Analysis (3) |
| MGT | 313 | Organizational Behavior (3) |
| STAT | 213 | Statistical Methods I (4) |

6. **Electives to complete a minimum of 120 hours.**
   **Note:** Students must select sufficient hours from required and elective course offerings to equal 120 hours minimum for graduation. A minimum of 18 hours of upper-division coursework must be taken. No fewer than 30 hours, including 30 of the final 60 hours, must be taken at ENMU-Portales. Students who do not follow their degree plan as outlined or who do not complete the required courses, as scheduled (including general education courses), will extend their matriculation beyond two years. Students seeking part-time enrollment must see their advisor for an individual program of study.

**Note:** This major does not require a minor.

# Chemistry

The chemistry program has approval from the Committee on Professional Training (CPT) of the American Chemical Society (ACS). The program offers a B.S. biochemistry/chemistry (ACS certified) degree (no minor required). The program chair certifies to the ACS that graduates of this program have met ACS recommended guidelines. Graduates are then eligible to receive a certificate from the American Chemical Society documenting this accomplishment. This is a mark of distinction that signifies a rigorous, broad-based preparation for employment in the chemical/molecular sciences and/or preparation or further graduate or professional education.

In addition, the B.S. chemistry – interdisciplinary degree is offered as a more flexible degree plan (not certified by the ACS) that can be used by students desiring a double major (i.e. biology/chemistry, business/chemistry, math/chemistry, agriculture/chemistry, etc.), or with a minor in another field as a more interdisciplinary degree plan to meet more diverse career interests.

Students intending to apply for medical, dental or veterinary school admission may follow either degree plan under the chemistry program (or they can major in biology with appropriate chemistry coursework) – but should obtain advising from chemistry faculty on biology coursework needed to meet their career goals. In addition, taking physics, math and certain chemistry courses can help improve scores on the MCAT/VCAT admissions tests, and these courses need to be completed prior to taking such exams. Other allied health field goals can also be accommodated by either degree plan, and consultation with a chemistry advisor is recommended to plan for specific curriculum needs depending on student goals. Descriptions for CHEM courses begin on Page 140.

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 combined B.S./M.S. plan listed below and in the chemistry section of the Graduate Catalog.

Students in a major with teaching licensure will complete the Teaching Degree General Education requirements as found on Page 53 and the Professional Education Requirements listed on Page 56. For example, a student who plans to be a secondary chemistry teacher may take chemistry – interdisciplinary with the General Education Requirements for teachers on Page 53 and the science licensure requirements on Pages 50-52.

**Chemistry Core Requirements (30 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 | 450/L | Instrumental Analysis (4) |
| CHEM | 492 | Undergraduate Seminar (1) |
| CHEM | 495 | Senior Chemistry Review (1) |

## Degree: Bachelor of Science (B.S.)
## Major: Biochemistry/Chemistry (ACS Certified)

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Chemistry Core Requirements (30 hours).**
4. **Chemistry Course Requirements (15-16 hours).**

| | | |
|---|---|---|
| CHEM | 401/L | Biochemical Methods (2) |
| CHEM | 411/L | Physical Chemistry/Thermodynamics (4) |
| CHEM | 452 | Biochemistry (3) |
| CHEM | 453 | Advanced Biochemistry (3) **OR** |
| CHEM | 412 | Physical Chemistry/ Quantum Mechanics (3) |
| CHEM | 470 | Investigative Problems (3-4) |

5. **Required courses in related areas (28 hours).**

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| BIOL | 155/L | General Biology II: Organismic through Supraorganismic biology (4) |
| MATH | 119 | College Algebra (4) |
| MATH | 124 | Calculus I (4) |
| MATH | 132 | Calculus II (4) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |

6. **Recommended electives to complete a minimum of 120 hours.**

| | | |
|---|---|---|
| BIOL | 222 | Cell Biology (3) |
| BIOL | 304 | Genetics (3) |
| BIOL | 306/L | General Microbiology (4) |

Upper-division CHEM electives.

**Note:** This major does not require a minor.

## Degree: Bachelor of Science (B.S.)
## Major: Chemistry – Interdisciplinary

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Chemistry Core Requirements (30 hours).**
4. **Course Requirements (14-15 hours).**

| | | |
|---|---|---|
| CHEM | 411/L | Physical Chemistry/Thermodynamics (4) |
| CHEM | 452 | Biochemistry (3) |
| MATH | 119 | College Algebra (4) |
| MATH | 124 | Calculus I (4) **OR** |
| MATH | 215 | Survey of Calculus I (3) |

5. **Minor in a different field or a second major.**
6. **Electives to complete a minimum of 120 hours.**

## Degree: Bachelor of Science (B.S.)
## Major: Chemistry
## Licensure: Secondary Science

**Note:** GPA of 3.00 is required in the endorsement area.

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Teacher General Education Requirements (55-58 hours), see Page 53.**
3. **Chemistry Core Requirements (30 hours), see Page 122.**
4. **Chemistry Course Requirements (5-7 hours).**

| | | |
|---|---|---|
| CHEM | 452 | Biochemistry (3) |

**In addition, select one of the following:**

| | | |
|---|---|---|
| CHEM | 401/L | Biochemical Methods (2) |
| CHEM | 411/L | Physical Chemistry/Thermodynamics (4) |
| CHEM | 412 | Physical Chemistry/ Quantum Mechanics (3) |

5. **Required courses in other areas (19 hours).**
   Courses can be taken to fulfill the 12-hour science and 6-hour math General Education Requirements.

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| BIOL | 407 | Teaching Methods in Science (3) |
| GEOL | 151/L | Physical Geology (4) **OR** |
| GEOL | 152/L | Historical Geology (4) |
| MATH | 119 | College Algebra (4) |
| MATH | 124 | Calculus (4) **OR** |
| STAT | 213 | Statistical Methods I (4) |

6. **Professional Education Requirements (39 hours), see Page 56.**
7. **This program requires about 128-132 hours.**

**Note:** This major does not require a minor.

## Minor: Chemistry

**Note:** Students who major in chemistry or biochemistry may not also minor in chemistry.

**Chemistry Course Requirements (8 hours).**

| | | |
|---|---|---|
| CHEM | 151/L | General Chemistry I (4) |
| CHEM | 152/L | General Chemistry II (4) |

**Choose at least one of the following (4 hours):**

| | | |
|---|---|---|
| CHEM | 233/L | Quantative Analysis (4) |
| CHEM | 321/L | Inorganic Chemistry (4) |
| CHEM | 341/L | Organic Chemistry I (4) |

**Plus upper-division chemistry courses to total at least 20 hours:**

| | | |
|---|---|---|
| CHEM | 342/L | Organic Chemistry II (4) |
| CHEM | 401/L | Biochemical Methods (2) |
| CHEM | 407 | Forensic Chemistry (3) |
| CHEM | 411/L | Physical Chemistry/Thermodynamics (3) |
| CHEM | 412 | Physical Chemistry/ Quantum Mechanics (3) |
| CHEM | 442 | Advanced Organic Chemistry (3) |
| CHEM | 450/L | Instrumental Analysis (4) |
| CHEM | 452 | Biochemistry (3) |
| CHEM | 453 | Advanced Biochemistry (3) |
| CHEM | 454 | Geochemistry (3) |

## Subject Matter Endorsement
## Area/Minor: General Science
## Licensure: Elementary and Special Education

**Note:** GPA of 3.00 is required in the endorsement area.

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.

1. **Required Courses (16 hours).**

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) **OR** |
| BIOL | 155/L | General Biology II: Organismic through Supraorganismic Biology (4) |
| CHEM | 151/L | General Chemistry I (4) |
| GEOL | 151/L | Physical Geology (4) |
| PHYS | 151/L | General Physics (4) |

2. **Electives (8 hours).**

| | | |
|---|---|---|
| BIOL | 209/L | Anatomy and Physiology I (4) |
| BIOL | 216/L | General Botany (4) |
| BIOL | 301/L | Entomology (4) |
| GEOL | 123/L | Earth Resources (4) |
| GEOL | 152/L | Historical Geology (4) |
| PHYS | 141/L | Astronomy (4) |

## Bachelor of Science/Master of Science (B.S./M.S.) 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 B.S./M.S. 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.

## Environmental Science

The Bachelor of Science with a major in environmental science is a composite program that draws mainly upon courses from chemistry, geology and biology. The complexities of environmental interactions require a broad background in these sciences. Students in this program will learn how biological, chemical and geological processes interact in the natural world and the effects of human interaction on these processes. The program emphasizes an applied practical approach to studying these interactions and requires a "capstone experience"– the completion of a senior research project under the supervision of a faculty advisor. The results of this research are written as a senior thesis and presented in a seminar setting.

### Degree: Bachelor of Science (B.S.)
### Major: Environmental Science

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Environmental Science Course Requirements (52 hours).**

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| BIOL | 155/L | General Biology II: Organismic through Supraorganismic Biology (4) |
| CHEM | 151/L | General Chemistry I (4) |
| CHEM | 152/L | General Chemistry II (4) |
| GEOL | 123/L | Earth Resources (4) |
| GEOL | 151/L | Physical Geology (4) |
| GEOL | 305/L | Earth Materials (4) |
| GEOL | 311/L | Stratigraphy and Sedimentation (4) **OR** |
| GEOL | 312/L | Structural Geology (4) |
| GEOL | 410 | Environmental Geology (3) |
| GEOL | 454 | Geochemistry (3) |
| GEOL | 465 | Senior Research Project (2) |
| MATH | 119 | College Algebra (4) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |

5. **Additional emphasis courses (21 hours).**

| | | |
|---|---|---|
| ANTH | 410 | Introduction to Geographic Information Systems (3) **OR** |
| BIOL | 460 | Landscape Ecology and GIS (3) |
| BIOL | 303/L | General Ecology (4) |
| BIOL | 417 | Environment, Resources and Policy (3) |
| CHEM | 233/L | Quantitative Analysis (4) |
| MATH | 215 | A Survey of Calculus (3) |
| STAT | 213 | Statistical Methods I (4) |

7. **Electives to complete a minimum of 120 hours.**

**Note:** This major does not require a minor.

## Geology

**NOTE: There are temporarily no admissions to the geology major programs. The following information is applicable to current majors only. Students may only declare the geology minor.**

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 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 53 and science licensure requirements on Pages 50-52. Descriptions for GEOL courses begin on Page 157.

### 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 (B.S.)
### Major: Geology

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Geology Core Requirements (20 hours), see Page 124.**
4. **Geology Course Requirements (16-20 hours).**

| | | |
|---|---|---|
| GEOL | 311/L | Stratigraphy and Sedimentation (4) |
| GEOL | 312/L | Structural Geology (4) |
| GEOL | 454 | Geochemistry (3) |
| GEOL | 465 | Senior Research Project (2) |

   Students must also complete one upper-division (300-/400-level) GEOL course (3-4).
5. **Geology Summer Field Camp (6 hours).**
   An off-campus geology summer field camp 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.

**6. Required courses in other areas (30-33 hours).**

| | | |
|---|---|---|
| CHEM | 151/L | General Chemistry I (4) |
| CHEM | 152/L | General Chemistry II (4) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |
| MATH | 120 | 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) |

**7. Minor in a different field or a second major.**

**8. Electives to complete a minimum of 120 hours.**

## Degree: Bachelor of Science (B.S.)
## Major: Geology
## Licensure: Secondary Science

**Note:** GPA of 3.00 is required in the major.

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. Teacher General Education Requirements (55-58 hours), see Page 53.**

**3. Geology Core Requirements (20 hours), see Page 124.**

**4. Geology Course Requirements (21-24 hours).**

| | | |
|---|---|---|
| GEOL | | Geology Summer Field Camp (8) |
| PHYS | 141/L | Astronomy (4) |

**In addition select one 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) |

Students must also complete 2 upper-division (300-/400-level) GEOL courses (6-8).

**5. Geology Summer Field Camp (6 hours).**
An off-campus geology summer field camp (6 hours minimum), see Page 124 for full explanation.

**6. Required courses in other areas (19 hours).**
Courses can be taken to fulfill the 12-hour science and 6-hour math General Education Requirements.

| | | |
|---|---|---|
| BIOL | 155/L | General Biology II: Organismic through Supraorganismic Biology (4) |
| PHYS | 151/L | General Physics (4) |
| PHYS | 152/L | General Physics (4) |
| MATH | 120 | Trigonometry (3) |
| STAT | 213 | Statistical Methods I (4) |

**7. Professional Education Requirements (39 hours), see Page 56.**

**8. Minor in Teaching Natural Science.**

## Minor: Geology

**Geology Course Requirements (19-20 hours).**

| | | |
|---|---|---|
| GEOL | 123/L | Earth Resources (4) |
| GEOL | 151/L | Physical Geology (4) |
| GEOL | 152/L | Historical Geology (4) |
| GEOL | 305/L | Earth Materials (4) |

Upper-division GEOL elective (3-4)

## Minor: Teaching of Natural Science

**Note:** To be used for secondary science licensure with the geology major (25 hours).

| | | |
|---|---|---|
| BIOL | 154/L | General Biology I: Subcellular through Organismic Biology (4) |
| BIOL | 214/L | Microbiology (4) |
| BIOL | 407 | Teaching in Biology (3) |
| CHEM | 151/L | General Chemistry I (4) |
| CHEM | 152/L | General Chemistry II (4) |
| SED | 402 | Effective Teaching and Learning in Secondary Classrooms (3) |
| SED | 405 | Classroom Management, Discipline and Issues in Secondary Education (3) |

# Physics

Physics is the science of motion. The academic study of physics trains the student to develop and apply analytical models to a wide range of systems. It also helps the student appreciate the rhythms and patterns that connect natural phenomena. Physics is of fundamental importance to current advances in virtually all the sciences. Descriptions of PHYS courses begin on Page 171.

# Department of Psychology and Political Science

**Professors:** Daniel Acheson-Brown
Fred Cordova
Leslie Gill
Reneé Neely
Elizabeth Self
**Associate Professor:** Gary Bond
**Assistant Professor:** Steven Brust

## 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 171.

### Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)

### Major: Political Science

**1. Bachelor's Degree Requirements, see Page 38.**
**Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours), See Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

**2. General Education Requirements (38 hours), see Page 42.**

**3. Political Science Core Requirements (24 hours).**

| | | |
|---|---|---|
| PSCI | 101 | Introduction to Political Science (3) |
| PSCI | 102 | American National Government (3) |
| PSCI | 207 | Introduction to Comparative Politics (3) |
| PSCI | 302 | Constitutional Law (3) |
| PSCI | 304 | International Relations (3) |
| PSCI | 305 | Critical Analysis of Research (3) |
| PSCI | 306 | Contemporary Political Ideologies (3) |
| PSCI | 480 | Politics and Ethics Seminar (3) |

**4. Political Science Subfield Requirements (12 hours). Two courses from each of the following two areas:**

**a. American Government and Public Policy**

| | | |
|---|---|---|
| PSCI | 314 | Legislative Behavior (3) |
| PSCI | 315 | The Presidency (3) |
| PSCI | 321 | Public Policy Process (3) |

**b. Comparative and International Politics**

| | | |
|---|---|---|
| PSCI | 402 | Middle East Politics (3) |
| PSCI | 403 | African Politics (3) |
| PSCI | 473 | Political Economy of Less Developed Countries (3) |

**Note:** For those planning to do graduate work, serious consideration should be given to the study of a foreign language.

**5. Minor in a different field or a second major.**

**6. Electives to complete a minimum of 120 hours.**

### Minor: Political Science

**Note:** Students who earn a B.A. or B.S. with a major in political science may not also minor in political science.

**1. Political Science Core Requirements (12 hours).**

| | | |
|---|---|---|
| PSCI | 101 | Introduction to Political Science (3) |
| PSCI | 102 | American National Government (3) |
| PSCI | 207 | Introduction to Comparative Politics (3) |
| PSCI | 305 | Critical Analysis of Research (3) |

**2. Political Science Subfield Requirements (6 hours). One course (3 hours) from each of the following two areas:**

**a. American Government and Public Policy**

| | | |
|---|---|---|
| PSCI | 302 | Constitutional Law (3) |
| PSCI | 314 | Legislative Behavior (3) |
| PSCI | 315 | The Presidency (3) |
| PSCI | 321 | Public Policy Process (3) |

**b. Comparative and International Politics**

| | | |
|---|---|---|
| PSCI | 304 | International Relations (3) |
| PSCI | 306 | Contemporary Political Ideologies (3) |
| PSCI | 402 | Middle East Politics (3) |
| PSCI | 403 | African Politics (3) |
| PSCI | 473 | Political Economy of Less Developed Countries (3) |

**3. Upper-division elective in Political Science (3 hours).**
Students must complete 3 hours of upper-division (300-/400-level) coursework from any PSCI subfield.

### Minor: Legal Studies

Legal studies is a multi-disciplinary minor that is housed in PSCI and PSCI majors may fulfill it as a second minor, but not as a first (required) minor.

**Course Requirements (22 hours).**

| | | |
|---|---|---|
| ANTH | 125/L | Survey of Forensic Sciences (4) |
| BUS | 230 | Business Law and Ethics I (3) |
| BUS | 317 | Business Law and Ethics II (3) |
| PSCI | 101 | Introduction to Political Science (3) |
| PSCI | 102 | American National Government (3) |
| PSCI | 302 | Constitutional Law (3) |
| PSCI | 307 | Law and Morality (3) |

**Note:** PSCI majors may only use the legal studies minor as a second minor.

### Suggested Program for Bachelor of Science (B.S.) in Political Science

Below is a suggested sequence of courses for the major listed. **This is not an official degree plan**. For specific information, see advisor. **Note:** Some required courses may be offered only on Saturdays or evenings.

| **Freshman Year** | | | **Fall** | **Spr.** |
|---|---|---|---|---|
| PSCI | 101 | Introduction to Political Science | 3 or | 3 |
| PSCI | 102 | American National Government | 3 or | 3 |
| | | General Education | 9-15 | 9-15 |
| | | **Total credit hours** | **15** | **15** |
| | | | | |
| **Sophomore Year** | | | **Fall** | **Spr.** |
| PSCI/ PSY | 312 | PSY of Global Political Behavior | 3 or | 3 |
| PSCI | 207 | Introduction to Comparative Politics | | 3 Odd S |
| PSCI | | American Government and Public Policy option as offered | 3 | |
| PSCI | 302 | Constitutional Law | 3 Even F | |
| | | General Education (beginning work on minor is encouraged) | 6-9 | 9-12 |
| | | **Total credit hours** | **15** | **15** |
| | | | | |
| **Junior Year** | | | **Fall** | **Spr.** |
| PSCI | 304 | International Relations | | 3 Even S |
| PSCI | 305 | Critical Analysis of Research | | 3 |
| PSCI | | American Government and Public Policy option as offered | 3 | |
| PSCI | | Comparative and International Relations option as offered | 3 | |
| | | General Education, minor, other electives | 9 | 9 |
| | | **Total credit hours** | **15** | **15** |
| | | | | |
| **Senior Year** | | | **Fall** | **Spr.** |
| PSCI | 306 | Contemporary Political Ideologies | | 3 Odd S |
| PSCI | 480 | Senior Seminar | | 3 Odd S |
| PSCI | | Comparative and International Relations option as offered | 3 | |
| | | Minor, other electives | 12 | 9 |
| | | **Total credit hours** | **15** | **15** |

## Psychology

Psychology offers the Associate of Arts, the Bachelor of Science and the Bachelor of Arts degree in psychology. The psychology faculty are committed to a teaching philosophy that encourages understanding and appreciation of the scientific study of individuals, their unique array of talents and skills, and their cultural heritage. In addition, the faculty are committed to prepare students to compete in a diverse 21st century world, to advise students of the wide array of possible career fields available to persons who attain a psychology degree, and to prepare students for careers and advanced graduate study.

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 172.

### Degree: Associate of Arts (A.A.)
### Major: Psychology

1. **Associate Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Associate Degree General Education Requirements (35 hours), see Page 41.**
3. **Psychology Course Requirements (21 hours).**
   PSY 101 Introductory Psychology (3)
   PSY 201 Child Psychology (3)
   PSY 202 Adolescent Psychology (3)
   Students must also complete 12 hours of PSY electives.
4. **Electives to complete a minimum of 64 hours.**

### Degree: Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)
### Major: Psychology

1. **Bachelor's Degree Requirements, see Page 38.**
   **Note:** Students must successfully complete UNIV 101. B.A. candidates must satisfy the language requirement (6-14 hours). See Page 38. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **General Education Requirements (38 hours), see Page 42.**
3. **Psychology Course Requirements (42 hours).**
   PSY 101 Introductory Psychology (3)
   PSY 207 Writing in Psychology (2)
   PSY 324 Social Psychology (3)
   PSY 337 Experimental Psychology I (3)
   PSY 338 Experimental Psychology II (3)
   PSY 402 Abnormal Psychology (3)
   PSY 467 Physiological Psychology (4)
   PSY 484 Senior Seminar (2)
   **Developmental Foundations–Choose one of the following four:**
   PSY 200 Human Growth and Development (3)
   PSY 201 Child Psychology (3)
   PSY 202 Adolescent Psychology (3)
   PSY 300 Psychology of Adult Development (3)
   **Theoretical Foundations–Choose one of the following two:**
   PSY 411 Theories of Personality (3)
   PSY 443 Theories of Psychological Counseling (3)

**Learning/Cognitive Foundations–Choose one of the following two:**

| | | |
|---|---|---|
| PSY | 302 | Learning (3) |
| PSY | 435 | Cognition (3) |

**Diversity Foundations–Choose one of the following three:**

| | | |
|---|---|---|
| PSY/PSCI | 312 | Psychology of Global Political Behavior (3) |
| PSY | 421 | Cross Cultural Psychology (3) |
| PSY | 445 | Multicultural Counseling (3) |

**Upper-division Electives in Psychology (3 hours).**
Students must complete 3 hours of PSY electives, which must be upper-division (300-/400-level).
Students may not double-count a course taken to fulfill a psychology requirement and have that same course also count to fulfill the psychology elective.

4. **Required courses in other areas (4 hours).**
   STAT 213 Statistical Methods I (4)
   **Note:** A grade of "C" or higher is required in STAT 213 as the prerequisite for PSY 337.
5. **Minor in a different field or a second major.**
6. **Electives to complete a minimum of 120 hours.**

## Minor: Psychology

**Note:** Students who earn a major in psychology may not also minor in psychology.

**Psychology Requirements (15 hours).**

| | | |
|---|---|---|
| PSY | 101 | Introductory Psychology (3) |

**Developmental–Choose one of the following four:**

| | | |
|---|---|---|
| PSY | 200 | Human Growth and Development (3) |
| PSY | 201 | Child Psychology (3) |
| PSY | 202 | Adolescent Psychology (3) |
| PSY | 300 | Psychology of Adult Development (3) |

**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 | 302 | Learning (3) |
| PSY | 435 | Cognition (3) |

**Social/Abnormal Foundations–Choose one of the following two:**

| | | |
|---|---|---|
| PSY | 324 | Social Psychology (3) |
| PSY | 402 | Abnormal Psychology (3) |

**Required courses in other areas (3 hours):**

| | | |
|---|---|---|
| PSCI | 305 | Critical Analysis of Research (3) |

## Suggested Program for Bachelor of Science (B.S.) 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. **Note:** Some required courses may be offered only on Saturdays or evenings.

| **Freshman Year** | | | **Fall** | **Spr.** |
|---|---|---|---|---|
| PSY | 101 | Introductory Psychology | 3 or | 3 |
| PSY | 207 | Writing in Psychology | 2 or | 2 |
| | | Math General Education by placement (note: major requires STAT 213) | 3-4 and/ or | 3-4 |
| | | General Education | 6-15 | 6-15 |
| | | **Total credit hours** | **15** | **15** |
| **Sophomore Year** | | | **Fall** | **Spr.** |
| PSY<br>PSY<br>PSY<br>PSY | 200<br>201<br>202<br>300 | Development Area (1 of 4):<br>Human Growth and Development **OR**<br>Child Psychology **OR**<br>Adolescent Psychology **OR**<br>Psychology of Adult Development | 3 or | 3 |
| PSY | 337 | Experimental Psychology I | 3 | |
| PSY | 338 | Experimental Psychology II | | 3 |
| PSY | 324 | Social Psychology | 3 or | 3 |
| | | General Education (beginning work on minor is encouraged) | 6-12 | 6-12 |
| | | **Total credit hours** | **15** | **15** |
| **Junior Year** | | | **Fall** | **Spr.** |
| PSY | 402 | Abnormal Psychology | 3 or | 3 |
| PSY/ PSCI<br><br>PSY<br>PSY | 312<br><br>421<br>445 | PSY Diversity Area (1 of 3)<br><br>Psychology of Global Political Behavior<br>Cross Cultural Psychology **OR**<br>Multicultural Counseling | 3 or | 3 |
| | | Psychology UD elective | 3 | 3 |
| PSY<br>PSY | 302<br>435 | Learning/Cognitive Area (1 of 2)<br>Learning **OR**<br>Cognition | 3 or | 3 |
| | | General Education, minor, other electives | 3-9 | 3-9 |
| | | **Total credit hours** | **15** | **15** |
| **Senior Year** | | | **Fall** | **Spr.** |
| PSY<br>PSY | 411<br>443 | PSY Theories Area (1 of 2)<br>Theories of Personality **OR**<br>Theories of Counseling | 3 or | 3 |
| PSY | 467 | Physiological Psychology | 4 or | 4 |
| PSY | 484 | Senior Seminar | 2 or | 2 |
| | | General Education, minor, other electives | 6-12 | 6-13 |
| | | **Total credit hours** | **15** | **15** |

# 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 148.

Within the course descriptions which follow are the abbreviations indicating semesters the course is generally offered. Departments may deviate from these occasionally. For specific scheduling refer to the current Class Schedule. (F) = Fall, (Even F) = Even Years Fall, (Odd F) = Odd Years Fall, (S) = Spring, (Even S) = Even Years Spring, (Odd S) = Odd Years Spring, (Su) = Summer, (TBA) = To Be Announced

## Accounting (ACCT)

**ACCT 201 Introduction to Financial Accounting (3) (NMCCNS ACCT 2113).** Fundamental accounting principles and concepts; procedures in data accumulation, presentation and preparation of financial statements; types of business entities and financing business entities. Prerequisite: MATH 119 is recommended but not required. (F, S)

**ACCT 202 Introduction to Managerial Accounting (3) (NMCCNS ACCT 2123).** An introductory course 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: ACCT 201; MATH 119 or 124 or 132 or 202 with a grade of "C" or higher. (F, S)

**ACCT 293 Topics in Accounting (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisites: ACCT 201, 202. (TBA)

**ACCT 305 Intermediate Accounting I (3) (NMCCNS ACCT 2133).** Accounting for inventories, property, depreciation and intangible assets. Prerequisites: ACCT 201, 202. (F, S)

**ACCT 306 Intermediate Accounting II (3).** Accounting for bonds, corporate capital, earnings per share and statement of cash flows. Prerequisite: ACCT 305. (F, S)

**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 201, 202; STAT 213. (S)

**ACCT 342 Governmental and Not-For-Profit Accounting (3).** Fundamental principles account classifications, financial statement preparation, and requirements of accounting relating to governmental-type entities and not-for-profit entities. Prerequisite: ACCT 305. (F)

**ACCT 371 Income Tax Accounting: Individual (3).** Federal income tax laws and regulations and related accounting problems; preparation of returns for individuals. Prerequisites: ACCT 201, 202. (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 201, 202. (F)

**ACCT 401 Advanced Accounting (3).** Accounting for mergers, acquisitions, preparation of consolidated financial statements, accounting for partnerships, estates and trusts. Prerequisite: ACCT 306. (TBA)

**ACCT 403 Forensic Accounting (3).** The application of investigative, litigate and analytical skills for the purpose of resolving financial issues in a manner that meets standards required by courts of law. Fraud examinations, services to value business and divorce assets, calculations of lost profits and damages to business property will be studied. Prerequisites: ACCT 201, 202. (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. Prerequisite: ACCT 305. (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. Prerequisite: ACCT 306. (S)

**ACCT 430 International Accounting (3).** Examination of international standards and practices that have resulted from differing economic, social, political and legal environments. Prerequisite: ACCT 305. (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 489 Internship (1-3).** For each credit hour, the student must complete a minimum of 50 work hours of on-the-job experience related to the discipline. Grading is satisfactory/unsatisfactory. Check with the internship coordinator for specific requirements. Prerequisite: ACCT 305 and instructor, academic advisor and dean approval. (F, S, Su)

**ACCT 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: ACCT 306; instructor, academic advisor and dean approval. (F, S, Su)

**ACCT 493 Topics in Accounting (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: ACCT 306. (TBA)

## Agriculture (AG)

**AG 101 Animal Science (3).** Livestock and meat industry; problems of feeding management; and 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. (S)

**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: instructor approval. (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: instructor approval. (S)

**AG 202 Introduction to Agricultural Education (3).** 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. (F)

**AG 203 Crop Science (3).** Introduction to the major food, feed fiber and specialty crops grown in New Mexico and the U.S. Emphasis on biology, physiology, genetics, culture and management. (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; basic principles governing processes which occur in soils. (F)

**AG 210 Varsity Rodeo (1).** Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: instructor approval. (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: instructor approval. (S)

**AG 221 Principles of Horticulture (3).** Identification, adaptation, propagation and maintenance of turfgrass, fruit, vegetable, nut, flowering and ornamental plants. (TBA)

**AG 231 Metal Fabrication (3).** Instruction and skill development in various welding techniques, hot and cold metal work and oxy-acetylene cutting and welding. (TBA)

**AG 250 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 or 102. (F)

**AG 252 Fundamentals of Agricultural Economics (3).** Fundamental economic principles and their application to problems and issues in the food, fiber and natural resource sectors of the economy. (F)

**AG 260 Genetics in Animal Science (3).** Fundamental principles of reproduction, variation and heredity in animals. (F)

**AG 268 Workshop in Agriculture (1-3).** As announced. (May be repeated for a maximum of four hours if topics are different.)

**AG 275 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.

**AG 280 Agricultural Power and Machinery (3).** Advanced studies in mechanization skills for agricultural occupations. Agricultural engines and theory; hydraulics and farm equipment mechanics and maintenance.

**AG 293 Topics in Agriculture (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**AG 300 Artificial Insemination (3).** Proper semen handling, semen storage and breeding technique. (F)

**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, 204. (TBA)

**AG 310 Varsity Rodeo (1).** Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: instructor approval. (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. Prerequisites: general education math completed and AG 252. (F)

**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; IS 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: instructor approval. (S)

**AG 315 Advanced Metal Fabrication (3).** Advanced instruction and skill in various welding techniques, hot and cold metal work and oxy-acetylene cutting and welding. Prerequisite: AG 231. (Odd S)

**AG 320 Horse Production and Management (3).** The equine industry including breeds, anatomy, feeding, nutrition and health management. Labs involve hands-on experience with breaking a colt at the University Arena. Prerequisite: AG 101. (S)

**AG 325 Animal Physiology (3).** An introduction to the anatomy and physiological function of domesticated livestock species. Gross anatomy and physiological function of major systems including the skeletal, muscular, cardiovascular, respiratory and digestive systems. Prerequisite: AG 101. (S)

**AG 331 Forage Crops and Pastures (3).** Identification of the varieties, cultures, adaptation and management of plants useful for forage, hay and pasture. Prerequisite: AG 203. (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. Prerequisite: AG 252. (S)

**AG 348 Swine Production (3).** The swine industry including breeds, nutrition, management and other issues related to large scale pig production. Prerequisite: AG 101. (Odd F)

**AG 349 Small Ruminant Production (3).** Sheep and goat production including breeds, management, nutrition, reproduction, and meat or wool production. Prerequisite: AG 101. (Odd F)

**AG 350 Advanced Dairy Production (3).** Management and operation in the dairy industry including management, personnel management, nutrition, lactation, heifer development and herd health. Prerequisite: AG 102. (Even F)

**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. (Even S)

**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. (S)

**AG 400 Philosophy and Methods of Career Development Events (3).** Focuses on the roles that career development events play in agricultural education and career preparation. Topics include competition and cooperation, ethics, effective use of community resources, field based experiences and employability skills. Students will assist with the coordination of various career development events. (S)

**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. Prerequisite: AG 252. (F)

**AG 405 Advanced Range Management (3).** Ecological, economical and management factors that preserve and utilize this natural resource. Prerequisite: AG 331.

**AG 410 Varsity Rodeo (1).** Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: instructor approval. (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: instructor approval. (S)

**AG 413 Experimental Design and Statistical Analysis in Animal Science (3).** Techniques for describing and analyzing data, estimation, correlations, hypothesis testing and analysis of variance. (Even S)

**AG 415 Advanced Horticulture (3).** Applies cutting-edge technology, hydroponics, plant genetics and greenhouse management. Prerequisite: AG 221.

**AG 421 Advanced Feeding and Nutrition (3).** Feeding and nutrition; topics include ration formulation, physiology and metabolism. Prerequisite: AG 250. (Odd S)

**AG 433 Veterinary Science (3).** Clinical diagnosis and treatment of animal disease. Topics include disease transmission, infectious, zoogenic, genetic, costs of production, sub- and acute therapies. Prerequisite: AG 325. (Odd S)

**AG 450 Reproductive Physiology (3).** Anatomy and physiology of reproductive systems. Includes endocrinology organs, hormones, cycles, breeding management and manipulation of reproduction. Prerequisites: BIOL 155/L, AG 325. (Even S)

**AG 468 Workshop in Agriculture (1-3).** As announced. (May be repeated for a maximum of four hours if topics are different.)

**AG 480 Methods of Teaching Agriculture (3).** 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. Prerequisite: six hours completed in a teacher education program. (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 six credits with instructor approval.) (F, S, Su)

**AG 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.)

**AG 493 Topics in Agriculture (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**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 instructor approval. (S)

## American Language and Culture (ALC)

**ALC 102 Foundations of English I (3).** Instruction and practice in the use of beginner to intermediate-level English structures, including verb tenses, parts of speech and basic sentence structure. Develops competency of vocabulary and idioms in academic and social settings through American cultural topics. Course limited to non-native English speakers. Instructor approval required.

**ALC 104 Foundations of English II (3).** Continuation of ALC 102. Instruction and practice in the use of intermediate and advanced-level English structures, including verb tenses, parts of speech and basic sentence structure. Further development of competency of vocabulary and idioms in academic and social settings through American cultural topics. Course limited to non-native English speakers. Instructor approval required.

**ALC 202 English Conversation I (3).** Focuses primarily on perfecting the vocabulary and fluency necessary to execute English speech acts that are basic to everyday conversation. Also touches on intonation, emphasis and reductions. Course limited to non-native English speakers. Instructor approval required.

**ALC 204 English Conversation II (3).** Focuses on comprehensible articulation of vowels and consonants as well as the rhythm, stress and intonation of North American English speech. Activities will include speech/sound analysis, dialogue generation, role-play, simulation and ethnographic assignments. Course limited to non-native English speakers. Instructor approval required.

**ALC 210 English for Academic Purposes I (3).** Study of language and cultural skills required for success in U.S. higher education, including academic writing, academic reading and vocabulary development, listening comprehension and note-taking, classroom discussion strategies and presentation skills. Course limited to non-native English speakers. Instructor approval required.

**ALC 212 English for Academic Purposes II (3).** Continuation of ALC 210. Further development of language and cultural skills required for success in U.S. higher education, including academic writing, academic reading and vocabulary development, listening comprehension and note-taking, classroom discussion strategies and presentation skills. Course limited to non-native English speakers. Prerequisite: Grade of "B" or higher in ALC 210. Instructor approval required.

**ALC 290 TOEFL Preparation (3).** Emphasis placed on listening comprehension, grammar and reading comprehension. Designed to develop specific areas of English and test taking skills, including the TOEFL exam. Course limited to non-native English speakers. Instructor approval required.

**ALC 293 Topics in American Language and Culture (1-3).** As announced. (May be repeated for credit.) Instructor approval required.

## Anthropology (ANTH)

**ANTH/GEOG 103 Humans and Their Environments (3) (NMCCNS ANTH 1113).** The relationship between natural environment and human activities. A basic introduction to geography. (F, S)

**ANTH 105 Introduction to Anthropology (3).** An introduction to anthropology incorporating each of the four fields of this holistic study of humankind: archaeology, linguistics, biological and sociocultural. (F,S)

**ANTH/BIOL/CHEM 125 Survey of Forensic Science (3).** Introduction to the principles and analytical techniques of forensic science. (F, S)

**ANTH/BIOL/CHEM 125L Survey of Forensic Science Laboratory (1).** A hands-on laboratory class providing a general introduction to forensic science. An overview of the three specialized branches of forensic anthropology, forensic biology and forensic chemistry. Students will learn the methods used to collect, identify and document evidence as well as analytical lab techniques. Concurrent enrollment with ANTH/BIOL/CHEM 125. (F, S)

**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. (F)

**ANTH 243 Introduction to Cultural Anthropology (3) (NMCCNS ANTH 2113).** 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) (NMCCNS ANTH 2213).** Contemporary goals, theories, techniques and methods in archaeology: draws examples from prehistory and emphasizes reconstructing past human behavior. Concurrent enrollment: ANTH 245L. (F, S)

**ANTH 245L Introduction to Archaeology Laboratory (1) (NMCCNS ANTH 2211).** Laboratory provides hands-on experience in survey and excavation methods and in the analysis of archaeological specimens. Concurrent enrollment: ANTH 245. (F, S)

**ANTH 247 Biological Anthropology (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. (S)

**ANTH 247L Biological Anthropology Laboratory (1).** Laboratory provides hands-on experience in various aspects of physical anthropology including skeletal analysis, population genetics, and observation and recording of primate behavior. Concurrent enrollment: ANTH 247. (S)

**ANTH/CJ 255 Forensic Anthropology (3).** A specialized field of study in forensic science focusing on the skeleton in a legal context. Covers how forensic anthropology functions within criminal investigation including location, recovery, documentation and analysis of bones to decipher individualizing characteristics and identification and interpretation of damage or trauma. Includes the application of techniques to criminal investigation and development of a comprehensive understanding of anthropology in a medicolegal context. (F)

**ANTH 268 Workshop in Anthropology (1-3).** As announced. (May be repeated for a maximum of six hours.)

**ANTH 293 Topics in Anthropology (1-3).** As announced. (May be repeated for credit if topics are different.)

**ANTH/ENG/SPAN 303 Storytelling at the Crossroads: Latin American Literature and Science (3).** This interdisciplinary course examines the production of knowledge in the border zone between literature and social sciences, through a regional and cultural focus on Latin America. Experimental texts are examined including those that blur the following genres: novels, mysteries, science fiction, ethnography, autobiography, music and life history. Fulfills General Education Global/ Diversity Requirement. (Odd S)

**ANTH 310 Origins of Human Diversity (3).** 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. Fulfills General Education Global/Diversity Requirement. (F,S)

**ANTH 320 Lithic Artifact Analysis (3).** Basics of stone tool technology and its use to answer questions about human behavior in the past. (Even S)

**ANTH 333 Anthropology and the Developing World (3).** An anthropological perspective of modern, global development, critically exploring its promises and discontents. Fulfills general education global/diversity requirement. (S)

**ANTH 340 Native Cultures of North America (3).** Native North American cultures are discussed in historic and contemporary contexts in terms of their diverse approaches to subsistence, sociopolitical organization and spirituality. Serves as a starting point for discussions of diversity issues in the wider society. Fulfills general education global/diversity requirement. (S)

**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 243 or SOC 101. (Odd F)

**ANTH 365 North American Prehistory (3).** Prehistory of the North American continent from earliest evidence of human occupation of the New World until European contact. Prerequisites: ANTH 245/L. (Even F)

**ANTH 404 Human Osteology (3).** The identification of bones of the human skeleton and their location to determine which side of the body a bone (or bone fragment) is from, develop knowledge of bone biology and understand the ethics of working with human remains. Proper techniques for excavating burials, bone growth and development, and the importance of skeletal data in archaeological analyses also are covered. (Even F)

**ANTH 410 Introduction to Geographic Information Systems (3).** Introduces students to the theory and techniques of GIS including data capture and generation, management and analysis of spatial data, terrain modeling and cartographic output of spatial data. Emphasizes both GIS concepts and program operation. (Even F)

**ANTH 411 Skeletal Analysis (2).** Application of analytical methods used in Human Osteology to establish the biological profile (ancestry, sex, age and stature), as well as the analysis of immature remains, taphonomic analysis and interpretation, and the human dentition. Prerequisite: ANTH 404. Concurrent enrollment: ANTH 411L. (Odd S)

**ANTH 411L Skeletal Analysis Laboratory (1).** A hands-on laboratory class in the identification and analysis of human skeletal remains. Concurrent enrollment: ANTH 411. (Odd S)

**ANTH 413 Hunter-Gatherer Archaeology of the American West (3).** Review of theoretical perspectives on prehistoric hunter-gatherers and survey of the Paleoindian and Archaic archaeological record of the western United States. (Odd S)

**ANTH 414 Ceramic Analysis (3).** An introduction to the anthropologically significant questions that can be addressed by examining pottery, as well as the methods used by archaeologists to study ceramics including chronology, production, distribution, consumption and discard. (Odd F)

**ANTH 415 Ethnographic Methods (3).** Introduction to ethnographic methods of anthropology emphasizing the connection between theory, research and practice. Students will critically analyze research design and ethics (including the internal review process) specific to ethnographic research as well as practice ethnographic data collection and analysis. (Odd F)

**ANTH 416 Applied Microscopy (2).** Study of microscopes commonly utilized in forensic laboratories with an emphasis on the polarized light microscope. Course explores optical theory and techniques for the identification and analysis of trace evidence. Prerequisites: ANTH/BIOL/CHEM 125/L; CHEM 152/L. (Even S)

**ANTH 416L Applied Microscopy Laboratory (1).** Use of polarized light microscopes to identify and analyze commonly encountered trace evidence such as fibers, hairs and glass. Concurrent enrollment with ANTH 416 (Even S)

**ANTH 418 Faunal Analysis (3).** Hands-on identification and analysis of animal bones versus human bones, with a focus on archaeological and forensic applications. (Odd F)

**ANTH 432 Native Americans 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 243. (Even S)

**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/L. (Even F)

**ANTH 461 Prehistory of the Southwest (3).** Southwest prehistory from the initial colonization until early European contact. Prerequisites: ANTH 245/L. (F)

**ANTH 468 Workshop in Anthropology (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**ANTH/BIOL/CHEM/GEOL 475 (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.

**ANTH 482 Field Session (4).** Supervised field research in ethnology, archaeology, physical anthropology or Paleo environmental studies. This course is graded as S/U. Concurrent enrollment in ANTH 482L. Prerequisites: instructor approval; ANTH 245/L. (TBA Su)

**ANTH 482L Field Session Laboratory (2).** This course is graded as S/U. (Does not count towards anthropology major.) Concurrent enrollment in ANTH 482. Prerequisites: instructor approval; ANTH 245/L. (TBA Su)

**ANTH 489 Internship (1-4).** Practical experience working in an appropriate area of anthropology or forensic science with a cooperating external agency. Prerequisite: departmental and agency approval.

**ANTH 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) (TBA)

**ANTH 492 Anthropological Perspectives (3).** The development and role of anthropology within humanities and the social sciences. Prerequisites: ANTH 243, 245/L, 247/L. (Even S)

**ANTH 493 Topics in Anthropology (1-3).** As announced. (May be repeated for credit if topics are different.) Prerequisite: instructor approval.

**ANTH 494 Analytic Techniques in Archaeology (3).** Laboratory and analytic procedures in material cultural analysis. Introduces upper-division anthropology students to the analysis of archaeological remains with sections on lithics, ceramics, bone and curation. Prerequisites: ANTH 243, 245/L, 247/L. (Even S)

**ANTH 495 Fundamentals of Archaeological Theory (3).** Seminar tracing the development of archaeological theoretical frameworks from the 1500's to the present, with an emphasis on contemporary theory. A capstone course for senior anthropology majors. Prerequisites: ANTH 243, 245/L, 247/L. (Odd F)

**ANTH 499 Senior Research Paper (3).** Production of a research paper of publishable quality. Prerequisite: instructor approval.

## Art (ART)

**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. (Lab fee required) (F, S)

**ART 131 Art Appreciation (3) (NMCCNS ARTS 1113).** 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. General education course open to non-art majors. (F, S, Su)

**ART 135 Design I (3).** An introduction to the basics of 2-D design, compositional development and color theory. Emphasis will be placed upon building an understanding of the visual vocabulary, compositional principles, and color theory and use. (Lab fee required) (F)

**ART 136 Design II (3).** An exploration of the visual elements and principles of 3-D design through classroom application and experimentation. (Lab fee required) (S)

**ART 137 Drawing II (3).** Continuation of study and development of drawing skills. (Lab fee required) Prerequisite: ART 101. (S)

**ART 142 Digital Media I (3).** A basic introduction to digital media and design. Emphasis upon standard industry graphics software. (Lab fee required) (F)

**ART 143 Digital Media II (3).** Further exploration of digital media and design. (Lab fee required) (S)

**ART 165 Art History I (3) (NMCCNS ARTS 2113).** Survey of the major visual arts from prehistory through the 15th century. (F)

**ART 166 Art History II (3) (NMCCNS ARTS 2123).** Survey of the major visual arts from the 16th century into the 21st century. (S)

**ART 210 Photography (3).** Traditional silver photography with an introduction to digital imaging, with an emphasis on camera, darkroom and digital retouching techniques. A manual 35mm film camera with adjustable lens is required for this course. (Lab fee required) (F, S, Su)

**ART 212 Graphic Design I (3).** Introduction to the basic principles of graphic design and typography. Includes examination of the use of space, balance, unity and visual hierarchy. (Lab fee required) Prerequisites: ART 142, 143. (F)

**ART 213 Graphic Design II (3).** Continuation of the principles and theory of graphic design. Includes digital media and page layout. (Lab fee required) Prerequisite: ART 212. (S)

**ART 221 Painting I (3).** Introduction to painting techniques, concepts, problem solving, originality and historical contexts. Prerequisites: ART 101, 135. (S)

**ART 222 Painting II (3).** Continuing exploration of painting techniques, concepts, problem solving, originality and historical contexts. Prerequisite: ART 221. (S)

**ART 231 Ceramics (3).** Introduction to basic clay forming techniques including pinch, coil, slab, wheel throwing and glaze application. (Lab fee required) (F, S, Su)

**ART 241 Sculpture (3).** Art class exploring basic visual elements and principles of design using 3-D materials. Through a series of projects students explore the 3-D fabrication process including woodworking, welding and casting. Prerequisite: ART 136. (F)

**ART 268 Workshop in Art (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**ART 271 Jewelry (3).** An exploration of techniques of jewelry making based on historical and contemporary methods of fabrication. Emphasis on development of individual technical skills and craftsmanship. (Lab fee required) (F, S, Su)

**ART 293 Topics in Art (1-3).** As announced. (May be repeated for six credit hours if topics are different.) (Lab fee required) (TBA)

**ART 304 History of Graphic Design (3).** Examination of the history and development of graphic design from the Industrial Revolution through the 21st century. Prerequisites: ART 165, 166. (S)

**ART 305 Non-Western Art History (3).** An examination of the history and development of Non-Western visual art. Fulfills general education global/diversity requirement. Prerequisite: ENG 104. (TBA)

**ART 306 Watercolor Illustration (3).** Introduction to watercolor techniques through illustration. Media focus will be watercolor. May be repeated for a maximum of nine credits. Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisites: ART 101, 135. (S)

**ART 307 Typography (3).** Examination of advanced typographic design. Study of letterforms, history, layout design and digital technology. Prerequisite: ART 212. (S)

**ART 312 Drawing Projects (3).** Continuation of study and development of drawing skills. Students are required to generate their own projects and develop a personal viewpoint. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 137. (F)

**ART 314 Photography Projects (3).** Continuation of study and development of photo skills. Students are required to generate their own projects and develop a personal viewpoint. (May be repeated for a maximum nine credit hours.) Repeating the course increases difficulty and may change the emphasis. Digital SLR required. (Lab fee required) Prerequisite: ART 210. (S, Su)

**ART 316 Ceramics Projects (3).** Advanced ceramic course exploring the basics of hand-building, wheel throwing, form and function principles, clay making, glaze making, color and surface treatment. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 231. (S, Su)

**ART 318 Jewelry Projects (3).** Advanced techniques of art metalworking and jewelry making, which may include casting, bronze, blacksmithing, cast iron, lamp work and glass. (May be repeated for a maximum nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 271. (Even S, Su)

**ART 324 Figure Drawing I (3).** Study and development of drawing the human form, working primarily from life models. Prerequisite: ART 137. (F)

**ART 325 Figure Drawing II (3).** Continued study and development of drawing the human form, working primarily from life models. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. Prerequisite: ART 324. (S)

**ART 326 Web Design I (3).** Introduction to web design. Topics include aesthetics and navigation, social networking and design for mobile devices. Prerequisite: ART 142. (F)

**ART 327 Web Design II (3).** Further examination and exploration of the topics introduced in ART 326. (May be repeated for a maximum of six credit hours.) Repeating the course increases difficulty and may change the emphasis. Prerequisite: ART 326. (S)

**ART 328 Digital Editing (3).** Exploration of digital imaging and editing. Prerequisite: ART 142. (F)

**ART 329 Motion Graphics I (3).** A foundation course exploring both technical and conceptual processes of motion graphics for television and video, using primarily Adobe After Effects. Course investigates observation, timing, storyboarding, layout, composition, image compositing and sound production for motion graphics. In addition, the choreography of 2-D visual elements is discussed to enhance artistic expression and conceptual impact. Prerequisites: ART 142, 143. (F)

**ART 330 Motion Graphics II (3).** Focuses on advanced editing and compositing techniques using a combination of software including After Effects, Premiere and other software applications. Prerequisites: ART 142, 143, 329. (S)

**ART 340 Publication Design (3).** Further exploration of graphic design covering catalog, magazine, and book design and production. May be repeated for a maximum of six credit hours. Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 143. (F)

**ART 364 Modern and Postmodern Art (3).** An examination of the history and development of visual art in the 20th and the 21st centuries. Prerequisites: ART 165, 166. (TBA)

**ART 367 History of Design (3).** Examination of the history and development of design from pre-history through the 21st century. Prerequisites: ART 165, 166. (F)

**ART 370 History of Dress and Décor (3).** An overview of major historical fashion and architectural movements with special emphasis on their application to theatrical and cinematic productions. (Even S)

**ART 406 Digital Illustration (3).** Exploration of digital illustration and painting techniques. Areas include editorial, advertising, publishing illustration and graphics for the Web. May be repeated for a maximum of six credit hours. Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 142. (Odd F)

**ART 407 Sequential Illustration (3).** Exploration of sequential art and storytelling, as well as the history of comic art and leading creators. Assignments focus on comic strips, comic books, graphic novels and storyboarding for film. (May be repeated for a maximum of six credit hours.) Repeating the course increases difficulty and may change the emphasis. Prerequisite: ART 101 or 142. (Even F)

**ART 414 Studio Photography (3).** Exploration of techniques for setting up and lighting commercial assignments and artwork for presentation in portfolios and on the web. Prerequisite: ART 142 or 210. (Even F)

**ART 417 Painting Projects (3).** Students are required to generate their own projects and to develop a personal viewpoint. May be repeated for a maximum of nine credit hours. Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 222. (Odd S)

**ART 419 Graphic Design Projects (3).** An introduction to the conceptual development and prototyping of package design, environmental design, design for mobile devices and branding. Course explores the use of materials, type, image and layout. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 213. (S)

**ART 423 Sculpture Projects (3).** A further exploration of 3-D art and art materials incorporating advanced design and material usage. May include 3-D fabrication processes such as woodworking, welding, plaster, concrete, glass and casting. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ART 241. (Odd S)

**ART 452 3D Motion Graphics and Animation (3).** Further exploration of advanced motion graphics and 3-D animation software packages. (May be repeated for a maximum of six credit hours.) Repeating the course increases difficulty and may change the emphasis. Prerequisite: ART 330. (Odd F)

**ART 468 Workshop in Art (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**ART 482 Senior Portfolio Design (3).** Focus on the creation of traditional and digital portfolios. Topics include strategies for self-promotion and presentation skills. (Lab fee required) Prerequisites: Capstone course, senior level status, instructor approval. (F)

**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, instructor approval.

**ART 491 Directed Study (1-6).** Independent study. (May be repeated for a maximum of six hours.) Prerequisite: instructor approval.

**ART 493 Topics in Art (1-3).** As announced. (May be repeated for credit if topics are different.) (Lab fee required) (TBA)

## Aviation Science (AVS)

**AVS 110 Introduction to Aviation (3)**. Explore flight from the mythology of Icarus to the modern marvels of space flight and the people involved in developing the equipment, machines and careers in the aviation industry. (F, S)

**AVS 120 Theory of Flight (3).** Discover how aircraft fly and how control is maintained. Examine the wing plans, empennage design, the purpose of trim tabs and the effects during flight, drag, lift, weight and thrust included. Concurrent enrollment: AVS 120L. (Even S)

**AVS 120L Theory of Flight Experimental Learning (1).** Practical application of the theory of flight in the laboratory environment. Concurrent enrollment: AVS 120. (Even S)

**AVS 135 Aircraft Construction and Materials (3).** Investigate the variety of construction designs and methods, materials used and strength of the materials, beginning with the wood through composite technology. Concurrent enrollment: AVS 135L. (Odd S)

**AVS 135L Aircraft Construction and Materials Laboratory (1).** Materials testing, fabrication, design layout and detail assembly. Concurrent enrollment: AVS 135. (Odd S)

**AVS 212 Aviation Chemistry (3).** An examination of the chemicals that are used in aviation; fuels, paint, composites, pesticides, weed control, sanitation, emissions from equipment, Personal Protections Equipment requirements, MSDS information and EPA regulations. (Odd F)

**AVS 300 Aviation Law (3).** Aviation law and regulations. Particular attention will focus on the American legal system; important legal concepts, regulators of the industry and international aviation law. (F, S)

**AVS 301 Aviation Safety and Human Factors (3).** An examination of workplace safety concepts, human factors, risk management, safety management systems and government's role in promoting and enforcing aviation safety standards. (F)

**AVS 302 Airport Operations (3).** An examination of airport operations management, including airfield systems, air traffic control, security, planning, capacity and delays. (F)

**AVS 303 FBO Management (3).** An examination of the services fixed-base operators provide, including strategies for FBO marketing, financials, human resources, facilities and security. (S)

**AVS 310 Contemporary Issues in Aviation (3).** Explore current issues related to human factors and meteorology in aviation safety; examine the need for problem-solving and decision-making capabilities of aviation professionals. (F, S)

**AVS 320 FAA Regulations (3).** Procedural rules for airports, commercial carriers, flight schools, training centers, repair stations, air taxi and on-demand operators, administrative regulations and aviation proceedings. (F, S)

**AVS 468 Workshop in Aviation Science (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different).

**AVS 489 Internship (3).** For three (3) credit hours, 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 internship committee.

**AVS 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of three hours.) Prerequisite: instructor approval.

**AVS 493 Topics in Aviation Science (1-3).** As announced. (May be repeated for credit if topics are different.)

**AVS 494 Senior Seminar (4).** Contemporary issues, professionalism, opportunities and ethical responsibilities in aviation. Includes a capstone component to prepare graduating students for careers in aviation. Prerequisite: completion of degree-required AVS courses and the declaration of major in aviation. (Su)

## Biology (BIOL)

**BIOL 107 Basic Anatomy and Physiology I (3).** Part one of an introductory-level integrated systems approach to studying human anatomy, histology and physiological function. This section covers the basic understanding of the levels of the chemical and cellular functions, and the systems of the integumentary, skeletal, muscular and nervous tissue. This course is not intended for students majoring in Biology. Not applicable toward general education credit. Concurrent enrollment: BIOL 107L. (F)

**BIOL 107L Basic Anatomy and Physiology I Laboratory (1).** Concurrent enrollment: BIOL 107. (F)

**BIOL 108 Basic Anatomy and Physiology II (3).** Part two of an introductory-level systems approach to studying human anatomy, histology and physiological function. This section covers the basic understanding of the systems of the special senses, endocrinology, cardiovascular, respiratory, renal, gastrointestinal and reproduction. This course in not intended for students majoring in biology. Not applicable toward general education credit. Concurrent enrollment: BIOL 108L. Prerequisite: BIOL 107. (S)

**BIOL 108L Basic Anatomy and Physiology II Laboratory (1).** Concurrent enrollment: BIOL 108. Prerequisite: BIOL 107L (S)

**BIOL 110 Introduction to Wildlife and Fisheries Sciences (3).** An introduction to the diversity of life on earth, evolutionary processes and fundamental principles of animal populations, communities and ecosystems. GIS-based conservation and management of wild animals and their habitats will be emphasized. (F)

**BIOL 110L Introduction to Wildlife and Fisheries Sciences Laboratory (1).** Concurrent enrollment: BIOL 110. (F)

**BIOL 113 Biology for General Education (3) (NMCCNS BIOL 1113).** An introductory course for students not majoring in biology. Covers material from molecular and cellular biology through organismic biology to ecology. In addition the course will relate how a knowledge of biology is applicable to the non-major student. Credit not applicable toward biology major or minor. (F, S)

**BIOL 113L Biology for General Education Laboratory (1) (NMCCNS BIOL 1111).** A two-hour laboratory per week to be taken in conjunction with BIOL 113. (F, S)

**BIOL/ANTH/CHEM 125 Survey of Forensic Science (3).** Introduction to the principles and analytical techniques of forensic science. Concurrent enrollment with ANTH/BIOL/CHEM 125L required. (F, S)

**BIOL/ANTH/CHEM 125L Survey of Forensic Science (1).** A hands-on laboratory class providing a general introduction to forensic science. An overview of the three specialized branches of forensic anthropology, forensic biology and forensic chemistry. Students will learn the methods used to collect, identify and document evidence as well as analytical lab techniques. Concurrent enrollment with ANTH/BIOL/CHEM 125. (F, S)

**BIOL 154 General Biology I: Subcellular through Organismic Biology (3) (NMCCNS BIOL 1223).** 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 154L. (F, S)

**BIOL 154L General Biology I: Subcellular through Organismic Biology Laboratory (1) (NMCCNS BIOL 1221).** Concurrent enrollment: BIOL 154. (F, S)

**BIOL 155 General Biology II: Organismic through Supraorganismic Biology (3) (NMCCNS BIOL 1213).** 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 155L. (F, S)

**BIOL 155L General Biology II: Organismic through Supraorganismic Biology Laboratory (1) (NMCCNS BIOL 1211).** Concurrent enrollment: BIOL 155 (F, S)

**BIOL 209 Anatomy and Physiology I (3) (NMCCNS BIOL 2413).** Part one of an integrated systems approach covering gross human anatomy, histology and physiological function. This section covers the skeletal and control systems including the nervous system, the endocrine system and signal transduction. Concurrent enrollment: BIOL 209L. Prerequisites: BIOL 154/L; CHEM 152/L strongly recommended. (F)

**BIOL 209L Anatomy and Physiology I Laboratory (1) (NMCCNS BIOL 2411).** Concurrent enrollment: BIOL 209. (F)

**BIOL 210 Anatomy and Physiology II (3) (NMCCNS BIOL 2423).** Part two of an integrated systems approach covering gross human anatomy, histology and physiological function. This section covers the muscular and other major body systems including cardiovascular, respiratory, renal and gastrointestinal systems. Concurrent enrollment: BIOL 210L. Prerequisites: BIOL 209/L. (S)

**BIOL 210L Anatomy and Physiology II Laboratory (1) (NMCCNS BIOL2421).** Concurrent enrollment: BIOL 210. (S)

**BIOL 214 Microbiology (3) (NMCCNS BIOL 2513).** Introduction to microbes. Concurrent enrollment: BIOL 214L. Recommended BIOL 113/L or 154/L and CHEM 151/L. (F)

**BIOL 214L Microbiology Laboratory (1) (NMCCNS BIOL 2511).** Concurrent enrollment: BIOL 214. (F)

**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 110/L or 155/L. (S)

**BIOL 216L General Botany Laboratory (1).** Concurrent enrollment: BIOL 216. (S)

**BIOL 222 Cell Biology (3).** Origin and function of living systems, cellular structure and physiology, energetics and metabolism, differentiation, multicellular systems. Prerequisites: BIOL 154/L. (F)

**BIOL 268 Workshop in Biology (1-3).** As announced. (May be repeated for a maximum of four hours if topics are different.)

**BIOL 293 Topics in Biology (1-3).** As announced. (May be repeated for credit if topics are different.)

**BIOL 300 Invertebrate Zoology (3).** The morphology, physiology, ecology, reproduction and life habits of selected invertebrate phyla. Concurrent enrollment: BIOL 300L. Prerequisites: BIOL 110/L or 155/L. (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 110/L or 155/L. (Even S)

**BIOL 301L General Entomology Laboratory (1).** Concurrent enrollment: BIOL 301. (Even S)

**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, ecosystems and landscapes. Concurrent enrollment: BIOL 303L. Prerequisites: BIOL 110/L or 155/L, 154/L; STAT 213 highly recommended. (F,S)

**BIOL 303L General Ecology Laboratory (1).** Concurrent enrollment: BIOL 303. (F,S)

**BIOL 304 Genetics (3).** Mendelian patterns of inheritance, cytogenetics, molecular genetics, basic bioinformatics and genetic engineering. Concurrent enrollment: BIOL 304L. Prerequisites: BIOL 154/L. (F, S)

**BIOL 304L Genetics Laboratory (1).** Concurrent enrollment: BIOL 304. (F, S)

**BIOL 305 Evolution and Systematics (3).** Fundamentals of evolutionary processes and the interpretation of phylogenetic patterns. Prerequisites: BIOL 110/L or 155/L. (Odd S)

**BIOL 306 General 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 306L. Prerequisites: BIOL 154/L; CHEM 151/L. (F, S)

**BIOL 306L General 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 306. (F, 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 110/L or 155/L. (Even F)

**BIOL 307L Vertebrate Zoology Laboratory (1).** Concurrent enrollment: BIOL 307. (Even 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 110/L or 155/L. (Odd S)

**BIOL 341L Parasitology Laboratory (1).** Concurrent enrollment: BIOL 341. (Odd 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 110/L or 155/L, 154/L, 222, 304/L. (Odd S)

**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 154/L, 209/L, 210/L. Recommended BIOL 304/L. (F)

**BIOL 404 Fisheries Management and Conservation (3).** Theory, methods and philosophy of fisheries management emphasizing sport and commercial fisheries, aquaculture and endangered species. Occasional field trips scheduled. Prerequisites: BIOL 110/L or 155/L, 154/L, 303/L; STAT 213. (Even F)

**BIOL 405 Wildlife Management and Conservation (3).** Theory, methods and philosophy of wildlife management or conservation emphasizing game, non-game and endangered species. Prerequisites: BIOL 110/L or 155/L, 154/L, 303/L. (Odd S)

**BIOL 407 Teaching Methods in Science (3).** Methods, resources, safety and lesson plans in teaching science lecture and laboratory courses. Prerequisite: acceptance into the teacher education program. (F)

**BIOL 409 Microbial Physiology (3).** Physiological, metabolic and nutritional characteristics of micro-organisms. Concurrent enrollment: BIOL 409L. Prerequisites: 304/L, 306/L. (Odd S)

**BIOL 409L Microbial Physiology Laboratory (1).** Concurrent enrollment: BIOL 409. (Odd S)

**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 110/L or 155/L, 216/L. (Odd F)

**BIOL 410L Plant Systematics Laboratory (1).** Concurrent enrollment: BIOL 410. (Odd F)

**BIOL 411 Herpetology (3).** Biology and classification of amphibians and reptiles. Occasional field trips. Concurrent enrollment: BIOL 411L. Prerequisites: BIOL 110/L or 155/L, 154/L (Even S)

**BIOL 411L Herpetology Laboratory (1).** Concurrent enrollment: BIOL 411. (Even S)

**BIOL 417 Environment, Resources and Policy (3).** Introduction to the biological concepts in environment and natural resources, and examination of current policies and laws for environment and natural resources such as wildlife, fisheries, forests, range, land, water and air. Prerequisites: BIOL 110/L or 155/L, 154/L. (Odd F)

**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. Prerequisites: BIOL 110/L or 155/L, 154/L, 216/L. (Even S)

**BIOL 420L Plant Structure and Function Laboratory (1).** Concurrent enrollment: BIOL 420. (Even S)

**BIOL 421 Immunology (3).** Host-parasite relationships and mechanisms of immunity. Prerequisites: BIOL 304/L, 306/L. (Odd F)

**BIOL 422 Medical Microbiology (3).** Micro-organisms involved in disease; medical microbiology identification, symptomatology, vectors and pathology. Concurrent enrollment: BIOL 422L. Prerequisites: BIOL 306/L recommended. (Even S)

**BIOL 422L Medical Microbiology Laboratory (1).** Concurrent enrollment: BIOL 422. (Even S)

**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 pre-medical and health science students. Concurrent enrollment: BIOL 424L. Prerequisites: BIOL 209/L, 210/L. (Odd S)

**BIOL 424L Advanced Human Physiology Laboratory (1).** Concurrent enrollment: BIOL 424. (Odd S)

**BIOL 425 Molecular Biology (3).** Nucleic acid chemistry, recombinant DNA technology and gene cloning. Concurrent enrollment: BIOL 425L. Prerequisites: BIOL 222, 304/L. Recommended: BIOL 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. (S)

**BIOL 427 Developmental Biology (3).** Biology and genetic control of reproduction and development of the embryo. Prerequisite: BIOL 222, 304/L. (Even F)

**BIOL 430 Limnology (3).** Study of freshwater habitats and the ecology, distribution and identification of common freshwater organisms of the Southwest. Occasional field trips. Prerequisites: BIOL 110/L or 155/L, 303/L. (Odd S)

**BIOL 431 Mammalogy (3).** Biology and classification of mammals. Occasional weekend field trips scheduled. Concurrent enrollment: BIOL 431L. Prerequisites: BIOL 110/L or 155/L, 154/L. (Odd F)

**BIOL 431L Mammalogy Laboratory (1).** Concurrent enrollment: BIOL 431. (Odd 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/L, 210/L. (Even S)

**BIOL 433L Neurobiology Laboratory (1).** Concurrent enrollment: BIOL 433. (Even S)

**BIOL 436 Ichthyology (3).** Biology and classification of fishes. Occasional field trips. Concurrent enrollment: BIOL 436L. Prerequisites: BIOL 110/L or 155/L, 154/L. (Odd S)

**BIOL 436L Ichthyology Laboratory (1).** Concurrent enrollment: BIOL 436. (Odd S)

**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 standing, departmental approval.

**BIOL 442 Ornithology (3).** Biology and classification of birds. Occasional field trips scheduled. Concurrent enrollment: BIOL 442L. Prerequisites: BIOL 110/L or 155/L, 154/L. (Even S)

**BIOL 442L Ornithology Laboratory (1).** Concurrent enrollment: BIOL 442. (Even S)

**BIOL 450 Virology (3).** Characteristics, structure, identification and clinical relevance of viruses. Prerequisites: BIOL 304/L, 306/L. (Even F)

**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. Prerequisites: BIOL 110/L or 155/L, BIOL 154/L, 303/L. (Even 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 four hours.) Prerequisites: senior science major and instructor approval.

**BIOL 468 Workshop in Biology (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**BIOL/ANTH/CHEM/GEOL/PHYS 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.

**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. (May be repeated for a maximum of four hours.) (F, S, Su)

**BIOL 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) (F, S, Su)

**BIOL 492 Undergraduate Seminar and Assessment (1).** Selected topics of biology and an assessment of learning over the biology curriculum. To be taken in the last semester of enrollment. (F, S)

**BIOL 493 Topics in Biology (1-3).** As announced. (May be repeated for credit if topics are different.)

**BIOL 495 Biology Field Trip (1-3).** Intersession, vacation or summer session excursions to a variety of distant biological environments. Prerequisite: instructor approval.

## Business Administration (BUS)

**BUS 151 Introduction to Business (3) (NMCCNS BUSA 1113).** 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. (S)

**BUS 230 Business Law and Ethics I (3) (NMCCNS BLAW 2113).** Survey of the legal environment of business, including the sources of law, dispute resolution and the U.S. court systems, crime, intentional torts, negligence, strict liability, contracts, introduction to the Uniform Commercial Code, ethics and social responsibility, ethical application of the law, relationship between ethics and the law. (F, S)

**BUS 293 Topics in Business (1-3).** As announced. (May be repeated for a maximum of six credits with instructor and advisor approval.) (TBA)

**BUS 302 Comparative Law (3).** Survey of 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. (May not receive major or degree credit for both BUS 302 and BUS 432). Prerequisite: junior standing. (Even F)

**BUS 305 Small Business Management and Entrepreneurship (3).** Small business problems and applications emphasizing the processes of formulating, planning and implementing a new venture or small business. Prerequisite: junior standing. (S)

**BUS 310 Global Business (3).** 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 317 Business Law and Ethics II (3) (NMCCNS BLAW 2123).** An in-depth review of basic concepts of business law and an examination of advanced topics, including the Uniform Commercial Code law of sales, negotiable instruments, and secured transactions; the basic business organization forms–corporations, partnerships, limited liability companies, sole proprietorships; general employment law; property–real, personal, intellectual; theoretical and applied ethics and social responsibility. Prerequisite: BUS 230. (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. Prerequisite: completion of all foundation courses. (IS 281 may be taken concurrently). (F, S)

**BUS 381 Business Research and Analysis (3).** Applied business statistics and research techniques relevant to business decision making. Prerequisite: IS 281. (F, S)

**BUS 432 International Business Law (3).** Analyzes the legal environment and problems facing international business and multinational corporations and surveys 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. (May not receive major or degree credit for both BUS 302 and 432). Prerequisite: BUS 230. (Odd F)

**BUS 450 Employment Law and Regulatory Compliance (3).** Analyzes employer-employee relationship and conformance to government regulations. Topics include subjects such as Fair Labor Standards Act, minimum wage, minor employees, privacy (including HIPAA), whistle-blowing, interviewing and hiring, termination, alternative dispute resolution, affirmative action, disability (including ADA), discrimination, sexual harassment, family and medical leave, labor relations, wage and hour regulation, occupational safety and health, hazardous materials, workers compensation, employee benefits, insider trading, confidentiality requirements, non-compete requirements, employee training in ethics and compliance, and the Foreign Corrupt Practices Act. Prerequisite: BUS 230. (TBA)

**BUS 453 Business Strategy and Policy (3).** The capstone course for seniors completing their B.B.A. degrees. 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 competencies in decision processes. Prerequisites: final semester senior standing; BUS 330; FIN 315; MKT 425. (F, S)

**BUS 489 Internship (3).** The student must complete a minimum of 135 work hours over a minimum of eight weeks on-the-job-experience related to the discipline. Grading is satisfactory/unsatisfactory. Prerequisites: instructor, academic advisor and dean approval. (F, S, Su)

**BUS 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours with instructor and department approval.) Prerequisites: instructor, academic advisor and dean approval. (TBA)

**BUS 493 Topics in Business Administration (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval.

## Culinary Arts (CA)

**CA 102 ServSafe® (1).** Kitchen and food safety training and certification program established by the National Restaurant Association. Topics include foodborne illnesses, cooking temperatures, employee training and best practices for the foodservice industry. Students will successfully pass the ServSafe® Food Protection Manager Certification. (F)

**CA 104 Culinary Essentials I (3).** A hands-on introduction to the world of culinary arts. Topics include knife skills, general meat and vegetable cookery, breakfast cookery, product identification and familiarization with standard commercial kitchen equipment. (F)

**CA 120 Applied Culinary Skills I (3).** An introduction to food production in a real-world setting. Students will prepare and cook food items for the Lunch Production classes. Students will be required to rely on teamwork and time management to meet deadlines. (F)

**CA 125 Introduction to Baking and Pastry (3).** An introduction to the world of bakery science. Students will learn the traditional quick bread and yeast bread methods, as well as standard bread and roll formulation for daily restaurant production. Breads from this class will be required for lunch service at an on-campus venue. (Even F)

**CA 204 Culinary Essentials II (3).** A continuation of CA 104. Students will refine knife skills and general cooking techniques. Topics include meat fabrication, fruit and vegetable fabrication, and an introduction to modern and traditional sauces. (S)

**CA 220 Applied Culinary Skills II (3).** A continuation of CA 120. Students will be introduced to the management side of foodservice. Learning outcomes will include menu planning, ordering provisions, portion control and adherence to customer specifications. (S)

**CA 225 Intermediate Baking and Pastry (3).** An extension of CA 125. This course offers students the opportunity to reinforce skills with daily production for real-world deadlines. In addition, students will become familiar with many plated desserts found in the modern kitchen. Cakes, custards, tarts, crepes and other pastries will be covered, as will traditional and modern methods for presentation of these items. (Even S)

**CA 300 History of Cooking (3).** An historical look at where present day foods come from and their dramatic impact on civilization. Covers the Paleolithic Era through the modern age, giving new perspective and respect for the many foods available to today's consumer. (Su)

**CA 325 Cakes and Confections (3).** Designed to familiarize students with the necessary skills required to operate a small bakery or confections shop. Students will produce custom cupcakes and pastries, molded candies, fudge, toffee and chocolate items. The class will culminate in students presenting a business model and appropriate food items for a mock concept. (Odd S)

**CA 327 *Garde Manger* (3).** Classic European and American meat fabrication and preservation techniques. Students will become familiar with sausage making, brining, smoking, curing and drying techniques. Other traditional items produced will include pates, terrines, ballotines and galantines. (Even S)

**CA 330 Mediterranean Cuisine (3).** Traditional dishes from the Ancient Classical world as well as modern Near Eastern delicacies. Topics will include the cuisines of Greece, Italy, Turkey, Israel, Lebanon and Egypt. (Odd S)

**CA 375 American Cuisine (3).** A culinary voyage around the distinctive regions of the United States. Cuisines explored will include Southern, New England, Midwestern, Southwestern, Northwestern, Cajun and Hawaiian. (Even S)

**CA 410 Foods of the World (3).** Explores a variety of cuisines by studying the crucial roles of countries, regions, cultures and ingredients; as well as how locally grown foods enhance international cooking techniques. Students will explore the relationship and influence of foreign cuisine on today's more popular ingredients and dishes. (Odd F)

**CA 425 Food Styling (3).** An exciting look at the world of food photography. Students will learn to create mock ups of food and beverage items for simulated advertising campaigns. Students will produce a professional portfolio of high-quality stills for inclusion in a resume, or for small-business marketing. (Even F)

**CA 450 Classical French Cuisine (3).** Students will produce the classical dishes of Auguste Escoffier, including traditional sauces, garnishes and service styles. The class will culminate in an end of semester banquet, during which students will demonstrate their mastery of this quintessential style of cookery. (Odd F)

**CA 455 Asian Cuisine (3).** The unique and traditional style of cookery employed by chefs of the East. Topics to be covered will include the cuisines of China, Japan, India, Thailand, Vietnam, Korea and the Philippines. (Even F)

**CA 460 Lunch Production (3).** Students will coordinate and facilitate the food production from applied culinary skills classes. Lunch Production will focus on managing pre-prep and liasing with meal preparers/servers and supervisors in an on-campus venue. A major focus is the comprehension and maintenance of strict dietary guidelines as required by State and Federal governing bodies. This is a senior capstone class. (Odd S)

**CA 470 Catering and Events (3).** Students will spend the first eight weeks of this course designing and producing wedding-style cakes, using classical techniques. In-class workshops will include rolling fondant, marzipan and gum paste, icing flowers and traditional buttercreams. The second eight weeks will require students to plan and execute all aspects of an off-site catered event. (Su)

**CA 489 Advanced Management Internship (3).** Students in this course will assist the culinary professor in a less-advanced course of the professor's choosing. The student is required to have completed the class in which they will assist with a grade of "B" or higher. Students are required to obtain the permission of the professor prior to registration for Advanced Management. (May be repeated for a maximum of six hours if classes are different.) (F, S, Su)

**CA 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of six hours.) (F, S, Su)

**CA 493 Topics in Culinary Arts (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

**CA 496 Culinary Arts Internship (3+3, 6).** A 360-hour paid/unpaid work internship in a food production environment. An integral part of students' culinary arts education is practical experience in a chosen field. As such, this course places students in a real-world, hands-on environment in which students perform practical tasks. Students will be scheduled according to the business needs of the operation. Students will be required to work different shifts and at a variety of tasks, gaining exposure to various schedules, services and products of the business. Achievement of course objectives will be measured from subjective and objective evaluations of the supervisor and the advisor. Students will prepare a report detailing their experience. Students are required to have the internship approved by their advisor. (F, S, Su)

## Career and Technical Education (CTED)

**CTED 301 CTE Foundations (3).** Career and technical education history, philosophy, policies, goals and objectives, and student organizations. (F, S)

**CTED 302 Instructional Facility Design (3).** Organization and management strategies for career and technical education instructional facilities. Instruction focuses on facility planning and management, and facilitating a safe learning environment. (F, S)

**CTED 303 CTE Curriculum Development (3).** Principles of curriculum planning, development, implementation and evaluation in career and technical education. Topics include curriculum development and validation, academic integration and assessment. Prerequisites: CTED 301. (F)

**CTED 304 The Global Workforce (3).** Diversity and multicultural topics related to workforce and career and technical education. Students will identify, analyze and critically evaluate workforce issues from a global perspective. (F, Su)

**CTED 401 CTE Leadership (3).** Major theories associated with the art and practice of CTE leadership. (S)

**CTED 468 Workshop in CTE (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**CTED 480 Methods of Teaching CTE (3).** Teaching methods, instructional strategies, classroom management and assessment in career and technical education. Prerequisite: CTED 303 or instructor approval. (S)

**CTED 481 Supervised Classroom Internship (6).** Observation and teaching under supervision in a secondary school, community or technical college, or business and industry training environment. Prerequisite: CTED 480 or instructor approval. (F, S, Su)

**CTED 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.)

**CTED 493 Topics in CTE (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

## Chemistry (CHEM)

**CHEM 113 Chemistry for Today (3) (NMCCNS CHEM 1113).** A survey of basic concepts in chemistry for non-science majors; chemistry of the real world and its role in modern technology and its effect on quality of life. Prerequisites: ACT math score of at least 21 or SAT math score of at least 550. Concurrent enrollment: CHEM 113L. (F, S)

**CHEM 113L Chemistry for Today Laboratory (1) (NMCCMNS CHEM 1111).** Experience with common chemicals. Designed with science education component. If students withdraw from CHEM 113 lecture, they must withdraw from the lab. Prerequisite: Concurrent enrollment in or previous successful completion of CHEM 113. (F, S)

**CHEM/BIOL/ANTH 125 Survey of Forensic Science (3).** Introduction to the principles and analytical techniques of forensic science. (F, S)

**CHEM/BIOL/ANTH 125L Survey of Forensic Science Laboratory (1).** A hands-on laboratory class providing a general introduction to forensic science. An overview of the three specialized branches of forensic anthropology, forensic biology and forensic chemistry. Students will learn the methods used to collect, identify and document evidence as well as analytical lab techniques. Concurrent enrollment with ANTH/BIOL/CHEM 125. (F, S)

**CHEM 151 General Chemistry I (3) (NMCCNS CHEM 1213).** Basic laws and principles of chemistry, part I: scientific notation, isotopes, atomic and molecular ions, states of matter, Lewis dot structures, periodic chart, ionic compounds, units, significant figures, density, classification of chemical reactions, chemical equations, atomic and molecular weights and molar masses, solutions and concentration, electromagnetic radiation and photons, atomic orbitals, atomic electronic configurations, ionization potentials, electronegativity, chemical bonds, dipole moments, intermolecular interactions, gases and an introduction to thermodynamics. Students withdrawing from this course must receive instructor's permission to continue in CHEM 151L. Prerequisite: college algebra (or higher) with a grade of "C" or higher, MATH 119 may be taken concurrently. Concurrent enrollment: CHEM 151L. (F, S)

**CHEM 151L General Chemistry I Laboratory (1) (NMCCNS CHEM 1211).** Basic general chemical laboratory techniques, significant figures. Students withdrawing from CHEM 151 may continue in this lab only with instructor's permission. Concurrent enrollment: CHEM 151. (F, S)

**CHEM 152 General Chemistry II (3) (NMCCNS CHEM 1223).** Basic laws and principles of chemistry, part II: molarity concentration, chemical equilibrium, acids and bases, molecular orbital theory, valence bond theory, kinetics, thermodynamics and advanced topics. Students withdrawing from this course must receive instructor's permission to continue in CHEM 152L. Prerequisites: CHEM 151/L; college algebra (or higher) with a grade of "C" or higher. Concurrent enrollment: CHEM 152L. (F, S)

**CHEM 152L General Chemistry II Laboratory (1) (NMCCNS CHEM 1221).** Basic general laboratory techniques, titration curves. Students withdrawing from CHEM 152 may continue in this lab only with instructor's permission. Concurrent enrollment: CHEM 152. (F, S)

**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/L; MATH 119 with a grade of "C" or higher. Concurrent enrollment: CHEM 233L. (S)

**CHEM 233L Quantitative Analysis Laboratory (1).** Techniques and approaches to quantitative chemical analysis. Prerequisites: CHEM 152/L. Concurrent enrollment: CHEM 233. (S)

**CHEM 268 Workshop in Chemistry (1-3).** As announced. (May be repeated for maximum of four hours credit if topics are different.)

**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, molecular orbital theory and group theory applied to molecular systems. Prerequisite: CHEM 152/L. Concurrent enrollment: CHEM 321L. (F)

**CHEM 321L Inorganic Chemistry Laboratory (1).** Inorganic synthesis and analysis. Three hours laboratory per week. Prerequisite: CHEM 152/L. Concurrent enrollment: CHEM 321. (F)

**CHEM 341 Organic Chemistry I (3).** Hybrid orbitals, chemical bonds, functional groups, alkanes, stereochemistry, alkyl halides, alcohols and ethers and epoxides, NMR and IR and MS. Prerequisites: CHEM 152/L. Concurrent enrollment: CHEM 341L. (F)

**CHEM 341L Organic Chemistry I Laboratory (1).** Three laboratory hours per week. Concurrent enrollment: CHEM 341. (F)

**CHEM 342 Organic Chemistry II (3).** Alkenes and alkynes, oxidation and reduction and organometallic reagents, conjugation and aromaticity and aromatic electrophilic substitution, aldehydes and ketones and nucleophilic addition reactions, carboxylic acids and their derivatives and nucleophilic acyl substitution reactions, carbonyl condensation reactions, amines. Prerequisites: CHEM 341/L. Concurrent enrollment: CHEM 342L. (S)

**CHEM 342L Organic Chemistry II Laboratory (1).** Three laboratory hours per week. Prerequisites: CHEM 341/L. Concurrent enrollment: CHEM 342. (S)

**CHEM 401 Biochemical Methods (1).** An integrated biochemical analysis laboratory covering protein crystallization, electrophoresis, protein over-expression, purification and several biochemical assays. Concurrent enrollment: CHEM 401L. (S)

**CHEM 401L Biochemical Methods Laboratory (1).** Concurrent enrollment: CHEM 401. (S)

**CHEM 407 Forensic Chemistry (3).** Chemical analysis of drugs, toxicological samples, fire debris, explosive residues and trace evidence that is significant or might have been used in the commission of a crime. May not be used as a substitute for CHEM 450/L. Prerequisites: CHEM 125/L and 342/L. Recommended: CHEM 233/L. (Even S)

**CHEM 411 Physical Chemistry/Thermodynamics (3).** Thermodynamics, kinetics and special topics. Prerequisites: CHEM 152, PHYS 151, MATH 124 or 215. Recommended: PHYS 152, MATH 202, and CHEM 233/L. (Odd S)

**CHEM 411L Physical Chemistry Laboratory I (1).** Prerequisite CHEM 411 or concurrent enrollment. (Odd S)

**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 151. Recommended: PHYS 152. (Even S)

**CHEM 412L Physical Chemistry Laboratory II (1).** Prerequisites: CHEM 411/L and CHEM 412 or concurrent enrollment in CHEM 412 or instructor approval. (Even S)

**CHEM 442 Advanced Organic Chemistry (3).** Survey of reactions and techniques of modern organic syntheses (pharmaceuticals and natural products) and use of the chemical literature. Prerequisite: CHEM 342/L. (Odd F)

**CHEM 450 Instrumental Analysis (2).** Survey of advanced analytical techniques and analytical method development, focusing on hands-on training with modern instruments in spectroscopy, separation and electroanalytical techniques. Concurrent enrollment: CHEM 450L. Prerequisites: CHEM 233/L. (F)

**CHEM 450L Instrumental Analysis Laboratory (2).** Two three-hour laboratory meetings per week. Concurrent enrollment: CHEM 450. Prerequisites: CHEM 233/L. (F)

**CHEM 452 Biochemistry (3).** The chemistry and metabolism of biomolecules. Recommended for all chemistry majors, pre-med and students interested in molecular biology. Prerequisites: CHEM 152/L and BIOL 154/L with a grade of "C" or higher. (F)

**CHEM 453 Advanced Biochemistry (3).** A study of carbohydrate and lipid metabolism as well as photosynthesis. Focuses on the unifying themes of protein regulation, basic redox chemistry and bioenergetics. Prerequisite: CHEM 452. (S)

**CHEM/GEOL 454 Geochemistry (3).** Application of chemical principles to the study of geologic systems, aqueous geochemistry; crystal chemistry; surface chemistry; thermodynamics; oxidation-reduction; radioactive and stable isotopes; kinetics. Prerequisites: CHEM 151/L, 152/L. (Even F)

**CHEM 468 Workshop in Chemistry (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**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 four hours.) Prerequisite: instructor approval. (F, S)

**CHEM/ANTH/BIOL/GEOL 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.

**CHEM 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four 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 two 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 a chemistry or biochemistry degree program. Grading is S/U. (S)

## Communication (COMM)

**COMM 101 Interpersonal Communication (3) (NMCCNS COMM 1213).** An introduction to the study of interpersonal communication that focuses on experiencing and expressing emotion, listening, developing interpersonal competence and managing interpersonal conflict. Other topics include family, romantic relationships, friendship and relationships in the workplace. (F, S, Su)

**COMM 102 Public Speaking (3) (NMCCNS COMM 1113).** A practical introduction to the fundamental principles of public speaking that emphasizes audience analysis, reasoning, the use of evidence and effective delivery. Students will prepare and deliver a range of professional presentations, including autobiographical, informative, persuasive and impromptu speeches. (F, S)

**COMM 103 Introduction to Mass Communication (3).** A survey of the history and current trends in mass communication that focuses on media literacy and the relationship between mass media and society. Topics include books, newspapers, radio, television, film, the Internet, advertising, public relations, global media, media law and media ethics. (F, S)

**COMM 110 Beginning Television Production (3).** Introduction to the principles and techniques of studio production for television. Includes producing, directing, camera, lighting, switching, sound and graphic design. Also covers the technical and creative aspects of television production. Lab fee required. (F, S)

**COMM 202 Dynamics of Group Communication (3).** Explores the principles and practices of effective participation in small groups, with emphasis on critical thinking, problem solving, organizational skills and cooperative methods. Combines a theoretical foundation with practical application to help students better understand the dynamics of group communication in both professional and social contexts, including exploration of group norms, group roles, leadership styles, culture and conflict. (F, S, Su)

**COMM 204 Foundational Writing for Communication (3).** Teaches the fundamentals of writing for the communication field by focusing on identifying, evaluating, constructing and organizing effective persuasive arguments; conducting research and ethically documenting sources; and producing clean, efficient writing styles that can be adapted to various writing situations and industry standards within the communication field. Prerequisites: ENG 102, 104. (F, S)

**COMM 205 Beginning Reporting (3).** Introduces students to fundamentals of news writing and reporting for all forms of mass media. Focuses on essential newsgathering skills including interviewing, cultivating sources, generating story ideas, information-gathering strategies, reporting, writing, story components, news values, reporting principles and Associated Press style. Combines a theoretical foundation with practical application. Lab fee required. Prerequisites: ENG 102, 104. (F, S)

**COMM 210 Audio Production (3).** Introduction to the principles and techniques of radio and television audio production. Course includes technical and creative use of microphones, mixing consoles, music, sound effects, and audio recorders for radio, television and film sound tracks. (S)

**COMM 212 Introduction to Digital Photography (3).** Provides a comprehensive introduction to digital photography, including camera operation, software application, framing, news value, and legal and ethical considerations. Students must own or have access to a digital camera with manual functions. (Lab fee required) (F)

**COMM 220 Intermediate Television Production (3).** Emphasis on electronic field production (EFP) and post-production, including non-linear 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. (F, S)

**COMM 260 Introduction to Public Relations (3).** Introduction to the theory and practice of public relations, including its functions in organizations and society, as well as issues, concepts and theories. Emphasis on practical applications. (Lab fee required) (F)

**COMM 268 Workshop in Communication (1-3).** As announced. (May be repeated for a maximum of six hours with permission of department chair.)

**COMM 293 Topics in Communication (1-3).** As announced. (May be repeated for credit if topics are different.)

**COMM 300 Introduction to Communication Theory (3).** Provides a survey of major theories from across the communication discipline, including mass communication and communication studies. Students will focus on standards for evaluating theory and how to apply theory in a variety of contexts. (F)

**COMM 302 TV Field Reporting (3).** Emphasis on field pre-production, production and post-production. Includes script preparation, proper use of field equipment, non-linear editing, reporting and other areas. (Lab fee required) Prerequisites: COMM 110, 220, 311, 327. (S)

**COMM 303 Public Relations Techniques (3).** Focuses on developing and enhancing the skills and techniques involved in writing for public relations. Includes press releases, public service announcements, newsletters, annual reports, memos, backgrounders, advertising copy, feature articles, posters, books, social media, media kits and presentations. Course also covers copy dissemination, media use, media networks and design. (Lab fee required) Prerequisites: COMM 204, 205, 260. (S)

**COMM 304 Intermediate Reporting (3).** Provides hands-on training under deadline pressure in writing news stories for newspapers, magazines and online media. Enhances and refines skills in cultivating sources, generating story ideas, information gathering strategies and techniques, interviewing, reporting, writing and Associated Press style. Emphasizes computer-assisted, in-depth and investigative journalism. (Lab fee required) Prerequisites: COMM 204, 205. (S)

**COMM 310 Popular Culture (3).** Explores the rhetorical dynamics of popular culture, including film, music, television and advertising. Focuses on theory and critical methods for analyzing the social, political and cultural implications of popular culture. Fulfills general education global/diversity requirement. (Su)

**COMM 311 Editing (3).** Provides a comprehensive introduction to the principles of continuity editing for television, including pre-production, production and non-linear post-production. (Lab fee required) Prerequisites: COMM 210, 220; or DFM 110. (Even S)

**COMM 327 Broadcast Journalism (3).** Provides a comprehensive introduction to writing for radio and television news, including features and broadcast packages at the local and network levels. (Lab fee required) Prerequisites: COMM 110, 204, 205. (F)

**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. Fulfills General Education Global/Diversity Requirement. (F)

**COMM 331 Intercultural Communication (3).** Explores the relationship between communication and culture in a variety of cultural groups, including national cultures, ethnic and racial groups, economic classes and subcultures. Examines how experience, meaning, representation, power and identity are constructed, negotiated and resisted through communication practices. Fulfills general education global/diversity requirement. (Su)

**COMM 334 Persuasive Communication (3).** Provides a comprehensive introduction to research and theory on persuasion and considers its application in various communication contexts. Topics include advocacy, argumentation, attitude change, compliance, commitment and consistency theories, elaboration likelihood model, dissonance, framing, heuristics, propaganda and resistance to persuasion. Prerequisites: COMM 101, 102 or 202. (S)

**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 205. (Odd S)

**COMM 344 Broadcast Practicum (2).** Provides students with practical, hands-on experience in a faculty-supervised, educational setting with broadcast industry professionals. This course must be taken in alphabetic sequence as follows: A. level one; B. level two; C. level three; D. level four. Prerequisite or concurrent enrollment: COMM 205. (Lab fee required) (F, S)

**COMM 360 Journalism/Public Relations Practicum (2).** Provides students with practical, hands-on experience in journalism and public relations in a faculty-supervised, educational setting. May include news and public relations writing, editing, design, photography, campaigns, social and online media, or web development. Practicum must be taken in alphabetic sequence as follows: A. level one; B. level two; C. level three. Prerequisite: COMM 205. (Lab fee required) (F, S)

**COMM 380 Nonverbal Communication (3).** A survey course that provides a comprehensive introduction to nonverbal communication in interpersonal relationships by examining the roles that nonverbal behavior plays in communication practices such as friendship, intimacy, dominance and persuasion. (Even S)

**COMM 390 Rhetorical Theory (3).** A survey course that traces, explores and investigates rhetorical concepts and theories in the Western tradition, from Ancient Greece to present day. Prerequisite: COMM 300. (Odd S)

**COMM 401 Editorial Writing (3).** Techniques of editorial writing with an emphasis on logical thinking; writing and researching editorials; interpreting the news for print, broadcast and online media; and practice writing reviews and criticisms. (Lab fee required) Prerequisite: COMM 304. (Even S)

**COMM 402 Feature Writing (3).** Focuses on writing long-form features for magazines, newspapers and various consumer and online media; study of magazine markets and selling techniques for the freelance writer; and hands-on practice under deadline pressure in magazine and feature writing in newsroom conditions. Students will write, edit and analyze their own work as well as stories written by their peers, and will read the work of successful magazine and book authors. (Lab fee required) Prerequisite: COMM 304. (F)

**COMM 410 Applied Writing for Media (3).** Provides an overview of new and emerging media, social networks, social information networks (SIN), blogging, webcasts and podcasts. Students will explore the changes in sharing, creation and dissemination of information and knowledge; the social and cultural implications of these changes; and the relationship between writing and visual images. (Lab fee required) Prerequisite: COMM 304. (S)

**COMM 412 Photojournalism (3).** Focuses on photos as effective tools of communication for all media, with an emphasis on shooting on deadline, news, features, sports, photo essays, photo page design and layout, cutline writing and the ethics of photojournalism. Students will function as photojournalists, gaining hands-on experience shooting news, features, sports, and essays in newsroom conditions, as well as pitching visual story ideas. Students must own or have access to a digital camera with manual functions. (Lab fee required) Prerequisites: COMM 205, 212. (Odd S)

**COMM 414 Media Law (3).** A study of the development of mass media law with an emphasis on case studies in prior restraint, libel, privacy, obscenity, contempt and access as they relate to print, broadcast, advertising and other areas. Prerequisite: COMM 103. (F)

**COMM 415 Media Ethics (3).** Discussion of issues in ethical theory among media professionals in journalism, public relations, broadcast, advertising, marketing, online environment and others in the communication field. Focus on classic ethical theory as well as contemporary issues, case studies and ethical dilemmas; application of classic ethics theory to contemporary problems. Prerequisite: COMM 103 (S)

**COMM 420 Documentary Writing and Production (3).** Emphasis on the pre-production, production and post-production of television documentaries. Students will study the various styles of documentary production, explore the purpose or message producers convey to the audience, and write and produce their own original short documentary. (Lab fee required) Prerequisites: COMM 204, 205, 311. (Odd F)

**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. (Lab fee required) Prerequisite: COMM 220. Concurrent enrollment: COMM 422L. (Even F)

**COMM 422L Directing for Television Laboratory (NC).** Advanced directing techniques for both studio and electronic field production. Concurrent enrollment: COMM 422. (Even F)

**COMM 460 Public Relations Cases and Campaigns (3).** Principles of planning, creating and implementing cases and campaigns; understanding and appreciation of stakeholders; and public relations for specialized fields. Students study public relations case studies and create a directed public relations campaign project for a campus, local or regional client organization. (Lab fee required) Prerequisites: ART 143; COMM 303. (F)

**COMM 468 Workshop in Communication (1-3).** As announced. May be repeated for a maximum of six hours with of department chair approval.

**COMM 470 Interpersonal Communication Behavior (3).** Focuses on communication and the development and maintenance of individual self-image, relationships, and social and group roles; transactional states in relationships; emotional social isolation; and communication behaviors among youth and the elderly. Prerequisite: COMM 300. (Even S)

**COMM 475 Gender Communication (3).** Explores how our ideas about biological sex and gender and our identities as men, women and sexual beings are influenced by and contested in the communication around us, from interpersonal relationships to the mass media, from political campaigns to social movements. (Odd F)

**COMM 477 Family Communication (3).** Examines the principles of family communication in a variety of family types. Explores communication issues including aging, conflict, intimacy, rules and stories. (Odd F)

**COMM 489 Communication Internship (1-6).** Part-time or full-time supervised work with a radio station, television station, newspaper, advertising agency, public relations agency, or other media-related organization. Only six hours can be applied to major. Prerequisite: 3.00 GPA. Internship application must be completed the semester prior to the internship. (F, S, Su)

**COMM 491 Directed Study (1-3).** Independent study. May be repeated for a maximum of six hours with permission of department chair. Prerequisite: instructor approval.

**COMM 493 Topics in Communication (1-3).** As announced. (May be repeated for credit if topics are different.)

**COMM 498 Senior Seminar (3).** Students learn the principles and strategies necessary to communicate effectively in both personal and professional environments. Major topics include self-exploration, career development and professional communication. 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, last semester. (F, S).

## Communicative Disorders (CDIS)

**CDIS 140 Introduction to the Health Care Professions (3).** Nature, scope of practice, practice settings, work conditions and entry level educational requirements of multiple health care professions; history of medicine and health care, the impact on the health care in the U.S., and social and economic influences on health care will also be explored. (TBA)

**CDIS 144 Introduction to American Sign Language (3).** Develop basic visual/receptive and expressive signed communication skills with working vocabulary of 500 signs and "survival phrases." Acquire basic information about ASL structure and grammar, including fingerspelling. Introductory information about deaf culture and deaf community. (F)

**CDIS 243 Survey of 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)

**CDIS 244 American Sign Language I (3).** Continuation of introductory ASL course. Increase vocabulary by 300+ signs with a primary focus on grammatical features, structure and syntax. Additional topics include advanced fingerspelling, numbers, classifiers and basic conversational functions. Prerequisite: CDIS 144. (S)

**CDIS 245 American Sign Language II (3).** Continuation of American Sign Language I, providing students with a more advanced study of sign lexicon, ASL structure and grammar,

and language in context. Focus on sign narratives and storytelling. Additional topics to be addressed will be ASL classifiers, spatial referencing and role shifting in narratives, Deaf culture and history. Prerequisite: CDIS 244. (Odd F)

**CDIS 246 American Sign Language III (3).** Continuation of American Sign Language II; designed to assist students in improving general conversational competence in ASL related to phonology, sign lexicon, syntax and discourse. Focus on semantic meaning, accurate lexical choices, appropriate use of non-manual behaviors and the use of context to determine meaning. Students will also expand their signing skills with an emphasis on ASL grammar usage in dialogues, short stories and narratives. Prerequisite: CDIS 245. (Even S)

**CDIS 268 Workshop in Communicative Disorders (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Workshops are designated for Satisfactory/Unsatisfactory grading.

**CDIS 293 Topics in Communicative Disorders (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**CDIS 300 Speech-Language-Hearing Anatomy and Physiology (3).** Structure and function of speech and hearing mechanisms including respiration, phonation, articulation, resonation, hearing and neurology. (F, S)

**CDIS 303 Language Science (3).** An introductory linguistics course that focuses on the core concepts of language (phonology, morphology, syntax, semantics and pragmatics) through linguistic/grammatical analysis and basic language coding. (S)

**CDIS 310 Phonetics/Phonology (3).** The study of phonetics; the position, movements and acoustic properties of speech sounds and introduction to the International Phonetic Alphabet and diacritics; primary emphasis on transcription training for normal speech, disordered speech and dialectally influenced speech. (F,S)

**CDIS 311 Articulation/Phonological Disorders (3).** Characteristics, causes, assessment and treatment of articulation and other speech disorders in children and adults; specific emphasis on clinical management techniques. Prerequisite: CDIS 310. (S)

**CDIS 320 Issues in Disability (3).** Disability conditions/situations as experienced from multiple perspectives (e.g., individuals with disability and society); relationship/interconnectedness between personal, cultural and global agendas; considers the various models of viewing disability as well as defining disability across global frameworks (e.g., the World Health Organization); attention to individual/societal response, cultural/ethical considerations, personal and civic responsibilities, and laws and the justice system as they pertain to disability. (F, S, Su)

**CDIS 330 Speech and Language Development (3).** Understanding of speech/language learning process/theory in the child, adolescent and young adult years; phonological/articulatory phonetic, morphological, semantic, syntactic and pragmatic taxonomic aspects of speech/language development explored; physical, cognitive and social development as related to speech and language acquisition/organization. (F)

**CDIS 332 Language Disorders (3).** Characteristics, causes, assessment and treatment of language disorders in children and adolescents; specific emphasis on clinical management techniques. Prerequisite: CDIS 330. (F, S)

**CDIS 342 Basic Audiology (3).** Introduction to pathologies of the auditory and vestibular systems and the basic audiologic evaluation with emphasis on pure tone and speech audiometry, clinical masking, acoustic immittance and interpretation. Prerequisite: CDIS 300. (F, S)

**CDIS 400 Speech and Hearing Science (3).** Advanced science course in normal speech production and perception. Topics include the evolution of speech, research in speech production and perception, acoustics, acoustic phonetics, laboratory instrumentation and computer applications. Prerequisites: CDIS 300, 310 (S, Su)

**CDIS 421 Neuroscience of Communication (3).** Normal and pathological neuroanatomy and neurophysiology of speech, language and hearing related to clinical problems in speech-language pathology. (S, Su)

**CDIS 433 Medical Concepts for Communication Disorders (3).** Selected topics in medicine and health care important for the speech-language pathologist and audiologist. (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. Prerequisite: CDIS 342. (F, S)

**CDIS 441 Speech-Language Preclinical (1).** Preclinical, experience to acquaint the student with the provision of speech-language and/or aural habilitation/rehabilitation therapy services; observations of clinical service provision and completion of client-based treatment and reporting documents. Prerequisites: CDIS 311, 332. (F, S, Su)

**CDIS 441L Preclinical Observation Laboratory (1-3).** Focused observations in speech-language pathology; variable credit based on clock hours earned; one credit (10 hours), two credits (11-20 hours), three credits (21-30 hours). (May be repeated for credit.) Concurrent enrollment: CDIS 441. (F, S, Su)

**CDIS 445 Speech-Language Practicum (1).** Supervised clinical experience including speech-language and/or aural habilitation/rehabilitation intervention, speech-language hearing screenings, conferences and record keeping. Attendance at weekly clinician meetings may be required. Prerequisite: consent of instructor. (May be repeated for a maximum of two credits). (F, S, Su)

**CDIS 446 Audiology Practicum (1).** Supervised clinical experience in hearing screenings, audiologic evaluations and/or aural rehabilitation, with associated report writing. Prerequisite: instructor approval. (May be repeated for a maximum of two credits). (F, S, Su)

**CDIS 454 Speech and Language Assessment (3).** Administration, scoring and interpretation of testing in speech and language; statistical and psychometric principles of normative, standardized assessment as well as criterion referenced evaluation, dynamic testing and authentic assessment considerations; reliability, validity and eligibility/functional needs also addressed. Prerequisites: CDIS 311, 332. (F, Su)

**CDIS 455 Introduction to Undergraduate Research (3).** Introduction to principles of CDIS research with emphasis on reading and interpreting professional journal articles. Topics include fundamentals of qualitative and quantitative design (e.g., scientific inquiry, statistical reasoning, grounded theory, observation, interviewing and ethical considerations). Academic writing is required. Prerequisite: STAT 213. (F)

**CDIS 456 Research Applications (3).** Student application of research fundamentals to research design and data analysis. Topics include constructing PICO based research questions, critical analysis of peer reviewed research for evidenced based practice/conclusions, and response to intervention evaluations. Original group research and presentation is required. Prerequisite: CDIS 455. (S)

**CDIS 468 Workshop in Communicative Disorders (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.). Workshops are designated for S/U grading.

**CDIS 489 Internship in Communicative Disorders (1-4).** Supervised on-the-job experience related to the discipline. Variable credit dependent on hours completed at agency and supporting academic assignments completed. Grading is S/U. (May be repeated for a maximum of four credits) Prerequisite: advisor and department chair approval. (F, S, Su)

**CDIS 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours in each area.) Prerequisite: instructor approval. A. Audiology; B. Speech pathology

**CDIS 493 Topics in Communicative Disorders (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

## Computer Science (CS)

**CS 102 Computer Science Orientation (1).** Introduction to the computer science field and profession. Problem solving and study skills. Social and ethical issues in computing. (F)

**CS 121 Computing Concepts (3).** Introduction to computer science. Topics may include: computer organization, programming languages, algorithms and problem solving. (S)

**CS 123 Computer Science I (4).** Imperative and object-oriented programming, including: I/O, operators and expressions, APIs, simple class definition, control structures, arrays. (F)

**CS 220 Discrete Mathematics for Computer Science (3).** Theory and applications of discrete mathematical models fundamental to analysis of problems in computer science. Topics include set theory, methods of proofs, relations and functions, combinatorics and probability, graphs and trees, and Boolean algebra. Prerequisite: MATH 119. (S)

**CS 234 Computer Science II (4).** Design, implementation, use of fundamental abstract data types and their algorithms: lists, stacks, queues, trees; imperative and object-oriented programming. Internal sorting; time and space efficiency of algorithms. Prerequisite: CS 123 (S)

**CS 268 Workshop in Computer Science (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**CS 288 Cooperative Education (1-3).** Practical experience at a cooperating institution. Prerequisite: instructor approval.

**CS 293 Topics in Computer Science (1-3).** As announced. (May be repeated for credit if topics are different.)

**CS 301 Programming Language Concepts (3).** General concepts underlying the design and implementation of programming languages. Introduction to programming paradigms. Prerequisite or concurrent enrollment in CS 357. (Odd S)

**CS 357 Data Structures (3).** Specification, implementation and analysis of linear and tree structures. Prerequisites: CS 220, 234. (F)

**CS 360 Object-Oriented Development (3).** Object-oriented design, inheritance and polymorphism, event-driven programming, design patterns, documentation and testing. Prerequisite: CS 234. (Even F)

**CS 451 Design and Analysis of Algorithms (3).** Principles and concepts for design and analysis of correct and efficient algorithms, including greedy algorithms, divide-and-conquer methods, dynamic programming. Time and space complexity of algorithms, including amortized analysis. Prerequisite: CS 357. (Even S)

**CS 461 Operating Systems (3).** Theory of operating systems. Topics include processes, file systems, memory management and I/O. Prerequisites: or concurrent enrollment in CS 357, EET 340. (Odd F)

**CS 468 Workshop in Computer Science (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**CS 472 Software Engineering (3).** Software specification, design, testing, documentation, maintenance; informal proof methods; team implementation of a software project. Prerequisites: CS 357, 360. (S)

**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 four hours.) Prerequisite: instructor approval.

**CS 493 Topics in Computer Science (1-3).** As announced. (May be repeated for credit if topics are different.)

## Criminal Justice (CJ)

**CJ 102 Introduction to Criminal Justice (3) (NMCCNS CRJI 2103).** 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. (Even F).

**CJ 234 Victimization in American Society (3).** Study of crime victims to understand the physical, psychological and economic impact of crime upon victims, their families and society; review of how the American justice system responds to victims. (F)

**CJ 240 Juvenile Delinquency (3) (NMCCNS CRJI 2603).** Juvenile offender in the criminal justice system; perspectives on delinquency. Prerequisite: SOC 101 or CJ 102. (Even F)

**CJ 245 Corrections (3) (NMCCNS CRJI 2303).** Punishment, penal institutions and reforms in society and history. Prerequisite: SOC 101 or CJ 102. (S)

**CJ/ANTH 255 Forensic Anthropology (3).** A specialized field of study in forensic science focusing on the skeleton in a legal context. Covers how forensic anthropology functions within criminal investigation including location, recovery, documentation, and analysis of bones to decipher individualizing characteristics and identification and interpretation of damage or trauma. Includes the application of techniques to criminal investigation and development of a comprehensive understanding of anthropology in a medicolegal context. (F)

**CJ 258 Criminal Investigations (3).** An introduction to the evolving science of criminal investigations. Examines the scientific, legal and social developments applied to the scientific method in criminal inquiries. (F, S)

**CJ 268 Workshop in Criminal Justice (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**CJ 293 Topics in Criminal Justice (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**CJ 301Criminal Law and the Courts (3).** The role of the courts in the criminal justice system, including substantive and procedural considerations. (F, S)

**CJ 302 Advanced Criminal Investigations (3).** Procedural and legal considerations in processing of criminal evidence, and applied experiences in evidence processing and interpretative techniques. Concurrent enrollment in CJ 302L is required. (S)

**CJ 302L Advanced Criminal Investigations Laboratory (1).** Concurrent enrollment with CJ 302. (S)

**CJ 309 Homicide (3).** Study of patterns and trends in homicide with emphasis on serial, spree killings and mass murder. (S)

**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. (F)

**CJ 312 Criminology (3).** Background and social nature of crime: considers social structure, community factors and criminal careers. Prerequisite: SOC 101 or 212 or CJ 102. (F, S)

**CJ 401 Counter-Terrorism and Law Enforcement (3).** An in-depth examination of critical issues in understanding domestic and international terrorism, including policy developments and investigative trends in contemporary criminal justice related to this issue. (F)

**CJ 402 White Collar Crime (3).** The study of crimes of individuals and groups in trusted social positions in the course of their occupations, crimes of corporations, crimes associated with governance and criminal organizations. (Odd F)

**CJ 403 Women and Crime (3).** Women and their involvement and experiences in the criminal justice system as victims, offenders and employees. (F)

**CJ 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 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 six hours if topics are different.) 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; agency and instructor approval. (F, S, Su)

**CJ 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: CJ 102.

**CJ 493 Topics in Criminal Justice (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: CJ 102.

## Dance (DNC)

**DNC 101 Introduction to Dance (3) (NMCCNS DANC 1013).** Introduction to fundamentals of dance technique, dance history and aesthetics studied through text, video and participation. (F, S)

**DNC 210 Styles in Dance (2).** Basic styles of selected dance forms. A. jazz; B. theatrical; C. tap; D. ballroom; E. modern; F. ballet. (Alt F)

**DNC 293 Topics in Dance (3).** As announced. (May be repeated for credit if topics are different.)

**DNC 410 Styles in Dance (2).** Basic styles of selected dance forms. A. jazz; B. theatrical; C. tap; D. ballroom; E. modern; F. ballet. (S)

**DNC 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four four hours.) Prerequisite: instructor approval.

**DNC 493 Topics in Dance (3).** As announced. (May be repeated for credit if topics are different.)

## Digital Filmmaking (DFM)

**DFM 105 Introduction to Filmmaking (3).** An introduction to the study and practice of filmmaking. Students will study the formal elements of film and complete hands-on filmmaking exercises. (Fee required) (F)

**DFM 109 Introduction to Film Analysis (3).** Addresses the formal elements of film and how to use those elements to "read" a film as a text. Students will be able to apprehend and communicate larger thematic meanings of films independent of surface-level content-based meaning. (S)

**DFM 110 Location Shooting for the Edit (3).** Issues of coverage and composition for short-form independent location filmmaking with special attention to considerations of post-production. Basic camera usage on location; basic storytelling; assessing/utilizing locations for set, light and sound sources; basic editing and DVD authoring. (Fee required). (S)

**DFM 115 Dramatic Analysis (3).** Dramatic structure, script analysis, and the study of beats, rhythms and tempos are covered in the study of both film and play texts. (S)

**DFM 210 DFM Forum (NC).** Meets four times during the semester to facilitate cooperation and communication between students and keep them involved with filmmaking projects. Together with the preproduction and production courses, this course is designed to give all students a program overview and an opportunity to share their work and to learn from the efforts of their colleagues as well as the faculty. (May be repeated for four semesters.) (F, S)

**DFM 293 Topics in Filmmaking (1-3).** As announced. (May be repeated for credit if topics are different.) (TBA)

**DFM 309 Topics in World Cinema (3).** Advanced study of a specific topic (Latin American Cinema, African Cinema, Women in World Cinema, etc.) in world cinema as announced. Readings and screening of significant works will explore the complex ways that politics, geography, economics and history interrelate and are expressed through the medium of film. (Even S)

**DFM 312 Designing the Shot (3).** Use of design principles to better tell the story through composition, camera movement and art direction. Prerequisite: DFM 110 (Fee required) (Odd F)

**DFM 313 Advanced Lighting for Digital Filmmaking (3).** Practical and creative issues for lighting on location and in the studio. Prerequisite: DFM 110 (Fee required) (Even F)

**DFM 314 Production Sound for Digital Filmmaking (3).** Planning and executing the acquisition of production sound including dialogue, environmental sound and sound effects. Prerequisite: MUS 211 (Fee required) (Odd F)

**DFM 320 Sound Design (3).** Aesthetic and editorial issues through the use of editing software to add sound to video. Emotional/symbolic values of sound, issues of timing, dialog replacement, collaborating with others such as composers, sound effect and Foley artists, and post-production workflow. Prerequisite: MUS 211. (Fee required) (Odd S)

**DFM 340 Writing the Screenplay (3).** Screenwriting for short-form narrative (fiction) using preproduction software. Students will learn: fundamental screenplay format for narrative (fiction) films and translating stories and storytelling ideas into the visual medium of film. (S)

**DFM 350 Directing for the Camera (3).** Creative and technical decisions made during the shooting phase of a production. Students will learn: how to administer auditions and cast, how to communicate with actors, how to incorporate actors' contributions to the film and basic storyboarding. Prerequisites: DFM 312, 314; THTR 202. (Fee required) (Odd F)

**DFM 360 Postproduction (3).** Principles and techniques of continuity and montage editing. Theory and practice will meet as students experience hands-on intensives with industry-standard postproduction applications and gain mastery of the art and craft of digital film editing. Prerequisite: DFM 110 or COMM 110. (Fee required) (Odd S)

**DFM 375 Preproduction (3).** All aspects of the filmmaking process up to the production phase including script selection and editing, budget and schedule, scouting and securing locations, shot planning and casting. Prerequisites: DFM 110, 340. (Fee required) (F)

**DFM 376 Production (3).** All aspects of the production and postproduction phase of the filmmaking process including shooting, editing and the creation of deliverable content. Prerequisites: DFM 312, 313, 314, 375. (Fee required) (S)

**DFM 389 Internship in Producing/Production (1-4).** This course will provide opportunities to place aspiring filmmakers with professionals in the region. Forty-five (45) hours work per credit hour. Placements and requirements must be approved by the advisor and director of DFM. (May be repeated for up to 12 hours in the major.) (F, S, Su)

**DFM 409 Film History (3).** Intensive study of the historical, political and cultural evolution of film as an art form. Critical analysis of film genres will be explored. (Even F)

**DFM 410 DFM Forum (NC).** Meets four times during the course of the semester to facilitate cooperation and communication between students and keep them invovled with filmmaking projects. Together with the preproduction and production courses, this course is designed to give all students a program overview and an opportunity to share their work and to learn from the efforts of their colleagues as well as faculty. (May be repeated for two semesters.) (F, S)

**DFM 450 Senior Portfolio (1).** A workshop in which students prepare their resumes, reels and job seeking skills so they are better equipped to seek and secure employment after graduation. (F)

**DFM 475 Preproduction (3).** All aspects of the filmmaking process up to the production phase including script selection and editing, budget and schedule, scouting and securing locations, shot planning and casting. Prerequisite: DFM 376. (Fee required) (F)

**DFM 476 Production (3).** All aspects of the production and post-production phase of the filmmaking process including shooting, editing and the creation of deliverable content. Prerequisites: DFM 320, 350, 360, 475. (Fee required) (S)

**DFM 480 Music Video (3).** Students will explore the music video genre in its original and contemporary expressions. The class will produce works that will address the technical as well as artistic challenges of music video production. (Fee required) (Even S)

**DFM 491 Directed Study (1-3).** Independent study (May be repeated for a maximum of six hours). (TBA)

**DFM 493 Topics in Filmmaking (1-3).** As announced. (May be repeated for credit if topics are different.) (Fee required) (TBA)

## Economics (ECON)

**ECON 200 Survey of Economics (3).** An introductory level course in economics designed for non-business majors. Emphasis is placed on understanding how economic principles apply to domestic and global issues in today's world. (F, S)

**ECON 221 Principles of Macroeconomics (3) (NMCCNS ECON 2113).** Interrelationships involving inflation, unemployment, gross national product, taxes, government spending and the domestic and world monetary systems. Prerequisite: MATH 119 is recommended but not required. (F, S)

**ECON 222 Principles of Microeconomics (3) (NMCCNS ECON 2123).** Economics of resource allocation with applications to the current economic problems of public finance, agriculture, labor and forms of competition. Prerequisite: MATH 119 or 124 or 132 or 202 with a grade of "C" or higher. (F, S)

**ECON 293 Topics in Economics (1-3).** As announced. (May be repeated for six credits if topics are different with instructor and advisor approval.) (TBA)

**ECON 321 Macroeconomics for Business (3).** Study of the nature, causes, measurement and forecasting of fluctuations of the macro economy. Prerequisites: 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: ECON 221, 222. (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: ECON 221, 222; or ECON 200 (non-business majors only). (TBA)

**ECON 402 Introduction to Game Theory (3).** An examination of strategic decision making in an economic setting. Topics include zero-sum games and the Prisoner's Dilemma, game manipulation, risk-aversion and decision making, decision making under uncertainty and application to the real-world. (TBA)

**ECON 407 International Economic Development (3).** Introduction to theories of economic development and current issues regarding economic development specifically economic problems of developing nations. Prerequisites: ECON 221, 222. (TBA)

**ECON 409 International Economics (3).** International trade, commercial policies, economic integration, balance of payments, adjusted mechanisms and international monetary systems. Prerequisites: ECON 221, 222. (TBA)

**ECON 415 Regional Economics (3).** Introduction to economic importance of location for firms, consumers and policy makers. Basic tools, applications and student research. Prerequisites: ECON 221, 222. (TBA)

**ECON 453 Mathematical Economics (3).** Production economics using math skills to delve into factor-factor, product-product and factor-product relationships. Initially, this course will use algebra to develop the skills to take first- and second-order, and cross-partial derivatives and identify locations of relative extremes leading to stages of production and elasticities. Prerequisites: ECON 221 or AG 252; MATH 119 or 124 or 132 or 202 with a grade of "C" or higher. (TBA)

**ECON 489 Internship (3).** The student must complete a minimum of 135 work hours over a minimum of eight weeks on-the-job experience related to the discipline. Grading is satisfactory/unsatisfactory. Check with the internship coordinator for specific requirements. Prerequisite: instructor, academic advisor and dean approval. (F, S, Su)

**ECON 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor, academic advisor and dean approval. (TBA)

**ECON 493 Topics in Economics (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval. (TBA)

# Education

## 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 six hours in BLED 293 and 493 if topics are different.)

**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: 10 hours. (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. Field experience required: 10 hours. Prerequisite: admission to Gateway I. (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. (Odd 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 440 Linguistics for Educators (3).** An introduction to explore linguistics from scientific and educational perspectives. A strong focus on the development of language, the evolution of language, and the acquisition of second and subsequent languages will be related to public school classrooms and information teachers need in order to enhance language development through classroom instruction.

**BLED 468 Workshop in Bilingual Education (1–3).** As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

**BLED/ELED 473 Family, Language and Culture (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 Strategies in Content Areas (3).** The development and incorporation of English as a Second Language materials and practices for instruction in the content areas. Prerequisite: admission to Gateway II. (Even S)

**BLED 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours if topics are different.) Prerequisite: instructor approval.

**BLED 493 Topics in Bilingual Education (1-3).** As announced. (May be repeated for a maximum of six hours in BLED 293 and 493.)

## Education, Elementary (ELED)

**ELED 293 Topics in Elementary Education (1-3).** As announced. (May be repeated for a maximum of six hours in ELED 293 and 493 if topics are different.)

**ELED 405 Literacy and Social Studies Methods for Diverse and Inclusive Classrooms (6).** A variety of educational techniques and strategies with a focus on discovery/inquiry and literacy methods will be applied in inclusive educational settings and throughout the least restrictive environment. Embeds learning across all curricular areas with specific emphasis on language arts, social studies and the arts. Field experience required: minimum 40 hours. ELED 405 and 406 are courses for ELED/SPED majors only. Concurrent enrollment: ELED 406 (required). Prerequisites: RED 375 and admission to Gateway II. (F, S)

**ELED 406 Science and Mathematics Methods for Diverse and Inclusive Classrooms (6).** A variety of educational techniques and strategies with a focus on discovery/inquiry and literacy methods will be applied in inclusive educational settings. Embeds learning across all curricular areas with specific emphasis on science and mathematics. Field experience required. ELED 405 and 406 are courses for ELED/SPED majors only. Concurrent enrollment: ELED 405 (required). Prerequisite: RED 375 and admission to Gateway II. (F, S)

**ELED 407 Teaching and Learning Math and Science (4).** Advanced curriculum course focused on the standards, principles and practices in teaching mathematics and science to young children in preschool through grade three. Concurrent enrollment: ELED 408, 417, 418. Course for early childhood education majors only. Prerequisite: admission to Gateway II. (F, S)

**ELED 408 Teaching and Learning Language Arts (3).** Advanced curriculum course focused on the standards, principles and practices in teaching language arts to young children in preschool through grade three. Concurrent enrollment: ELED 407, 417, 418. Course for early childhood education majors only. Prerequisite: admission to Gateway II. (F, S)

**ELED 417 Teaching and Learning Social Studies, Fine Arts and Movement (3).** The course focuses on the aims, scope and integration of methods of teaching social studies, the fine arts, and movement across the curriculum. Prerequisites: ECE 239, 240. Concurrent enrollment: ELED 407, 408, 418. Course for early childhood education majors only. Prerequisite: admission to Gateway II. (F, S)

**ELED 418 Teaching and Learning Practicum (2).** The field practicum is a co-requisite course with teaching and learning math, science, social studies, fine arts, movement. The field based component of this course will provide experiences that address curriculum content relevant for children ages three through third grade in developmentally and culturally sensitive ways. Field experience required: minimum 60 hours. Concurrent enrollment: ELED 407, 408, 417. Course for early childhood education majors only. Prerequisite: admission to Gateway II. (F, S.)

**ELED 460 Student Teaching: Elementary (6).** Placement in a public school inclusive classroom; brief period of observation followed by gradual assumption of responsibilities and oversight of classroom; instructional planning and delivery; evaluation of learners; communications with parents. Note: seminar days on Portales campus required (not to exceed eight days). Concurrent enrollment in SPED 445 required. Prerequisite: admission to Gateway III (student teaching). (F, S)

**ELED 468 Workshop in Elementary Education (1-3).** As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

**ELED/BLED 473 Family, Language and Culture (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)

**ELED 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**ELED 493 Topics in Elementary Education (1-3).** As announced. (May be repeated for a maximum of six hours in ELED 293 and 493 if topics are different.)

## Education Foundations (EDF)

**EDF 097 Test-Taking Strategies and Skills (1).** Specific test-taking strategies: time use, error avoidance, deductive reasoning; skills to help students improve their scores on standardized tests. Credit will not count toward graduation.

**EDF 105 Introduction to Teaching (3).** Focuses on teachers, learners, curriculum and the social context in which teaching occurs. Course goals are to assist students in making an educated decision about teaching as a career choice, to develop communications and interpersonal skills and to provide opportunities to examine personal values and beliefs about teaching. (F)

**EDF 110 Communication for Educators (3).** Strategies for communicating with students, parents, administrators and the community. Topics include professional writing, public speaking (interpersonal and small group) and diversity in communication styles in educational settings. Note: This course is a general education course within the English section. (F, S)

**EDF 222 Structured Observations of Teaching and Learning (3).** Introduction to the study and practice of teaching and learning. For students interested in pursuing a career in teaching and learning. Required for advancement in the teacher education program. Must be completed with grade of "C" or higher. Concurrent enrollment: EDF 222L. (F, S)

**EDF 222L Structured Observations of Teaching Laboratory (NC).** Students will be placed in K-12 public school settings. Concurrent enrollment: EDF 222. (F, S)

**EDF 268 Workshop in Education Foundations (1-3).** As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

**EDF 293 Topics in Education Foundations (1-3).** As announced. (May be repeated for a maximum of six hours in EDF 293 and 493 if topics are different.)

**EDF 301 Foundations of Education and Learning (3).** Nature, aims, social and cultural foundations of public schools and teaching; developmental milestones and theories of children and youth and their relationship to teaching and learning; legal aspects of schooling. Prerequisites: completion of EDF 222/L with a grade of "C" or higher. (F, S. Su)

**EDF 309 Technology for the Classroom (3).** Prepares prospective teachers for use of technology as an instructional tool in the school curriculum; explores, evaluates and uses technology resources; and begins the process of creating an electronic portfolio to be presented at program completion. Admission to the teacher education program required. Prerequisite: IS 151. (F, S, Su)

**EDF 468 Workshop in Education Foundations (1-3).** As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

**EDF 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**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 six hours in EDF 293 and 493 if topics are different.)

## Education, Reading (RED)

**RED 097 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. Credit not applicable to associate or baccalaureate degrees or to reading certification endorsement. (F, S)

**RED 316 Literacy through Children's and Adolescent Literature (3).** Development of children's and adolescent literacy explored through literature. Literature-based curriculum and student response to literature examined in relation to current K-12 standards. Ideology, theme, content and genre in literature presented as aspects of literacy pedagogy. (F)

**RED 320 Writing Centered Classrooms (3).** Methods of teaching writing in K-12 settings across disciplines. Creating writing centered classrooms by fostering the development of student writers, writing processes and meta cognitive strategies. Prerequisite: ENG 104. Additional coursework in writing is recommended. (S)

**RED 350 Teaching and Learning Reading and Writing I (3).** Primary emphasis on literacy development of all children from PreK to age eight. Authentic assessment and instruction strategies are investigated in the following literacy areas: phonemic awareness, phonics, vocabulary, fluency and comprehension. Exploration of the stages of literacy development and teaching students with diverse abilities including but not limited to learning disabilities, ELL, physically challenged, and social/emotional behavioral issues. Application of Common Core Standards in lesson planning and instruction. Best practice reading theory emphasized. Tutoring children of diverse abilities with a focus on the struggling reader and ELL reader is required on a weekly basis in addition to class hours (approximately 20 hours total). Prerequisite: completed background check and admission to Gateway I. (F)

**RED 375 Teaching and Learning Reading and Writing II (3).** Primary emphasis on literacy development of children from the intermediate elementary grades to middle school. Emphasis on content area literacy, fluency, vocabulary, phonics, reading comprehension, literacy strategies and teaching students with diverse abilities. Review of phonemic awareness and its relation to reading in the intermediate grades. Application of Common Core Standards in lesson planning. Data driven instruction emphasized through authentic reading assessments and instructional strategy application. Best practice reading theory applied. Tutoring children of diverse abilities with a focus on the struggling reader and the ELL reader is required on a weekly basis in addition to class hours (approximately 20 hours total). Prerequisites: successful completion of RED 350, completed background check and admission to Gateway I. (S)

**RED/BLED 438 Language Arts and ESL (3).** Development of listening, speaking, reading and writing skills within a language arts program for bilingual students. (S)

**RED 468 Workshop in Reading (1-3).** As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

**RED 471 Literacy Assessment and Data Driven Instruction (3).** The use of informal and formal assessments of literacy and strategies for evaluating literacy outcomes in the elementary classroom. Evaluation of both formative and summative assessments to inform individual and small group instruction and the use of reading and writing experiences for enhancing children's literacy included. Emphasis on best practice theories and current research as applied to special populations of students including learning disabilities, development delays, second language learners, physically challenged and social/emotional behavioral issues. Tutoring children who struggle with reading is required on a weekly basis in addition to class hours. Field experience required: minimum 15 hours. Prerequisites: RED 350 and completed background check. (F)

**RED 490 Field Studies in Reading (1-3).** (May be repeated for a maximum of six hours.) Prerequisite: instructor approval.

**RED 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**RED 493 Topics in Reading (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**RED 495 Secondary Education Content Area Literacy and Strategies (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). Weekly field experience with students in grades 6-12 required: minimum 15 hours. Prerequisites: completed background check and admission to Gateway II. (F, S)

**RED 496 Elementary Education Content Area Literacy and Strategies (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 conjunction with various content areas (e.g., art literacy, scientific literacy). (S)

## Education, Secondary (SED)

**SED 293 Topics in Secondary Education (1-3).** As announced. (May be repeated for a maximum of six hours in SED 293 and 493.)

**SED 402 Effective Teaching and Learning in Secondary Education (3).** Teaching process with a focus on teacher pedagogical behaviors to support learning for all students. Twenty (20) hours of field experience required. Prerequisites: admission to Gateway II. SED 405 recommended. (F)

**SED 405 Classroom Management, Discipline and Issues in Secondary Education (3).** Effective classroom and behavior management procedures that result in minimizing discipline problems and creating a safe learning environment for all students. Current issues confronting secondary education; students learn how to engage in analysis of critical issues in education. Ten hours of field experience required. Prerequisite: admission to Gateway II. Concurrent enrollment: SED 402 recommended. (F)

**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. Prerequisite: admission to Gateway III. (F, S)

**SED 460 Secondary Education 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. Prerequisite: admission to Gateway III. (F, S)

**SED 468 Workshop in Secondary Education (1-3).** As announced. (May be repeated for a maximum of six hours in all education workshops.)

**SED 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**SED 493 Topics in Secondary Education (1-3).** As announced. (May be repeated for a maximum of six hours in SED 293 and 493.)

## Education, Special (SPED)

**SPED 203 Assessment of Children and Evaluation of Programs (3).** Familiarizes students with culturally appropriate methods/tools, including observation of children with/without disabilities. Development/use of formative/summative evaluation tools and skills for evaluating assessment process involving teachers, professionals, families in process covered.

**SPED 293 Topics in Special Education (1-3).** As announced. (May be repeated for a maximum of six hours in SPED 293 and 493 if topics are different.)

**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. Concurrent enrollment: EDF 222/L recommended. (F, S)

**SPED 320 Planning and Assessment for the Inclusive Classroom (3).** Planning and techniques for formal and informal diagnostic assessment resulting in data-driven instruction, assessment of student characteristics and abilities, and applications of accommodations and modifications for all students, including those with diverse abilities. Field experience required. Concurrent enrollment: SPED 328 (required). Prerequisites: SPED 300 (with a "B" or higher), admission to the Gateway II. (F, S)

**SPED 328 Classroom and Behavior Management: Exceptional Individuals and Inclusive Environments (3).** Major concepts and techniques of effective classroom and behavior management utilizing strategies from theoretical to practical. Lesson planning, development and instruction taught as the most effective tool in supporting positive classroom learning environments. Introduction to Functional Behavior Assessment and Behavior Intervention Planning. Field experience required. Concurrent enrollment: SPED 320 (required). Prerequisites: SPED 300 (with a "B" or higher); admission to the Gateway II. (F, S)

**SPED 401 Young Children with Diverse Abilities (3).** Policies, programs, practices, services appropriate – birth through Grade 3 with delays/disabilities. Understanding/sensitivity of needs/feelings of children/families. Research-based decision-making, DAP, holistic view, cultural sensitivity/competence, activity-based interventions. Legal requirements identified.

**SPED 445 Student Teaching: Special Education (6).** Placement in a public school inclusive classroom with additional exposure to the continuum of Least Restrictive Environment: brief period of observation followed by gradual assumption of responsibilities and control of classroom; instructional planning and delivery; evaluation of learners; development of

IEPs, FBA/BIPs, communications with parents. Note: Seminar days on Portales Campus required (not to exceed eight days). Concurrent enrollment in ELED 460 required. Prerequisite: admission to Gateway III. (F, S)

**SPED 468 Workshop in Special Education (1-3).** As announced. (May be repeated for a maximum of three hours in all education workshops.)

**SPED 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of three hours.) Prerequisite: instructor approval.

**SPED 493 Topics in Special Education (1-3).** As announced. (May be repeated for a maximum of six hours in SPED 293 and 493 if topics are different.)

## Electronics Engineering Technology (EET)

**EET 110 Circuit Analysis I (3).** Fundamental laws and theorems of DC circuits. Topics include Ohm's law, Kirchhoff's laws, analysis of series, parallel and series-parallel circuits, Nodal analysis, Thevenin and Norton equivalent circuits and maximum power transfer. Prerequisite: MATH 107 or MATH 119 or MATH 120 (may be taken concurrently) or ACT math score of at least 24 or SAT math score of at least 530. Concurrent enrollment: EET 110L. (F)

**EET 110L Circuit Analysis I Laboratory (NC).** Concurrent enrollment: EET 110. (F)

**EET 131 Introduction to Engineering with MATLAB (3).** Fundamentals of engineering and problem solving with MATLAB software. Topics include engineering fields, career paths, curriculum and calculations; MATLAB basics, functions and variables, data manipulation, 2D and 3D graphics, user defined functions and program, and numerical techniques. Prerequisite: MATH 107 or MATH 119 or MATH 120 or MATH 124 (may be taken concurrently) or ACT math score of at least 24 or SAT math score of at least 530. (S)

**EET 210 Circuit Analysis II (3).** Fundamental laws and theorems of AC circuits. Topics include sinusoids and phasors, capacitance, inductance, impedance, frequency response, analysis of series, parallel and series-parallel RLC circuits, transformers, Thevenin and Norton network theorems, maximum power transfer and balanced three-phase circuits. Prerequisites: EET 110/L, MATH 120 or MATH 124 (may be taken concurrently). Concurrent enrollment: EET 210L. (S)

**EET 210L Circuit Analysis II Laboratory (NC).** Concurrent enrollment: EET 210. (S)

**EET 237 Semiconductor Devices I (3).** Study of materials for solid state devices such as diodes and transistors, small signal and elementary amplifier analysis. Prerequisites: EET 210/L (may be taken concurrently), MATH 119 or MATH 120 or MATH 124 (may be taken concurrently). Concurrent enrollment: EET 237L. (S)

**EET 237L Semiconductor Devices I 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: MATH 107 or MATH 119 or MATH 124 (may be taken concurrently) or ACT math score of at least 24 or SAT math score of at least 530. 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. Focus on sequential and finite state machines. Analysis of timing characteristics for flip-flops and latches are included. Prerequisites: EET 241/L, MATH 119 or MATH 120 or MATH 124 (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 six hours.) (TBA)

**EET 293 Topics in Engineering Technology (1-3).** As announced. (May be repeated for a maximum of six hours with instructor approval or advisor if topics are different.)

**EET 302 Industrial Electronics (3).** Solid-state devices in industrial applications, Op-amps, Thyristors, Programmable Logic Controllers, DC motors and generators, induction motors and generators, and various electrical and mechanical sensors are studied. Course emphasis is on the motor's principle of operation and application with PLC. Prerequisites: EET 210/L, 237/L. Concurrent enrollment: EET 302L. (Odd F)

**EET 302L Industrial Electronics Lab (NC).** Concurrent enrollment: EET 302. (Odd F)

**EET 310 Linear Systems Analysis (3).** Fundamentals of signals and systems. Topics include: network analysis, analysis of continuous-time and discrete-time systems, sampling theorem, Laplace transform, circuit analysis using Laplace transform frequency response and Bode plots, Fourier series and transform, and transfer function. Prerequisites: EET 210/L; MATH 124. Concurrent enrollment: EET 310L. (Odd F)

**EET 310L Linear Systems Analysis Laboratory (NC).** Concurrent enrollment: EET 310. (Odd F)

**EET 337 Semiconductor Devices II (3).** A continuation of Semiconductor Devices I. Topics include BJT modeling, small signal analysis and multi-staging amplifiers; differential and operational amplifiers, analysis and design, BJT frequency response. Prerequisites: EET 237/L. Concurrent enrollment: EET 337L. (F)

**EET 337L Semiconductor Devices II Laboratory (NC).** Concurrent enrollment: EET 337. (F)

**EET 340 Introduction to Computer Organization and Architecture (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/L or CS 123. (F)

**EET 342 Modern Computer Architecture (3).** Concepts include advanced topics such as microprogrammed control, parallel processing, pipelining, memory hierarchy and memory mapping, and review of new processor architectures. Prerequisite: EET 340. (S)

**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/L. Concurrent enrollment: EET 357L. (Even F)

**EET 357L Electronic Communications I Laboratory (NC).** Concurrent enrollment: EET 357. (Even F)

**EET 402 Renewable Energy Technology (3).** An introduction and comprehensive overview of renewable energies, including geothermal, wind power, solar power, fuel cells and hydropower. Topics include wind power, photovoltaic power, wind energy distribution, wind power system solar photovoltaic power system and energy storage. Prerequisites: EET 210, 237. (Even F)

**EET 402L Renewable Energy Technology Laboratory (NC).** Concurrent enrollment: EET 402 (Even F)

**EET 421 Special Problems (1-2).** May be repeated for a maximum of six hours.

**EET 437 Semiconductor Devices III (3).** A continuation of Semiconductor Devices II. The materials covered include FET biasing and modeling, FET small signal analysis, transistors frequency response, compound configurations, classes of amplifiers, power amplifiers and voltage regulators. Prerequisites: EET 337/L. Concurrent enrollment: EET 437L. (Even S)

**EET 437L Semiconductor Devices III Laboratory (NC).** Concurrent enrollment: EET 437. (Even S)

**EET 441 Circuit Design with PLDs (3).** 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. (Odd F)

**EET 441L Circuit Design with PLDs Laboratory (NC).** Concurrent enrollment: EET 441. (Odd F)

**EET 450 Control Systems (3).** Feedback theory of control systems and the principles of continuous and discrete control systems. Prerequisites: 310/L, 337/L. Concurrent enrollment: EET 450L. (Even S)

**EET 450L Control Systems Laboratory (NC).** Concurrent enrollment: EET 450. (Even S)

**EET 457 Electronic Communications II (3).** Advanced materials within modern electronic communications. Materials include microwave devices, fiber optics and radio-wave propagation. Digital and data communication and system noise sources are also investigated. Prerequisites: EET 357/L. Concurrent enrollment: EET 457L. (Odd S)

**EET 457L Electronic Communications II Laboratory (NC).** Concurrent enrollment: EET 457. (Odd S)

**EET 468 Workshop in Engineering Technology (1-3).** As announced. (May be repeated for a maximum of six credits if topics are different.) (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 340 (May be taken concurrently.) Concurrent enrollment: EET 472L. (Even F)

**EET 472L Microprocessor and Microcomputer Interfacing Laboratory (NC).** Concurrent enrollment: EET 472. (Even F)

**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: department committee approval.

**EET 490 Capstone (3).** Engineering Technology project with particular emphasis on analysis, design, documentation and application to one or more practical problems. Prerequisites: EET 242/L, 337/L, 357/L. (Odd S)

**EET 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of six credits with instructor/advisor approval.)

## Emergency Management (EMGT)

**EMGT 302 Introduction to Emergency Management (3).** Examines concepts and principles of community risk assessment, planning, and response to fires and natural and human-caused disasters, including National Incident Management System--Incident Command Systems (NIMS ICS), mutual aid and automatic response, training and preparedness, communications, civil disturbances, terrorist threats/incidents, hazardous materials planning, mass casualty incidents, natural disaster preparedness, response, mitigation and recovery. (Odd F)

**EMGT 303 Emergency Services Administration and Management (3)**. A progressive primer for students who want more knowledge about fire and emergency services administration. Demonstrates the important skills necessary to manage and lead a fire and emergency services department through the challenges and changes of the 21st century. (Even S)

**EMGT 304 Personnel Management (3).** Relationships and issues in personnel administration and human resource development within the context of emergency services related organizations. (Even F)

**EMGT 305 Applications of Fire Research (3).** Basic principle of research and methodology for analyzing current fire related research. A framework for conducting and evaluating independent research. (Odd S)

**EMGT 306 Fire Prevention Organization and Management (3).** Factors that shape fire risk and the tools for fire prevention, including risk reduction education, codes and standards, inspection plans review, fire investigation, research, master planning, various types of influences and strategies. (Even S).

**EMGT 310 Disaster Response (3).** Context of disaster response, response functions, assessment, resource mobilization and adjudication, and emergency operations center (EOC) operations. (Even S)

**EMGT 312 Disaster Recovery (3).** Processes for short- and long-term recovery for individuals, families and communities; provision of recovery assistance by both public and voluntary sectors. (Even F)

**EMGT 330 Systems Operations (3).** Survey of all aspects of healthcare operations within a highly regulated environment to include program management, EMS, community paramedic and mobile healthcare. Review of both federal and state laws and rules, as well as best practices in service control. (Odd F)

**EMGT 400 Emergency Preparedness (3).** Preparedness frameworks and strategies; techniques of emergency operations planning, exercise design and evaluation, and public education. (Odd F)

**EMGT 401 Homeland Security (3).** Issues related to and planning for Homeland Security Prevention, Preparedness, Response and Recovery will be examined. (Odd Su)

**EMGT 402 Legal, Political and Regulatory Issues (3).** Examines the legal, political and regulatory issues of fire, emergency services and emergency management agencies. (Odd S)

**EMGT 403 Community Risk Reduction for Fire and Emergency Services (3).** A theoretical theme framework for the understanding of the ethical, sociological, organizational, political and legal components of community risk reduction and a methodology for the development of a comprehensive community risk reduction plan. (Even F)

**EMGT 405 Public Health Emergencies (3).** Explores the emerging role of public health in emergencies and the relationship between public safety and public health. Bioterrorism and pandemic prevention, threats, preparedness and consequence management will be discussed and best practices for response developed. (Even Su)

**EMGT 410 Hazard Mitigation (3).** Mitigation concepts, implementation approaches and planning. (Odd S)

**EMGT 475 Capstone in Emergency Management (3).** Integration and synthesis of theory and practice for emergency management. Prerequisite: instructor approval. (Su)

**EMGT 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**EMGT 493 Topics in EMGT (3).** As announced (e.g., terrorism and consequence management; public funding and grant writing). (May be repeated for a maximum of six hours if topics are different).

## English (ENG)

**ENG 097 Basic Writing Skills (3).** Specific instruction in basic composition, sentence construction, paragraph development and introduction to the essay. Class format includes individualized instruction. Credit not applicable to associate or baccalaureate degrees. Must earn grade of "C" or higher. (F, S)

**ENG 102 English Composition (3) (NMCCNS ENGL 1113).** Specific instruction in college-level reading and writing, various types of academic essays, writing as a process, critical thinking, close reading and standards of academic discourse. Placement by ACT score. Must earn grade of "C" or higher. (F, S, Su)

**ENG 104 English Composition and Research (3) NMCCNS ENGL 1123).** 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 grade of "C" or higher. Prerequisite: ENG 102 with a grade of "C" or higher. (F, S, Su)

**ENG 205 Introduction to Poetry and Fiction Writing (3).** Basics of writing poetry and fiction through talks on craft, short writing exercises, assignments and discussion of student work. (F)

**ENG 211 Introduction to Literature (3) (NMCCNS ENGL 2213).** Elements of the short story, the novel, poetry and drama: literary terms, basic techniques of each literary form; practice in writing about literature. (F, S)

**ENG 221 British Literature Survey I (3) (NMCCNS ENGL 2413).** Overview of British literature from Beowulf to the eighteenth century. (F)

**ENG 222 British Literature Survey II (3) (NMCCNS ENGL 2423).** Overview of British literature from pre-romanticism to the contemporary period. (S)

**ENG 251 American Literature Survey I (3) (NMCCNS ENGL 2513).** Overview of regional (now the U.S.) literature from their beginnings in pre-colonial Native American oral narratives to 1865. (F)

**ENG 252 U. S. Literature Survey II (3) (NMCCNS ENGL 2523).** An overview of U.S. American literatures from 1865 to the present. (S)

**ENG 268 Workshop in English (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**ENG 293 Topics in English (1-3).** As announced. (May only be repeated for credit twice if topics are different. If topics are the same, they will only count once.)

**ENG 301 Cinema Studies (3).** Study of cinema with a focus on Classic Hollywood Film. Includes history, genres, "reading" film and a basic introduction to film theory. Prerequisite: ENG 104. (Odd S)

**ENG/ANTH/SPAN 303 Storytelling at the Crossroads: Latin American Literature and Science (3).** This interdisciplinary course examines the production of knowledge in the border zone between literature and social sciences, through a regional and cultural focus on Latin America. Experimental texts are examined including those that blur the following genres: novels, mysteries, science fiction, ethnography, autobiography, music and life history. Fulfills General Education Global/ Diversity Requirement. (Odd S)

**ENG 305 Report Writing (3).** Clarifying, reducing, expanding and synthesizing materials for varied reports and technical reports. Audience adaptation, organization, style and mechanics explored. Significant analytical term report required. Prerequisite: ENG 104. (F, S)

**ENG 320 Trends in Creative Writing (3).** Addresses current issues of craft in fiction/creative-nonfiction/poetry and deals with new and evolving forms, from hybrid genres to the novel-in-tweets, and from the blurring lines between fiction and essay writing to the new success of the graphic novel. Prerequisite: ENG 104. (Even S)

**ENG 325 Professional and Technical Writing (3).** Techniques and forms of professional and technical writing, including reports, proposals, letters and other media. Prerequisite: ENG 104. (F, S)

**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. Prerequisite: ENG 104. (Even S)

**ENG 335 Creative Writing (3).** Concentration on one genre of creative writing; from fiction, poetry or drama/screenplay. Prerequisite: ENG 104. (S)

**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 104. (Even F)

**ENG 378 World Literature (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. Prerequisite: ENG 104. (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. Prerequisite: ENG 104. Fulfills General Education Global/ Diversity Requirement. (Odd S)

**ENG 401 Creative Non-Fiction (3).** A writing intensive class focused on the emerging genre of creative non-fiction and featuring concentrated work with grammar, semantics and structure. Includes writing for essay collections, magazines and journals. Prerequisite: ENG 104. (F)

**ENG 413 Literature of the Southwest (3).** Literature by resident authors in the Southwest; writings about the social institutions of the country. Prerequisite: ENG 104. (Even 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. Prerequisite: ENG 104. (Even F, Odd S)

**ENG 430 British Authors/Genres/Themes (3).** Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. Prerequisite: ENG 104. (Odd S, Odd F)

**ENG 441 Shakespeare (3).** Close readings of Shakespeare's works. Prerequisite: ENG 104. (Even F)

**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 104. (Odd F, Even S)

**ENG 468 Workshop in English (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**ENG 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**ENG 493 Topics in English (1-3).** As announced. (May be repeated for credit if topics are different.)

**ENG 494 Senior Capstone (1).** Integrated comprehensive review of English literary concepts. Weekly activities with emphasis on building a portfolio and creating an appropriate resume to position students well in preparation for graduate study or professional career. Skills assessment will allow students to identify and address any proficiency or performance weakness before graduation. (S)

**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 104. (Odd S)

## Exchange Study Programs (EXCH)

**EXCH 300 International Educational Exchange Study (9-18).** Students study in programs abroad.

**EXCH 305 National Student Exchange (1-18).** Students study at other universities in the United States.

# Family and Consumer Sciences

## Early Childhood Education (ECE)

**ECE 107 Health, Safety and Nutrition (2).** Standards and practices that promote children's physical and mental well-being, sound nutritional practices and maintenance of safe learning environments. Information for developing sound health and safety management procedures for indoor and outdoor learning environments for young children. Examines the many scheduling factors important for children's total development, healthy nutrition, physical activity and rest. (S)

**ECE 201 Introduction to Language, Literacy and Reading (3).** Prepares early childhood professionals for promoting children's emergent literacy and reading development. Addresses ways to foster young children's oral language development, phonemic awareness, and literacy problem solving skills, fluency, vocabulary, and comprehension. Foundation to become knowledgeable about literacy development in young children. Instructional approaches and theory-based and research-based strategies to support the emergent literacy and reading skills of Native speakers and English language learners. Prerequisite: admission to Gateway II. (F)

**ECE 220 Professionalism in Early Childhood (2).** Broad-based orientation to the field of early care and education. Early childhood history, philosophy, ethics and advocacy; basic principles of early childhood systems; multiple perspectives on early care and education. Professional responsibilities such as cultural responsiveness and reflective practice. (F)

**ECE 239 Curriculum Development through Play: Birth through Pre-K (3).** Places play at the center of curriculum in developmentally appropriate early childhood programs. Addresses content relevant for children birth through age four in developmentally and culturally sensitive ways of integrating content into teaching and learning experiences. Adapting content areas to meet the needs of children with special needs and the development of IFSPs. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills and adaptive learning for children, birth through age four. Concurrent Enrollment 239L. Prerequisite: admission to Gateway II. (F)

**ECE 239L Curriculum Development through Play: Birth through Pre-K Practicum (2).** Provides experiences that address curriculum content relevant for children birth through Pre-K in developmentally, and culturally sensitive, ways of integrating content into teaching and learning experiences. Adapting content areas to meet the needs of children with special needs and the development of IFSPs. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills and adaptive learning for children, birth through Pre-K. Concurrent enrollment: ECE 239. (F)

**ECE 240 Curriculum Development and Implementation: Age 3 through Grade 3 (3).** Developmentally appropriate curriculum content in early childhood programs, age 3 through Grade 3. Development and implementation of curriculum in all content areas, including literacy, numeracy, the arts, health and emotional wellness, science, motor and social skills. Adapting content areas to meet the needs of children with special needs and the development of IEPs. Concurrent enrollment: ECE 240L. Prerequisites: ECE 239/L; admission to Gateway II. (S)

**ECE 240L Curriculum Development and Implementation: Age 3 through Grade 3 Practicum (2).** Provides experiences that address developmentally appropriate curriculum content in early childhood programs, age 3 through Grade 3. Development and implementation of curriculum in all content areas, including literacy, numeracy, the arts, health and emotional wellness, science, motor and social skills is emphasized. Information on adapting content areas to meet the needs of children with special needs and the development of IEPs. Concurrent enrollment: ECE 240. (S)

**ECE 265 Guiding Young Children (3).** Various theories of child guidance and the practical applications of each. Developmentally appropriate methods for guiding children and effective strategies and suggestions for facilitating positive social interactions. Strategies for preventing challenging behaviors through the use of environment, routines and schedule. Emphasis on helping children become self-responsible, competent, independent and cooperative learners; including families as part of the guidance approach. Prerequisite: admission to Gateway I. (S)

**ECE 280 Family and Community Collaboration (3).** Examines involvement of families and communities from diverse cultural and linguistic backgrounds in early childhood programs. Information on collaborative relationships with families in early childhood settings. Families' goals and desires for their children supported through culturally responsive strategies. Prerequisite: admission to Gateway I. (S)

**ECE 302 Emergent Literacy (3).** Prepares early childhood professionals to study literacy development, specifically oral language, writing and reading. Focuses on children from birth through Pre-K, including children with diverse abilities. Addresses: 1) Recent theory and research that translates into practical strategies, assessment materials and preparations of literacy rich environments, 2) Socio-cultural contexts in which children develop literacy, 3) Culturally, linguistically and developmentally appropriate literacy curricula, 4) Processes used to determine the appropriateness of various literacy strategies, 5) Assessment, evaluation and accountability, and 6) Literacy leadership. Prerequisite: admission to Gateway II. (S)

**ECE 320 Teaching Reading and Writing Practicum (1).** Experience in a K-3 classroom developing skills in organizing a literature rich environment, planning effective literacy experiences and assessment. Concurrent enrollment: RED 350. Prerequisite: admission to Gateway II. (F)

**ECE 400 Reflective Practice Seminar (1).** Defines and implements basic elements of reflective practice and quality programming; ability to use relationship-based approaches supporting all infants and toddlers in safe, healthy, responsive, caring environments. Concurrent enrollment: ECE 407. (F, S, Su)

**ECE 402 Advanced Caregiving for Infants and Toddlers (3).** Defines and implements developmentally appropriate elements of quality programming in safe, healthy, responsive, and caring environments. Emphasizes strong nurturing relationships, cultural competence, recognition of diverse learning needs and styles, appropriate guidance techniques, and partnership with families, cultures and community. Advances ability to observe, discuss and implement elements of quality programming in home, small-group or whole-group care situations. (F)

**ECE 403 Infant and Toddler Assessment and Evaluation (3).** Provides understanding of goals/benefits of observation and assessment of infants/toddlers; tools and approaches for observation, documentation, and other methods used for assessment; assessment partnerships with families and professionals; responsible assessment (confidentiality, avoidance of bias, and other ethical standards); and use of diagnostic tools to assess children with/without diverse abilities. Concurrent enrollment: ECE 404. (F)

**ECE 404 Practicum: Infant and Toddler Assessment and Evaluation (1).** Direct advanced experiences for promotion of the health, well-being and development of all infants and toddlers within the context of family, culture and society. Concurrent enrollment: ECE 403. (F)

**ECE 405 Advanced Knowledge and Practical Application: Strategies and Techniques to Support Early Learning (3).** Supports understanding and utilizing strategies characteristic of high quality infant/toddler environments such as components of schedules and routines, transitions, cultural and developmentally appropriate materials and activities; physical settings including space and furnishings. (S)

**ECE 406 Practicum: Advanced Knowledge and Practical Application (2).** Opportunities to apply knowledge gained from concurrent course. Skill application in planning developmental appropriate learning experiences for children birth to three and their families, to include children with special needs. (S)

**ECE 407 Internship (8).** Hands-on experiences with families with infants/toddlers in homes and community-based programs supported by human service organizations. Minimum of 180 contact hours under direct supervision with families, infants/toddlers, practitioners and other outside agencies providing supports and services. Concurrent enrollment: ECE 400. (F, S, Su)

**ECE 481 Research in Child Growth, Development and Learning (3).** Integration of major theories of child development focusing on contemporary research in all aspects of development, including bio-ecological, social-affective, cognitive-learning, language-cultural and methodological aspects of research in early childhood development and education. Prepares early childhood professionals to use empirically-based research to inform teaching young children as well as to be researchers in their own classrooms. Prerequisite: admission to Gateway II. (S)

**ECE 483 Integrated Curriculum: Birth through Pre-K (3).** Developmentally appropriate content, learning environments, and curriculum implementation for children birth through Pre-K. Integration of content areas (the arts, literacy, math, health/emotional wellness, science, social studies, motor and adaptive living skills) and development of rich learning environments for infants, toddlers and preschool children. Prerequisite: admission to Gateway II.

**ECE 485 Integrated Curriculum: Birth through Pre-K Practicum (4).** Addresses curriculum content relevant for children birth through age four in developmentally and culturally sensitive ways; integrates content into teaching and learning experiences in natural environments and center-based programs. Adapts content areas to meet needs of children with disabilities; develops IFSPs. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills and adaptive learning for children. Prerequisite: admission to Gateway II. (F, S, Su)

**ECE 487 Student Teaching in Early Childhood Education (12).** Placement in an early childhood education classroom; brief period of observation followed by gradual assumption of responsibilities and management of classroom; instructional planning and implementation, assessment of learners and communicating with parents. Prerequisite: admission to Gateway III. (F, S)

**ECE 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of six hours.) (F, S, Su)

**ECE 493 Topics in Early Childhood Education (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

## Family and Consumer Sciences (FCS)

**FCS 101 Orientation and Careers (1).** An introduction to the field of family and consumer sciences and its many careers. (F)

**FCS 118 Human Nutrition (3).** Introductory study of the science of nutrition including a study of the essential nutrients, their functions, their food sources and their influence on growth, development, maintenance and overall human health. Includes personal application through goal setting and food intake analysis. (S)

**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. (F)

**FCS 213 Food Science (2).** Food science principles integrated through the study of theoretical and scientific issues, and the practical aspects of food selection, preparation, storage, sanitation and costing. Can be taken online with instructor approval. Concurrent enrollment: FCS 213L. (OddF)

**FCS 213L Food Science Laboratory (1).** Concurrent enrollment: FCS 213. (Odd F)

**FCS 221 Child Growth, Development and Learning (3).** Young children, prenatal through age eight, provides students with the theoretical foundation for becoming competent early childhood professionals. Includes knowledge of how young children grow, develop and learn. Major theories of child development are integrated with all domains of development, including biological-physical, social, cultural, emotional, cognitive and language. The adult's role in supporting each child's growth, development and learning. (F)

**FCS 234 Culinary Nutrition (3).** Science of nutrition and current dietary recommendations combined with strategies and techniques used to prepare healthful and appetizing food. Areas of study include the essential nutrients, proper portioning, calculation of meal nutrition, menu development, modification and analysis, and meeting the specialized dietary and health needs of individuals and groups. (Even F)

**FCS 268 Workshop in Family and Consumer Sciences (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

**FCS 293 Topics in Family and Consumer Sciences (1-3).** As announced (May be repeated for a maximum of three credits.) (TBA)

**FCS 304 Fashion Analysis (2).** Study of apparel quality from a consumer perspective. Includes basic fiber analysis, fashion production process and quality garment assembly. Can be taken online with instructor approval. Concurrent enrollment: FCS 304L (Even F)

**FCS 304L Fashion Analysis (1).** Concurrent enrollment: FCS 304. (Even F)

**FCS 318 Nutrition, Health and Fitness (3).** Associations between nutrition, health and exercise concepts, and practical applications. Role of carbohydrates, fats and proteins on energy utilization during exercise; achieving healthy body weight, body composition, importance of fluid intake on performance; and choosing a diet appropriate for individual physical activity levels. Investigates current nutrition research. (F)

**FCS 323 Techniques for Effective Parenting (3).** The parent/child relationship with emphasis on communication skills, guidance techniques and methods. (Even 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. (Odd S)

**FCS 335 Vegetarian/Vegan Cookery (2).** Types of vegetarianism. Adaptation of meat recipes for vegetarians; seasonings; incorporating soy and wheat into vegetable dishes. Menu development. Tasty low fat/low sugar meals including desserts. Concurrent enrollment: FCS 335L (Even S)

**FCS 335L Vegetarian/Vegan Cookery Laboratory (1).** Concurrent enrollment: FCS 335. (Even S)

**FCS 348 Food and Cultures (3).** Traditions and trends of health, food and nutrition of ethnic groups in the United States. Food habits are addressed along with the history and beliefs that influence such habits. (Odd F)

**FCS 353 Interior Design (3).** Practical application of design elements and principles in selection, coordination and arrangement of home interiors and furnishings. Budgetary considerations are studied. (Odd S)

**FCS 356 Nutrition for Women and Children (3).** Nutritional needs, status and problems during pregnancy, infancy, childhood and adolescence. (Even 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. (Odd Su)

**FCS 404 Community Nutrition (3).** Study of community nutritional care and health. Topics covered include: factors affecting food-related behaviors; nutritional requirements of diverse groups and populations; assessment of nutrition problems and needs; and nutrition intervention programs. Examination and evaluation of scientific research and public nutrition policy. (Even S)

**FCS 405 Nutritional Influences on Health (3).** Current research on the nutritional results of social and economic influences on food choices, including fad diets and nutrition for athletic performance. Strategies for influencing positive food choices. (Odd S)

**FCS 410 Nutrition and Aging (3).** Nutritional needs, status and problems of the elderly. (Odd S)

**FCS 421 Special Problems (1-2).** (May be repeated for a maximum of four hours.) (TBA)

**FCS 425 Vitamins and Minerals (3).** Water and fat-soluble vitamins, macro minerals and trace minerals in human nutrition. Emphasis includes absorption, metabolism, food source, dietary recommendations, deficiencies and nutrient interactions. Implications for health promotion and disease are explored. (Even 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. (Even S)

**FCS 468 Workshop in Family and Consumer Sciences (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

**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. (180 hours minimum). Includes completion of capstone portfolio. This course is graded S/U. Prerequisite: completion of 19 hours of FCS classes; Family and Consumer Sciences department approval prior to registration; special request form needed. (F, S, Su)

**FCS 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) (F, S, Su)

**FCS 493 Topics in Family and Consumer Sciences (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

## Finance (FIN)

**FIN 201 Principles of Finance (3) (NMCCNS FIN 2113).** 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. Prerequisites: ACCT 201; MATH 119 or 124 or 132 or 202 with a grade of "C" or higher. (F, S)

**FIN 293 Topics in Finance (1-3).** As announced. (May be repeated for a maximum of six credits with instructor and advisor approval if topics are different). (TBA)

**FIN 315 Managerial Finance I (3).** Business finance with emphasis on the corporation methods and instruments of financing, time value of money, risk and return, valuation, capital budgeting and cost of capital. Prerequisites: Completion of all foundation courses. (F, S, Su)

**FIN 317 Financial Modeling (3).** Techniques and applications in financial modeling applied to accounting and finance problems using Excel or other "off the shelf" software. Prerequisite: completion of or concurrent enrollment in FIN 315. (F)

**FIN 319 Managerial Finance II (3).** Financial planning, leverage and capital structure, dividend policy, short-term financing, consolidation, divestitures, reorganization, business failures and other advanced topics such as hybrids and derivative securities and international managerial finance. Prerequisite: FIN 315; FIN 317 is not required but is recommended. (S)

**FIN 320 Commercial Bank Management (3).** An introduction to the management of a financial institution, with a comparison of commercial banks, savings and loan institutions, and credit unions. Topics include asset and liability management,

credit analysis, loan quality and lending standards, within a changing economic environment. Prerequisite: completion of or concurrent enrollment in FIN 315. (TBA)

**FIN 323 Real Estate (3).** Real estate as an academic and practical discipline; designed to introduce students to theory principles, practices, problem-solving and decision-making; techniques applicable to purchase, transfer, lease, financing, appraisal and brokerage in land and buildings. Prerequisite: FIN 315. (TBA)

**FIN 413 International Finance (3).** Builds a strong foundation on the relationship among international financial markets. Included are exchange rate determination and parity conditions across countries with the focus on the multinational firm. The multinational firm will be carefully examined with respect to working capital, capital budgeting, cost of capital, economic exposure, transaction exposure, translation exposure and financial statement consolidation. Prerequisite: FIN 315. (TBA)

**FIN 432 Investment Portfolio Management (3).** A modern approach to risk analysis in the construction and management of investment portfolios, emphasizing practical and theoretical dimensions. Prerequisite: FIN 315. (TBA)

**FIN 451 Futures and Options (3).** Comprehensive study of futures and options including commodities, currencies and different investment instruments and mechanisms. Includes various trading techniques, the use of these markets for price discovery and speculative risk avoidance (hedging). Prerequisite: FIN 315. (TBA)

**FIN 472 Finance Problems (3).** A capstone course for students with a finance emphasis that focuses on finance issues and problems associated with domestic and international firms. Topics include cases that cover corporate governance, financial analysis and forecasting, estimating the cost of capital, capital budgeting and resource allocations, managing the firm's equity and managing corporate capital structure. Prerequisites: FIN 315; FIN 317 is not required but is recommended. (TBA)

**FIN 489 Internship (1-3).** The student must complete a minimum of 135 work hours over a minimum of eight weeks on-the-job experience related to the discipline. Grading is satisfactory/unsatisfactory. Check with the internship coordinator for specific requirements. Prerequisite: instructor, academic advisor and dean approval. (F, S, Su)

**FIN 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisites: instructor, academic advisor and dean approval. (TBA)

**FIN 493 Topics in Finance (1-3).** As announced. (May be repeated for a maximum of six hours with instructor approval if topics are different.) Prerequisite: instructor approval. (TBA)

## French (FR)

**FR 101 Beginning French (4) (NMCCNS FREN 1114).** Development of speaking, reading and writing skills and introduction to linguistic structures in a cultural context. (F)

**FR 102 Continuation of Beginning French (4) (NMCCNS FREN 1124).** Second semester of beginning French. Prerequisite: FR 101 or equivalent (consult with instructor). (S)

**FR 201 Intermediate French (3) (NMCCNS FREN 2113).** 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) (NMCCNS FREN 2123).** 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 if topics are different.)

**FR 293 Topics in French (1-3).** As announced. (May be repeated for credit if topics are different.)

**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 six credits with instructor approval.) 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 six credits without repeating listed content areas with instructor approval.) Prerequisite: FR 202. (S)

**FR/SPAN 436 Teaching of Modern Languages (3).** For students certifying in elementary and/or secondary education as language teachers. (Odd S)

**FR 468 Workshop in French (1-3).** As announced. (May be repeated for a maximum of six credits if topics are different.)

**FR 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four credits.) Prerequisite: instructor approval.

**FR 493 Topics in French (1-3).** As announced. (May be repeated for credit if topics are different.)

## Geography (GEOG)

**GEOG/ANTH 103 Humans and Their Environments (3) (NMCCNS GEOG 1113).** The relationship between natural environment and human activities. A basic introduction to geography. (F, S)

**GEOG/ANTH 233 People and Cultures of the World (3) (NMCCNS GEOG 1213).** The diverse societies that exist in various geographical areas of the world, with emphasis on understanding relationships between cultural systems and natural environments.

**GEOG/GEOL 304 Geomorphology (3).** The origin and development of landforms and relationship of geomorphic principles to human activities. One or more field trips required. Prerequisite: GEOL 151/L. Concurrent enrollment: GEOL 304L. (Even S)

**GEOG/GEOL 304L Geomorphology Laboratory (1).** Laboratory analysis of landforms and topographic features; topographic maps and photo interpretation. Three hours laboratory per week. Concurrent enrollment: GEOL 304. (Even S)

## Geology (GEOL)

**GEOL 113 The Geological Environment (3) (NMCCNS ENVS 1113).** Geological processes and hazards, resources and environmental problems including pollution, global warming and waste disposal. For non-majors only. Concurrent enrollment: GEOL 113L. (F, S)

**GEOL 113L The Geological Environment Laboratory (1) (NMCCNS ENVS 1111).** Identification of minerals and rocks, topographic maps, earthquakes, flooding, resources, water quality and other environmental issues. Concurrent enrollment: GEOL 113. (F, S)

**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. Concurrent enrollment: GEOL 123L. (S)

**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. (S)

**GEOL 151 Physical Geology (3) (NMCCNS GEOL 1113).** 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) (NMCCNS GEOL 1111).** Materials and processes of the solid earth. Three hours laboratory work per week. Concurrent enrollment: GEOL 151. (F)

**GEOL 152 Historical Geology (3) (NMCCNS GEOL 1213).** Evolution of the earth's surface and the biosphere; ancient environments and plate tectonics. A field trip is required. Prerequisites: GEOL 113/L or 151/L. Concurrent enrollment: GEOL 152L. (S)

**GEOL 152L Historical Geology Laboratory (1) (NMCCNS GEOL 1211).** Fossils, geological environments and processes. Three hours laboratory work per week. Concurrent enrollment: GEOL 152. (S)

**GEOL 293 Topics in Geology (1–3).** As announced. (May be repeated for credit with advisor approval if topics are different.)

**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. Prerequisite: GEOL 151/L. Concurrent enrollment: GEOL 304L. (Odd S)

**GEOL 304L Geomorphology Laboratory (1).** Laboratory analysis of landforms and topographic features; topographic maps and photo interpretation. Three hours laboratory per week. Concurrent enrollment: GEOL 304. (Odd S)

**GEOL 305 Earth Materials (3).** Fundamentals of mineralogy and petrology. Origin, classification, description of minerals and rocks and analytical methods used in mineralogy and petrology. Prerequisite: GEOL 151/L. (Odd F)

**GEOL 305L Earth Materials Laboratory (1).** Identification and analysis of minerals and rocks. Practical application of polarized light microscopy and X-ray techniques. Prerequisite: GEOL 151/L. (Odd F).

**GEOL 311 Stratigraphy and Sedimentation (3).** Correlation of stratigraphic units; interpretation of ancient environments from the sedimentary rock records; methods of stratigraphic and sedimentological analysis. A field trip is required. Prerequisites: GEOL 151/L; GEOL 152/L is recommended. Concurrent enrollment: GEOL 311L. (Odd F)

**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. (Odd F)

**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/L. Concurrent enrollment: GEOL 312L. (Odd 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. (Odd S)

**GEOL 410 Environmental Geology (3).** The human relationship to the geologic environment: earth materials and processes; geologic hazards and emergency planning; air, water and soil pollution; environmental toxicology. Prerequisite: GEOL 151/L. (Odd S)

**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. Prerequisite: GEOL 305/L. Concurrent enrollment: GEOL 417L.

**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).** Low temperature geochemistry. Principles of thermodynamics, acid-base equilibria, oxidation-reduction, and organic geochemistry applied to natural systems. Water, soil and air pollution, environmental mineralogy, hazardous waste and toxicology. Prerequisites: GEOL 113 or 151; CHEM 151/L, 152/L. (Even S)

**GEOL/CHEM 454 Geochemistry (3).** Application of chemical principles to the study of geologic systems, aqueous geochemistry; crystal chemistry; surface chemistry; thermodynamics; oxidation-reduction; crystal chemistry; surface chemistry; thermodynamics; oxidation-reduction; radioactive and stable isotopes; kinetics. Prerequisites: CHEM 151/L, 152/L. (Even F)

**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; instructor approval. (F, S)

**GEOL/BIOL/CHEM/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.

**GEOL 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of four hours.)

**GEOL 493 Topics in Geology (1–3).** As announced. (May be repeated for credit if topics are different.)

## Greek Courses (GR)

**GR 201 Beginning Greek (4).** Fundamentals of the Greek language. (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. (S)

**GR 268 Workshop in Greek (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**GR 293 Topics in Greek (1-3).** As announced. (May be repeated for credit if topics are different.)

**GR 301 Intermediate Greek (3).** The Greek language with reference to the Gospels of John and Matthew. Prerequisite: GR 202. (F)

**GR 302 Continuation of Intermediate Greek (3).** Continuation of GR 301. The Greek language with reference to Paul's writings. Prerequisite: GR 301. (S)

**GR/REL 423 Advanced Greek Translation and Exegesis (2).** Selected passages from the New Testament and other Greek writings. Prerequisite: GR 302. (F)

**GR/REL 424 Advanced Greek Translation and Exegesis (2).** Continuation of GR 423. Prerequisite GR 423. (S)

**GR 468 Workshop in Greek (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)
**GR 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.)
**GR 493 Topics in Greek (1-3).** As announced. (May be repeated for credit if topics are different.)

# Health and Physical Education (HPE)

## HPE Activity 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 103 Racquetball I (1).** Student must furnish racquet. (F, S)
**HPE 107 Adaptive Physical Education (1).** Designed to aid students with special developmental needs. (May be repeated for credit with instructor approval.)
**HPE 110 Concepts in Fitness (1).** Designed for students desiring individualized programs based on indicated needs for health related fitness.
**HPE 111 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 117 Basketball I (1).** (F, S)
**HPE 118 Marching Band (1).** Prerequisite: instructor approval. (F)
**HPE 119 Swimming I (1).** (F, S)
**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 124 Weight Training I (1).** (F, S)
**HPE 125 Social Dance (1).**
**HPE 128 Lifelong Wellness (1-2).** Wellness course designed for employees and non-degree seeking community members. (May be repeated as often as desired, but only three credits may be counted toward a degree.)
**HPE 132 Golf I (1).** (F, S)
**HPE 138 Tennis I (1).** Student must furnish tennis racquet.
**HPE 203 Racquetball II (1).** Student must furnish racquet. Prerequisite: HPE 103.
**HPE 217 Basketball II (1).** Prerequisite: HPE 117.
**HPE 219 Swimming II (1).** Prerequisite: HPE 119.
**HPE 224 Weight Training II (1).** Advanced techniques and programs for resistance training. Prerequisite: HPE 124.
**HPE 232 Golf II (1).** Student must furnish golf clubs. Prerequisite: HPE 132.
**HPE 238 Tennis II (1).** Student must furnish tennis racquet. Prerequisite: HPE 138.

## HPE Varsity Sport Activity Courses

HPE activity courses for varsity sports are designed for intercollegiate competitive athletes. The courses focus on developing proficiency in movement patterns for the respective sports.

**HPE 140 Varsity Spirit Squad (1).** Prerequisite: instructor approval. (F)
**HPE 150 Varsity Football (1).** Prerequisite: instructor approval. (F)
**HPE 152 Varsity Basketball (1).** Prerequisite: instructor approval. (S)
**HPE 153 Varsity Cross-Country (1).** Prerequisite: instructor approval. (F)
**HPE 154 Varsity Baseball (1).** Prerequisite: instructor approval. (S)
**HPE 155 Varsity Softball (1).** Prerequisite: instructor approval. (S)
**HPE 156 Varsity Tennis (1).** Prerequisite: instructor approval. (S)
**HPE 157 Varsity Soccer (1).** Prerequisite: instructor approval. (F)
**HPE 158 Varsity Track and Field (1).** Prerequisite: instructor approval. (S)
**HPE 166 Varsity Volleyball (1).** Prerequisite: instructor approval. (F)
**HPE 250 Varsity Football (1).** Prerequisite: instructor approval. (F)
**HPE 252 Varsity Basketball (1).** Prerequisite: instructor approval. (S)
**HPE 253 Varsity Cross-Country (1).** Prerequisite: instructor approval. (F)
**HPE 254 Varsity Baseball (1).** Prerequisite: instructor approval. (S)
**HPE 255 Varsity Softball (1).** Prerequisite: instructor approval. (S)
**HPE 256 Varsity Tennis (1).** Prerequisite: instructor approval. (S)
**HPE 257 Varsity Soccer (1).** Prerequisite: instructor approval. (F)
**HPE 258 Varsity Track and Field (1).** Prerequisite: instructor approval. (S)
**HPE 266 Varsity Volleyball (1).** Prerequisite: instructor approval. (F)
**HPE 350 Varsity Football (1).** Prerequisite: instructor approval. (F)
**HPE 352 Varsity Basketball (1).** Prerequisite: instructor approval. (S)
**HPE 353 Varsity Cross-Country (1).** Prerequisite: instructor approval. (F)
**HPE 354 Varsity Baseball (1).** Prerequisite: instructor approval. (S)
**HPE 355 Varsity Softball (1).** Prerequisite: instructor approval. (S)
**HPE 356 Varsity Tennis (1).** Prerequisite: instructor approval. (S)
**HPE 357 Varsity Soccer (1).** Prerequisite: instructor approval. (F)
**HPE 358 Varsity Track and Field (1).** Prerequisite: instructor approval. (S)
**HPE 366 Varsity Volleyball (1).** Prerequisite: instructor approval. (F)
**HPE 450 Varsity Football (1).** Prerequisite: instructor approval. (F)
**HPE 452 Varsity Basketball (1).** Prerequisite: instructor approval. (S)
**HPE 453 Varsity Cross-Country (1).** Prerequisite: instructor approval. (F)
**HPE 454 Varsity Baseball (1**). Prerequisite: instructor approval. (S)
**HPE 455 Varsity Softball (1).** Prerequisite: instructor approval. (S)
**HPE 456 Varsity Tennis (1).** Prerequisite: instructor approval. (S)
**HPE 457 Varsity Soccer (1).** Prerequisite: instructor approval. (F)
**HPE 458 Varsity Track and Field (1).** Prerequisite: instructor approval. (S)
**HPE 466 Varsity Volleyball (1).** Prerequisite: instructor approval. (F)

## HPE 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; encouragement of a variety of lifetime physical activities; cognitive 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).** 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.

**HPE 207 Media and Public Relations in Sports (3).** A survey and analysis of the best practices and techniques for effective communication in sports organizations. Topics include defining, developing and delivering an effective media campaign; using mass and social media platforms for brands and teams; and ethical and legal issues (media rights, etc.). Students will develop media brochures, publications (interviews, feature stories, etc.) and news releases for a sports event. (F)

**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, 221 or current basic first aid/CPR certification. (S)

**HPE 212 Motor Behavior I (3).** Study of basic motor behavior theories and principles; developmental skill acquisition and issues related to exercise; contextual influences on motor tasks; developmentally appropriate assessment. Concurrent enrollment: HPE 212L. (F, S)

**HPE 212L Motor Behavior I Laboratory (1).** Practical applications of basic motor behavior knowledge through a hands-on approach. Concurrent enrollment: HPE 212.

**HPE 216 Lifeguard Training (2).** Review of basic swimming strokes. American Red Cross lifesaving techniques, CPR and first aid. Red Cross certification may result upon successful completion of the course.

**HPE 220 First Aid (2).** Fundamentals, techniques and practices of first aid and CPR. Prepares persons to make appropriate decisions and administer emergency first aid to victims of serious injuries until medical service can be secured. CPR and first aid certification may result upon successful completion of the course. (F, S)

**HPE 221 CPR Re-Certification (1).** Re-certification in CPR. Prerequisite: HPE 220 or instructor approval. (May be repeated for credit up to six times.) (F, S)

**HPE 240 Pharmacology Education for Health Professionals (3).** Examines classifications, therapeutic use, misuse and effects of drugs. Includes protocols for therapeutic use as well as legal and ethical concerns. (F)

**HPE 241 Structural Kinesiology (3).** Application of anatomy and physiology to analysis and improvement of human performance in gross body movement. Musculoskeletal and neuromuscular anatomy and physiology are discussed, along with kinesiological concepts related to the integration of these systems during human movement, wellness, sport performance and exercise science. (S)

**HPE 242 Lifetime Physical Well-Being (1).**

**HPE 245 Theory of Coaching (3).** Philosophy of coaching and leadership, current trends in sports and coaching, legal and ethical issues 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 six hours if topics are different.)

**HPE 281 Officiating of Sports (3).** Rules and mechanics for officiating sports, including theory and practice. (F)

**HPE 289 Recreation Practicum (3).** Practical work experience (30 work hours for each credit; maximum 90 hours for three 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; advisor. Grading is S/U. (F, S, Su)

**HPE 293 Topics in Health and Physical Education (1-3).** As announced. (May be repeated for credit if topics are different.) (TBA)

**HPE 298A Teaching Movement: Aquatics (includes WSI) (3).** Fundamental skills for water activity, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to water activity.

**HPE 298D Teaching Movement: Rhythm and Dance (3).** Fundamental skills for rhythm and dance activity, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity.

**HPE 298F Teaching Movement: Fitness Activities (3).** Safety rules and fundamental skills for fitness activities (aerobics, jogging, basic weight training, etc.), techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity.

**HPE 298H Teaching Movement: Health Fitness Instruction (3).** Rules and fundamental skills for personal training and other fitness instruction, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity.

**HPE 298L Teaching Movement: Lifetime Recreation (3).** Rules of and fundamental skills for a variety of lifetime activities, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity.

**HPE 298R Teaching Movement: Racquet Sports (3).** Rules of and fundamental skills for racquet sports (tennis, racquetball, etc.), techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity.

**HPE 298S Teaching Movement: Strength and Olympic Lifts (3).** Safety and fundamental skills for Olympic style weight training, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity.

**HPE 298T Teaching Movement: Team Sports (3).** Rules of and fundamental skills for basketball, flag football, soccer, softball and volleyball, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity.

**HPE 298W Teaching Movement: Topics (3).** Rules of and fundamental skills for activity, techniques for teaching those skills, strategies for practicing skills, and assessment methods appropriate to the activity.

**HPE 302 Curriculum/Program Planning in Health (3).** Theoretical bases for developing behaviors conducive to well-being. Elements of planning, developing, implementing and evaluating health promotion programs, including ethics, needs assessment, the writing of goals and objectives, construction of evaluation instruments. Practical skills of 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 and communication. (Even F)

**HPE 303 Sport Governance (3).** An in-depth examination of the governing organizations at the youth, high school, intercollegiate, professional, non-profit, international and Olympic levels. In addition it explores the managerial activities. (F)

**HPE 304 Sport Finance (3).** Basic principles of finance as they relate to sports. Emphasis is placed on current practices and issues relating to funding, budgeting and revenue acquisition in sports through private and public means. Topics include taxing and borrowing, ticket sales, concessions, merchandise, broadcast sales and sponsorship. (S)

**HPE 305 Human Resources in Sport Management (3).** An introduction to the basic elements of human resource management in sport and recreation environments. Provides an introduction to administrative practices involving employer and employee relationships and applies these concepts to the day-to-day practices and skills required of a manager in a sport or recreation setting. The content focus will be on areas such as human resource policies, recruiting, hiring, conducting performance evaluations, creating job position descriptions, training, career development, demonstrating interpersonal communications, managing change, maintaining positive morale, developing a system of rewards, managing stress, and supervision of staff members and volunteers. (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.

**HPE 308L Therapeutic Modalities Laboratories (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 Laboratory (1).** Concurrent enrollment: HPE 309.

**HPE 310 Facilities and Event Management (3).** Planning, design, construction, management and operations of facilities for athletics, physical education and recreation. Includes ethical issues and event marketing. (S)

**HPE 312 Biomechanics (3).** Mechanical principles of human motion and analysis of basic sport skills. Concurrent enrollment: HPE 312L. Prerequisites: grade of "C" or higher in BIOL 107/108 with labs or 209/210 with labs. (S)

**HPE 312L Biomechanics Laboratory (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; muscular, neural and cardio-respiratory systems, metabolism, strength, endurance and flexibility – how to improve performance using scientific information and processes. Prerequisites: grade of "C" or higher in BIOL 107/108 with labs or 209/210 with labs. Concurrent enrollment: HPE 313L. (F)

**HPE 313L Physiology of Exercise Laboratory (1).** Demonstrations, hands-on experiences related to the functioning 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. Application of these principles to the behavior of individuals and to interventions designed to change exercise and sport participation.

**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. Prerequisite: ENG 104. (Odd F)

**HPE 325 Global Sports (3).** A study of contemporary sport from national, global and cultural perspectives. Topics will include inequalities in social class, gender, race/ethnicity and disability related to sport. Prerequisite: ENG 104.

**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.

**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 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. Prerequisite: HPE 138 or 238. (Even S)

**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. (Even S)

**HPE 340 Recreation and Intramural Programming (3).** Organization and supervision of intramural and community-based 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.) (Odd S)

**HPE 342 Coaching of Track and Field (3).** Various track and field events and methods of teaching each. (Odd F)

**HPE 345 Physical Activity: Law and Ethics (3).** Laws and ethical issues pertaining to health, physical education, intramural sports and athletics. Prerequisite: ENG 104. (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 Laboratory (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 Laboratory (1).** Application of knowledge and techniques of an initial clinical evaluation of lower body injuries. Concurrent enrollment: HPE 349.

**HPE 380 Fundamentals of Sport Management (3).** Theory and practices in organization and administration of physical education, sport and athletic training programs as related to planning, finances, facilities, equipment, legal and ethical issues, health care services, personnel, marketing, and public relations. (F)

**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 Trainers' Association. (May be repeated for a maximum of six hours.) Prerequisites: HPE 209 and head athletic trainer approval.

**HPE 411 Motor Behavior II (3).** Study of the theory, principles and factors involved in the learning and performance of motor skills. Prerequisite: a four-credit human anatomy and physiology course with laboratory, HPE 212/L. Concurrent enrollment: HPE 411L.

**HPE 411L Motor Behavior II Laboratory (1).** Practical experience in exercises pertaining to motor behavior principles. Hands-on experience to use knowledge in real world settings. Concurrent enrollment: HPE 411.

**HPE 425 Contemporary Issues: Topics (3).** Research, writing and discussion of issues important to current coaches and administrators of sport and recreation programs. Possible topics include sport media, public relations, sport finance, sport ethics, women's issues, etc. (May be repeated for credit when topics vary.) Prerequisite: ENG 104.

**HPE 433 Methods/Curriculum in Physical Education (3).** Methods for teaching physical activities for various age groups; development of curriculum/training programs; and supervising activity. Prerequisites: HPE 298, 212/L. (F, S)

**HPE 459 Sports Marketing (3).** Principles of marketing as related to sport activities, including promotions, sponsorships, advertising, sales, media and public relations. Prerequisite: ENG 104; completion of HPE 380 recommended.

**HPE 468 Workshop in Health and Physical Education (1–3)**. As announced. (May be repeated for a maximum six hours if topics are different.)

**HPE 473 Health Education Methods/Materials (3).** Methods and materials for teaching health education in community settings and in elementary and secondary school programs. Prerequisite: HPE 121. (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. Prerequisites: HPE 209, 309/L, 348/L, 349/L.

**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 can include Adapted PE, pre-K through Elementary PE, Middle School through Secondary PE, fitness training, etc. (May be repeated for credit if topics are different.) 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: field experience, approval of agency and advisor. (F, S, Su).

**HPE 490 Professional Review (3).** Development of academic and 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 four hours.) Prerequisite: instructor approval.

**HPE 493 Topics in Health and Physical Education (1-3).** As announced. (May be repeated for credit if topics are different.)

## Hebrew (HEB)

**HEB 201 Beginning Hebrew (4).** Fundamentals of Biblical Hebrew. (Odd F)

**HEB 202 Continuation of Beginning Hebrew (4).** Fundamentals of Biblical Hebrew with simple passages from the Hebrew Bible. Prerequisite: HEB 201. (Even S)

**HEB 268 Workshop in Hebrew (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.).

**HEB 293 Topics in Hebrew (1-3).** As announced. (May be repeated for credit if topics are different.)

**HEB 301 Intermediate Hebrew (3).** Biblical Hebrew prose with reference to selected passages. Prerequisite: HEB 202. (Even F)

**HEB 302 Continuation of Intermediate Hebrew (3).** Continuation of HEB 301. Biblical Hebrew poetry with reference to selected passages. Prerequisite: HEB 301. (Odd S)

**HEB 468 Workshop in Hebrew (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**HEB 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**HEB 493 Topics in Hebrew (1-3).** As announced. (May be repeated for credit if topics are different.)

## History (HIST)

**HIST 101 Survey of American History to 1877 (3) (NMCCNS HIST 1113).** 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)

**HIST 102 Survey of American History since 1877 (3) (NMCCNS HIST 1123).** Changes that brought the urban/industrial society of today into being; World Wars I and II and after. (F, S)

**HIST 121 Survey of Western Civilization to 1500 (3) (NMCCNS HIST 1053).** Egyptian, Mesopotamian 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 since 1500 (3) (NMCCNS HIST 1063).** 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) (NMCCNS HIST 2113).** New Mexico's Indian, Spanish, Mexican and American epochs; internal development and problems of the state; New Mexico's place in the U.S. (F, S)

**HIST 290 Introduction to Historical Methods (1).** Required for all history majors, including those seeking secondary teaching licensure, taken concurrently with first upper-division course. Topics include constructing a research agenda, primary and secondary source analysis, historiography, standards of citation and argumentation expected in the profession. (F, S)

**HIST 293 Topics in History (1-3).** As announced. (May be repeated for credit if topics are different.)

**HIST 305 Imperialism to Globalism (3).** A historical examination of the variations, interests and interdependencies of Western and non-Western cultures in the last 500 years. (Even S)

**HIST 306 Survey of the Non-Western World (3).** Historical examination of political, social and cultural issues in the non-Western world: Africa, Asia, Latin America and Middle East. (F, 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, religious and economic considerations. (Even 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. (Odd 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. (Odd F)

**HIST 327 Colonial Society and the American Revolution (3).** Explores the economic, political, social and military forces that united 13 diverse colonies in a revolution to form a nation. (Even F)

**HIST 328 The Rise of Modern America, 1877-1933 (3).** Focuses on economic, social, political and military impact of the U.S. transformation into an urban, industrial nation. (Even S)

**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. (Odd S)

**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; U.S.S.R. from 1917 to present. (Even S)

**HIST 377 Latin American Experience (3).** Latin America's multi-ethnic history including the development of economic and political institutions, social organizations and cultural expressions that evolved from pre-Columbian times. (Even F)

**HIST 379 Introduction to Middle East (3).** Cultural, social, economic and political history of the Middle East. (Odd F)

**HIST 381 Asian Experience (3).** Cultural traditions and comparative histories of India, China and Japan from classical eras to the present. (Odd S)

**HIST 407 Evolution of Mexican Society (3).** Political, economic, social and cultural development from pre-Columbian period to the present. (Odd S)

**HIST 409 Teaching Social Studies (3).** Curriculum, materials, methods, evaluation and related aspects of instruction; integration of content and methodology. Prerequisite: EDF 222 or concurrent enrollment. (F)

**HIST 410 The Age of the Crusades: 1095-1291 (3).** Relations between Europe and West Asia. Examines the motivations, actions and consequences of the crusades, when armed western Christians embarked on campaigns to regain the Holy Land from Muslim occupation. (Even S)

**HIST 411 Absolutism and Revolution, 1648-1815 (3).** Political, economic and social issues in Europe from the age of Absolutism and Enlightenment through French Revolutionary and Napoleonic Europe, with special emphasis on original research and historiographical study. (Even F).

**HIST 412 Europe, 1815-1914 (3).** Political, economic and social history of Europe from the Congress of Vienna to the outbreak of The Great War. Special emphasis on original research and historiographical study. (Odd S)

**HIST 413 The United States, 1933-Present (3).** Political, social and economic trends from the Great Depression, World War II, Cold War at home and abroad, civil and human rights. (Even F)

**HIST 414 Race, Nation and Identity: Issues in American History (3).** A research course that examines legal, political and social definitions of identity in the United States. (Odd 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. (Odd F)

**HIST 431 The National Period: American History 1800-1850 (3).** Explores the expansion and development of the American nation from the presidency of Thomas Jefferson through the Mexican-American War. (Odd S)

**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. (Even S)

**HIST 433 The Civil War Era (3).** The antecedents to the American Civil War, the war itself and the aftermath of the conflict. (Odd F)

**HIST 468 Workshop in History (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**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 a maximum of four hours. Does not count for history requirements.)

**HIST 493 Topics in History (1-3).** As announced. (May be repeated for credit if topics are different.)

## Hospitality Management (HRTM)

**HRTM 293 Topics in Hospitality Management (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

**HRTM 300 Convention Management (3).** Investigates the issues involving the effective management of resorts and convention centers. Prerequisite: instructor approval. (F)

**HRTM 305 Lodging Management (3).** A review of the principles and practices of managerial functions relating to the operation of lodging facilities. (S)

**HRTM 310 Club and Resort Management (3).** Principles and practices of the general managerial procedures utilized in private clubs and resorts as well as survey of practices in this industry. (Su)

**HRTM 320 Hospitality Facilities Management (3).** Management principles and practices relative to the internal maintenance of public dining and lodging facilities, and the systematic control of hospitality spaces to safeguard health and to use available aesthetic values in development. (F)

**HRTM 389 Hospitality Practicum (3).** Client-based learning course focusing on specific hospitality projects for an individual hospitality firm. The project(s) and locations must be pre-approved by the instructor. (May be repeated for a maximum of six hours provided the practicum experiences are in two different areas of the hospitality industry.) Prerequisite: instructor approval. (TBA)

**HRTM 410 Food Operations Management (3).** Investigates the issues involving the effective management of the various functional areas of the restaurant. (F)

**HRTM 420 Bar and Beverage Management (3).** Principles and practices regarding the production, selection, storage and serving of beverages. Emphasis on responsible beverage use, inventory control, sales promotion and profits. (S)

**HRTM 450 Tourism Development (3).** An analysis of the economic and cultural impact of the international travel and tourism industry, including destination development, cultural integration and demand for travel services. (S)

**HRTM 489 Hospitality Internship (3).** Minimum of 400 hours on-the-job experience within the hospitality industry. Internship location requires prior approval of the instructor. (May be repeated for a maximum of six hours provided the internships are in two different areas of the hospitality industry.) Prerequisites: instructor, academic advisor and dean approval. (F, S, Su)

**HRTM 491 Directed Study (3).** Independent study. Prerequisites: instructor, academic advisor and dean approval. (TBA)

**HRTM 493 Topics in Hospitality Management (3).** As announced. (May be repeated for a maximum of six hours with instructor approval if topics are different.) Prerequisite: instructor approval. (TBA)

## Humanities (HUM)

**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)

**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. (S)

**HUM 268 Workshop in Humanities (1-3).** As announced. (May be repeated for a maximum of four hours if topics are different.)

**HUM 293 Topics in Humanities (1-3).** As announced. (May be repeated for credit if topics are different.)

**HUM 468 Workshop in Humanities (1-3).** As announced. (May be repeated for a maximum of four hours if topics are different.)

**HUM 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**HUM 493 Topics in Humanities (1-3).** As announced. (May be repeated for credit if topics are different.)

## Information Systems (IS)

**IS 151 Basic Computer Skills (3) (NMCCNS BCIS 1113).** The basics of information systems, including the terminology, components of IT systems, file management, information management, and issues related to security, privacy and ethics. Students get hands-on experience with applications to enhance their skills in word processing, spreadsheets, presentations and using the Internet to conduct research. (F, S, Su)

**IS 153 Introduction to Information Systems (3).** Fundamentals of information systems and their impact on society. An overview of the components of the computer, operating systems, application software, network fundamentals, computer security and the Internet. Students improve their problem solving skills by applying information technologies to problem situations. (F)

**IS 241 Introduction to Web Development (3).** Fundamentals of web technologies and their impact. Design and publish web pages using current web programming languages. Prerequisite: IS 151. (S)

**IS 281 Spreadsheets and Data Analysis (3).** Evaluation and advanced applications of electronic spreadsheets. Basic concepts of business statistics, data analysis and management science integrated in a contemporary spreadsheet environment. Emphasizes practical applications and business decision making. Prerequisites: IS 151; STAT 213. (F, S)

**IS 293 Topics in Information Systems (1-3).** As announced. (May be repeated for a maximum of six hours with instructor and advisor approval if topics are different.) Prerequisite: instructor approval. (TBA)

**IS 301 Information Systems for Managers (3).** Students are exposed to the principles of information systems and managing them by presenting a comprehensive survey of the field. The focus is on the overall principle that organization effectiveness and efficiency will increase if the right information is delivered to the right person, in the right fashion and at the right time. Prerequisite: junior standing. (F, S)

**IS 315 Electronic Business Strategy, Architecture and Design (3)**. Examines the linkage of organizational strategy and electronic methods of delivering products, services and exchanges in inter-organizational, national and global environments. Focuses on the legal and ethical aspects of the development of e-business solutions, the societal effects of the widespread usage of e-business technologies, as well as the technical architecture and the detailed technology solutions required to implement reliable and efficient e-business solutions. Prerequisite: IS 301. (S)

**IS 316 Information Systems Security (3).** Examines the security issues involved in modern information systems, including computer systems and networks. Topics include security planning and policies, security models, security mechanisms, encryption, firewalls, viruses, worms, hacking, software piracy and safety, copyright issues, and disaster planning and recovery. Prerequisite: IS 301. (F)

**IS 343 Database Management Systems (3).** Analysis, design and implementation of database systems. Topics include the underlying concepts behind data modeling and database systems using relational database management systems and the structured query language. Prerequisite: IS 301 (or CS 220 for CS majors). (F)

**IS 420 Systems Analysis and Design (3).** Information systems methodologies and enterprise-wide managerial and organizational problems. Project management techniques, security techniques, system testing and implementation. Prerequisite: IS 343 (or CS 357 for CS majors). (S)

**IS 430 Advanced Web Development (3).** Investigate various models of information architecture. Apply the latest technologies in web development to create, debug and publish advanced web applications. Prerequisites: IS 315, 343. (F)

**IS 435 Network Infrastructure Design (3).** Planning and designing computer networks covering such topics as TCP/IP addressing, TCP/IP routed and routing protocols, WINS and DNS, DHCP and Directories. Prerequisite: IS 316 (or CS 357 for CS majors). (F)

**IS 440 Server Operating Systems (3).** Concepts for implementing and administering local and wide area corporate network systems using different windows operating systems. Prerequisite: IS 435. (S)

**IS 460 Project Management (3).** Students operating as a high-performance team will engage in and complete the design and implementation of a significant information system. Project management, management of the IS function and systems integration will be components of the project experience. Prerequisite: senior standing (or within last 30 hours before graduation) and instructor approval. (S)

**IS 489 Internship (3).** The student must complete a minimum of 300 work hours over a minimum of eight weeks on-the-job experience related to the discipline. Grading is satisfactory/unsatisfactory. Check with the internship coordinator for specific requirements. Prerequisites: instructor, academic advisor and dean approval. (F, S, Su).

**IS 491 Directed Study (1-3).** Independent study under instructor's guidance. Prerequisites: instructor, academic advisor and dean approval. (TBA)

**IS 493 Topics in Information Systems (1-3).** As announced. (May be repeated for a maximum of six hours with advisor approval if topics are different.) Prerequisite: instructor approval. (TBA)

## Management (MGT)

**MGT 201 Principles of Management (3) (NMCCNS MGMT 2113).** Survey of the theory and practice of management principles with an exposure to the history of management thought as well as to contemporary management practices. Special emphasis is placed on leadership, human resources management and operations management. (F, S)

**MGT 293 Topics in Management (1-3).** As announced. (May be repeated for a maximum of six hours with instructor and advisor approval if topics are different.) (TBA)

**MGT 313 Organizational Behavior (3).** The theory and practice of managing individuals, groups and organizations as well as an investigation into how organizational structures, processes and cultures impact the performance of people. Prerequisite: junior standing; MGT 201 is not required but is recommended. (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. Prerequisite: MGT 313. (F, S)

**MGT 415 Compensation Management (3).** Study of the issues necessary to design a compensation system of wages and benefits for an organization. Prerequisite: MGT 313. (S)

**MGT 425 Training and Development (3).** Study of the concepts and theories necessary for the design and delivery of training activities within the workplace. Prerequisite: MGT 313. (F)

**MGT 435 Supervision and Management (3).** Examines the various theories of supervision, management and leadership, and is a practical guide for the manager to improve quality standards, understand diversity of the workforce, and achieve established goals within the organization. Students will reflect on their leadership style and perfomance capabilities through self-assessment and awareness exercises. Prerequisite: junior standing. (F)

**MGT 439 International Management (3).** This course will assess the political, economic, legal, technical, ethical and cultural environment across borders. Analyze the role of culture in international management, communication and negotiations. Provide lessons on the effectiveness of different international strategies, organizational structures and control systems. Explore principles of international human resources management. Prerequisite: MGT 313. (F, S)

**MGT 440 International Employment Relations (3).** Management education is, for the most part, the study of organizational life from the perspective of managers; therefore, this course studies organizational life from the perspective of workers, in particular, from the perspective of international organized labor. In this course you will comprehend and critically analyze international comparative labor relations and case studies of labor-management conflicts. Prerequisite: junior standing. (F)

**MGT 442 Organization Theory (3).** Critical examination of the theoretical assertions and empirical knowledge claims regarding the behavior of persons in complex work organizations with a particular emphasis on the comprehension of the multiple perspectives and paradigms on the determinants of an organization's success. Prerequisite: MGT 313. (S)

**MGT 475 Leadership and Organizational Change (3).** To be successful, organizations must continuously evolve, through change, to avoid becoming static. This course will concentrate on the skills needed to manage change; how to develop them; and how to lead change without eroding employee motivation, commitment and productivity. Prerequisite: MGT 313. (F)

**MGT 489 Internship (3).** The student must complete a minimum of eight weeks on-the-job experience related to the discipline. Grading is satisfactory/unsatisfactory. Check with the internship coordinator for specific requirements. Prerequisites: instructor, academic advisor and dean approval. (F, S, Su)

**MGT 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisites: instructor, academic advisor and dean approval. (TBA)

**MGT 493 Topics in Management (1-3).** As announced. (May be repeated for a maximum of six hours with instructor approval if topics are different.) Prerequisite: instructor approval. (TBA)

## Marketing (MKT)

**MKT 201 Principles of Marketing (3) (NMCCNS MKTG 2113).** Survey of modern marketing concepts and practices in the United States. Major topics include: the marketing environment, purchasing decisions of consumers, marketing research, target marketing, branding, pricing strategies, distribution channels and marketing communication. (F, S)

**MKT 293 Topics (3).** As announced. (May be repeated for a maximum of six hours with instructor approval if topics are different.) Prerequisite: MKT 201. (TBA)

**MKT 322 Retail Management (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 201. (TBA)

**MKT 325 Services Marketing (3).** Prepares students to function as effective marketers in a service economy. Students taking this course will become aware of the nature and characteristics of services and service quality in general. Marketing activities across a broad spectrum of service industries will be examined. Prerequisite: MKT 201. (S)

**MKT 360 Professional Selling (3).** Problems related to the field of personal selling. Prerequisite: MKT 201. (TBA)

**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 201. (TBA)

**MKT 419 Consumer Behavior (3).** Examines and evaluates the decision-making process with reference to socio-psychological and economic factors. Explores both consumer and industrial buyer behavior. Prerequisite: MKT 201. (TBA)

**MKT 425 Marketing Management (3).** Integrates the full scope of marketing activities. Special emphasis is placed on managerial decision-making using quantitative information. Prerequisite: completion of all foundation courses. (F, 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 201. (F, S)

**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 201. (F)

**MKT/HPE 459 Sports Marketing (3).** Principles of marketing as related to sport activities, including promotions, sponsorships, advertising, sales, media and public relations. Prerequisite: completion of HPE 380 recommended.

**MKT 489 Internship (3).** The student must complete a minimum of 135 work hours over a minimum of eight weeks on-the-job experience related to the discipline. Grading is satisfactory/unsatisfactory. Check with the internship coordinator for specific requirements. Prerequisites: instructor, academic advisor and dean approval. (F, S, Su)

**MKT 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisites: MKT 201 and instructor, academic advisor and dean approval. (TBA)

**MKT 493 Topics in Marketing (3).** As announced. (May be repeated for a maximum of six hours with instructor approval if topics are different.) Prerequisite: instructor approval. (TBA)

## Mathematics (MATH)

**MATH 094 Basic Mathematics (3).** Review of fractions, decimals and percents. Operations in algebra, real number operations, first-degree equations and inequalities, exponents. Credit not applicable to associate or baccalaureate degrees.

**MATH 097 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 associate or baccalaureate degrees. Prerequisite: MATH 094 with a grade of "C" or higher or ACT math score of at least 21 or SAT math score of at least 420. Prerequisites completed within the last two years or a satisfactory score on the math placement test taken in the last year.

**MATH 104 Preparatory Algebra (4).** Graphing, equations, inequalities, functions, and factoring. Focused preparation for MATH 119 College Algebra. No prerequisite. Initial math placement is determined by a combination of math ACT score and high school GPA. Please consult your advisor. (F, S)

**MATH 106 Foundations for Statistics (4).** Gives the student a deeper understanding of mathematics through classroom and group interaction. Students will read and understand the relevant scenarios from non-technical fields and be able to justify their findings and conclusions in multiple ways. An understanding of mathematical notation and equation solving will be emphasized. Students will use technology throughout the course to research, collect and analyze data as well as to make predictions and present findings. Focused preparation for STAT 213. No prerequisite. Initial math placement is determined by a combination of math ACT score and high school GPA. Please consult your advisor. (F, S)

**MATH 107 Intermediate Algebra (3).** Linear equations, inequalities, systems of equations, polynomials and factoring, quadratic equations, rational expressions, and graphing. Prerequisite: MATH 097 with a grade of "C" or higher. Prerequisites completed within the last two years or a satisfactory score on the math placement test taken in the last year.

**MATH 107L Intermediate Algebra Laboratory (NC).** Concurrent enrollment in MATH 107 required.

**MATH 113 Liberal Arts Math (4).** A study of the mathematics needed for the critical evaluation of quantitative information including graphs, tables, simple mathematical models, and statistical surveys and studies. Uses a problem-solving approach to mathematics as it is applied to life and the world of work. The conceptual understanding and procedural skills of the algebra necessary for this mathematics will be included. (F, S)

**MATH 119 College Algebra (4) (NMCCNS MATH 1114).** A focus on modeling data using equations and inequalities, functions and their graphs, exponential and logarithmic functions, polynomial functions, complex numbers, graphs of rational functions, slope as a rate of change. Includes a contextual review component that focuses on simplifying algebraic expressions, solving linear and quadratic equations, factoring, properties of exponents, and other fundamental algebraic concepts. Prerequisite: MATH 104 or MATH 107 with a grade of "C" or higher. Prerequisites completed within the last two years or a satisfactory score on the math placement test taken in the last year. Initial math placement is determined by a combination of math ACT score and high school GPA. Please consult your advisor. (F, S)

**MATH 120 Trigonometry (3) (NMCCNS MATH 1213).** Trigonometric functions, logarithms, complex numbers. Prerequisite: MATH 107 or MATH 119 with a grade of "C" or higher or ACT math score of at least 24 or SAT math score of at least 600. (F, S)

**MATH 124 Calculus I (4) (NMCCNS MATH 1614).** Limits, derivatives, the mean value theorem, curve sketching, max/min problems, Newton's Method, exponential and logarithmic functions, antiderivatives, the definite integral, the fundamental theorem of calculus, area, average of a function. Prerequisites: MATH 119 and 120 both with a grade of "C" or higher or ACT math score of at least 26 or SAT math score of at least 640. (F, S)

**MATH 132 Calculus II (4) (NMCCNS MATH 1624).** Volume, work, inverse 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) (NMCCNS MATH 2614).** Parametric equations, polar coordinates, three-dimensional geometry and vectors, partial derivatives, multiple integrals, vector calculus. Prerequisite: MATH 132. (F)

**MATH 215 A Survey of Calculus (3).** Basic concepts of differential and integral calculus to provide an operational knowledge of calculus. Methods and techniques to solve quantitative problems in business, economics and the sciences. Prerequisite: MATH 119 with a grade of "C" or higher or ACT math score of at least 26 or SAT math score of at least 640. (F, S)

**MATH 261 Mathematics for Teaching Grades PreK-2 (3).** Designed to gain knowledge of the mathematical content domains identified by the state-adopted standards as appropriate

for grades PreK through second, at levels of understanding to successfully teach the content. Domains include but are not limited to grade level progression of counting and cardinality, operations and algebraic thinking, number and operations in base 10, measurement and data, and geometry. (F, S)

**MATH 262 Mathematics for Teaching Grades 3-5 (3).** Designed to gain knowledge of the mathematical content domain identified by the state-adopted standards as appropriate for grades 3-5, at levels of understanding to successfully teach the content. Domains include but are not limited to grade level progression of operations and algebraic thinking, number and operations in base 10, number and operations – fractions, measurement and data, and geometry. Prerequisite: MATH 261 with a grade of "C" or higher. (F, S)

**MATH 268 Workshop in Mathematics (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**MATH 293 Topics in Mathematics (1-3).** As announced. (May be repeated for credit if topics are different.)

**MATH 310 Secondary Mathematical Concepts I (3).** Development of the real number system, imaginary numbers, functions, the language of algebra, sets, mathematical modeling and problem solving. (Even F)

**MATH 311 Secondary Mathematical Concepts II (3).** Nonlinear functions including the trigonometric functions, congruence and similarity, and using technology in the classroom. A continued emphasis on building problem solving ability. Prerequisite: MATH 310. (Odd S)

**MATH 317 Introduction to Geometry (3).** Two- and three-dimensional Euclidean geometry and non-Euclidean geometry. Prerequisite: nine hours of college math. (Even S)

**MATH 340 Foundations of Higher Mathematics (3).** An introduction to reading and writing proofs. Topics include: sets, logic, properties of integers, mathematical induction, functions. 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 345 Mathematics for Teaching Grades 6-8 (3).** Designed to gain knowledge of the mathematical content domain identified by the state-adopted standards as appropriate for Grades 6-8, at levels of understanding to successfully teach the content. Domains include but are not limited to grade level progression of ratios and proportional relationships, the number system, expressions and equations, geometry, statistics and probability, and functions. Prerequisite: MATH 262 with a grade of "C" or higher. (F, S)

**MATH 351 Ordinary Differential Equations (4).** 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. (Even S)

**MATH 352 Introduction to Linear Algebra (4).** Elementary treatment of linear algebra; topics include systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors. Prerequisite: MATH 202 or 340 or CS 220. (Odd S)

**MATH 371 Real Analysis (3).** An introduction to the theory of calculus. Real numbers, limits, sequences, series, continuity, differentiation and integration. Prerequisite: MATH 340. (Even S)

**MATH 407 Introduction to Complex Variables (3).** Concepts of complex integration, differentiation and mappings. Prerequisite: MATH 202.

**MATH 409 Numerical Analysis (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. (Even F)

**MATH 413 History of Mathematics (3).** Concepts, symbols, and operations in mathematics; mathematical history in the teaching and learning of mathematics. Prerequisite: instructor approval. (Odd F)

**MATH 415 Set Theory (3).** Axioms for sets, ordering, cardinality, natural numbers, real numbers, cardinal numbers, axiom of choice. Prerequisite: instructor approval.

**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 instructor approval. (Even S)

**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 instructor approval. Recommended: CS 123.

**MATH 425 Mathematical Logic (3).** Quantifiers, deductive proofs, predicate calculus, Godel's theorem. Prerequisite: MATH 340.

**MATH 429 Methods for Teaching Secondary Mathematics (3).** Methodology in secondary mathematics. Classroom management, lesson plans, testing, evaluation, grades and record keeping, curriculum, teaching high school algebra, geometry and general mathematics. (Odd 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 six hours if topics are different.)

**MATH 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**MATH 493 Topics in Mathematics (1-3).** As announced. (May be repeated for credit if topics are different.)

# Music (MUS)

## MUS Ensembles

**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. 400-level ensembles are open only to junior and senior music majors and music minors.

**Large Ensembles:**

| | | |
|---|---|---|
| MUS | 237, 437 | Chamber Singers (1) (Open by audition only) (F, S) |
| MUS | 276, 476 | University Singers (1) (F, S) |
| MUS | 296, 496 | Wind Symphony (1) (Open by audition only) (F, S) |
| MUS | 297, 497 | Marching Band (1) (F) |
| MUS | 298, 498 | Symphonic Band (1) (S) |

**Small Ensembles:**

| | | |
|---|---|---|
| MUS | 247, 447 | Swanee Singers (1) (Open by audition only) (F) |

| | | |
|---|---|---|
| MUS | 269, 469 | Instrumental Ensembles:<br>Steel Band (1) (F, S)<br>Percussion Ensemble (1) (F, S)<br>Brass Ensemble (1) (F, S)<br>Woodwinds (1) (F, S)<br>Flute Choir (1) (F, S)<br>Saxophone Ensemble (1) (F, S) |
| MUS | 274, 474 | Jazz Ensemble (1) (Open by audition only) (F, S) |

## 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 one credit. One hour lesson per week for two credits. One hour lesson plus a seminar per week or equivalent for three credits. Music majors must attend a one-hour weekly Studio Class. All music majors must pass a sophomore hurdle 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 |

## Music Academic Courses (MUS)

**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. (F, S)

**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. (S)

**MUS 108 Beginning Piano for Adults II (2).** For non-music majors. Continuation of MUS 107. Prerequisite: MUS 107.

**MUS 113 Music Appreciation (3) (NMCCNS MUSI 1113).** 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 (NMCCNS MUSI 1413); C. survey of rock and roll; D. survey of musical theatre; E. world music. (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 four credits.) (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 163 Literature of Music (3).** Introductory course briefly covering the development of art music from the Medieval to Twentieth Century periods, jazz and world music, particularly as they pertain to New Mexico and the surrounding southwest. Covers major composers, genres, stylistic traits and compositional techniques as well as influences from other arts, cultures and socio-historical events. Seeks to develop listening, score analysis, writing and research skills. (S)

**MUS 200 Jazz Theory (2).** Chords, modes, aural skills, basic keyboard skills and reharmonization techniques in the jazz and commercial idioms. Prerequisites: MUS 242, 244. (Even 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: instructor approval; MUS 108 for piano students; MUS 114 for voice students. (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 three credits.) Prerequisite: instructor approval. (F, S, Su)

**MUS 211 Sound and Music Technology (3).** Beginning study of techniques and equipment for sound recording, sound reinforcement, music synthesis and sequencing. (F)

**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 all General Recitals (Th 2:00) and a minimum number approved concert events per semester, as outlined in the course syllabus. A total of seven semesters required, MUS 219/419 (junior, senior). (F, S)

**MUS 241 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 administered upon the audition day on which students must achieve a score of 65 or higher or successful completion of MUS 101 with a grade of "C" or higher. (F)

**MUS 242 Music Theory II (3).** Theoretical concepts, functional harmony, part writing, employing triads, seventh chords. Prerequisite: placement test or MUS 241 with a grade of "C" or higher. (S)

**MUS 243 Aural Skills I (1).** Development of music reading, aural perception, rhythm and sight singing. Prerequisite: placement test. (F)

**MUS 244 Aural Skills II (1).** Development of music reading, aural perception, rhythm and sight singing. Prerequisite: MUS 243 with a grade of "C" or higher. Also concurrent enrollment (or grade of "C" or higher) in MUS 242 or by instructor approval. (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 264 Language Diction I (2).** English, Italian and Spanish pronunciation for singers, presented through the medium of the International Phonetic Alphabet. Prerequisite: instructor approval. (S)

**MUS 268 Workshop in Music (1-3).** (May be repeated for credit if topics are different.)

**MUS 293 Topics in Music (1-3).** As announced. May include topics relating to theory, history or performance. (May be repeated for credit if topics are different.)

**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 241. (Even 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 341, 343. (S)

**MUS 307 Junior Recital (1).** For Bachelor of Music (B.M.), Music Education (B.M.E.) degree and piano minor. Prerequisites: instructor approval and successful completion of the sophomore hurdle. (F, S)

**MUS 311 Seminar in Instrumental Literature (2).** Exploration of solo and chamber ensemble repertoire for wind and percussion instruments. (Odd F)

**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 341 Music Theory III (3).** Functional harmony, analytical systems, formal designs and chromatic harmony. Prerequisite: MUS 242 with a grade of "C" or higher. (F)

**MUS 342 Music Theory IV (3).** Impressionism and an exploration of twentieth-century compositional procedures as related to rhythm, melody, harmony, texture and formal structures. Assignments include analysis and a final project in composition. Prerequisite: MUS 341 with a grade of "C" or higher. (S)

**MUS 343 Aural Skills III (1).** Development of music reading, aural perception, rhythm and sight singing. Prerequisite: MUS 244 with a grade of "C" or higher. Also concurrent enrollment (or grade of "C" or higher) in MUS 341 or by instructor approval. (F)

**MUS 344 Aural Skills IV (1).** Development of music reading, aural perception, rhythm and sight singing. Prerequisite: MUS 343 with a grade of "C" or higher. Also concurrent enrollment (or grade of "C" or higher) in MUS 342 or by instructor approval. (S)

**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 342. (S)

**MUS 364 Language Diction II (2).** German and French pronunciation for singers, presented through the medium of the International Phonetic Alphabet. Prerequisite: MUS 264. (F)

**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. (Odd 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. (Even S)

**MUS 367 Practicum in Pedagogy (1).** Supervised teaching in applied music. (May be repeated for a maximum of four credits.) Prerequisite: instructor approval. (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. (Odd S)

**MUS 381 Sound Sequencing and Synthesis (3).** Studies in the electronic creation and modification of sounds, and the use of computers and the musical instrument digital interface protocols (MIDI) to order and control these sounds for music media. Prerequisite: MUS 211. (Odd S)

**MUS 382 Audio Production for Music (3).** Studies in music recording using studio and live recording techniques. Topics will include microphone selection and placement, and the use of digital audio work stations. Prerequisite: MUS 211. (Even S)

**MUS 401 Vocal Literature I (2).** German lied and Italian art song. (Odd F)

**MUS 402 Vocal Literature II (2).** French art song, song literature from the United States, England, Spain, Scandinavia and the Eastern Bloc countries. Prerequisite: MUS 401. (Even S)

**MUS 405 Collaborative Piano (2).** Techniques, artistic skills and repertory for accompanying. (May be repeated for credit.) Prerequisite: instructor approval. (Odd S)

**MUS 407 Senior Recital (1).** For Bachelor of Music degrees in performance. Prerequisites: instructor approval and successful completion of the sophomore hurdle. (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: instructor approval; MUS 108 for piano students; MUS 114 for voice students.

**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 three credits.) Prerequisite: instructor approval. (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 (NC).** Analysis of musical progress by faculty, including performance, music history, and theory components. (Juniors and seniors must enroll each spring semester.) Music majors only. May be repeated. (F, S)

**MUS 419 Recital Attendance (NC).** Attendance at all general recitals (Th 2:00) and a minimum number approved concert events per semester, as outlined in the course syllabus. MUS 419 may be repeated for credit three times. (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, nineteenth and twentieth centuries. Prerequisite MUS 342. (Odd 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: advisor and music department chair approval. (TBA)

**MUS 459 Internship in Music (3).** 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 if topics are different.)

**MUS 471 Piano Literature I (2).** Analysis of piano literature through Beethoven. Prerequisite: completion of sophomore hurdle. (Even F)

**MUS 472 Piano Literature II (2).** Analysis of piano literature after Beethoven. Prerequisite: completion of sophomore hurdle. (Odd S)

**MUS 481 Vocal Pedagogy (3).** Problems encountered by teachers of studio voice; demands individual study and research that encompasses the physiological and psychological approaches to teaching singing. (Even F)

**MUS 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four credits.) Prerequisite: instructor approval.

**MUS 493 Topics in Music (1-3).** As announced. May include topics related to theory, history or performance. (May be repeated for credit if topics are different.)

## Music Education (MUED)

**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. (Odd F)

**MUED 310 Woodwind Teaching Techniques I (1).** Fundamental skills and related information for teaching woodwind instruments. Student must attain a basic proficiency on oboe and bassoon. (Odd F)

**MUED 311 Woodwind Teaching Techniques II (1).** Skills and related information for teaching woodwind instruments continued. Students must attain basic proficiency on clarinet, flute and saxophone. Prerequisite: MUED 310. (Even S)

**MUED 312 Low Brass Teaching Techniques (1).** Fundamental skills and related information for teaching trombone, euphonium and tuba. (Odd 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. (Even F)

**MUED 324 High Brass Teaching Techniques (1).** Skills and related information for teaching trumpet and French horn. (Even F)

**MUED 372 Techniques of Marching Band (2).** Charting, arranging, organization and rehearsal techniques of the marching band. (F)

**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 instructor approval. (Odd 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 observation. Prerequisites: MUS 306, 343, 344. (S)

## Nursing (NURS)

**NURS 312 Global Health Care (3).** Examines a cross-section of national health care systems of various countries. Provides a foundation for understanding global health issues including ethics and economics in the contexts of their effects on different cultures. This course has no prerequisites and can be taken by non-nursing majors. (F, S)

**NURS 315 Foundations of Professional Nursing (3).** 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)

**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. Course may be taken at any time during the student's matriculation. (Su)

**NURS 320 Pathophysiology in Nursing (3).** Complex mechanisms of human disease processes, with application to nursing care of clients in various settings. This course has no prerequisites and can be taken by non-nursing majors. (F)

**NURS 360 Health Assessment (3).** Theory and skill development in physical and psychosocial assessment, history taking and data collection. Includes review of systems and physical examinations of clients in lab settings. (S)

**NURS 413 Nursing Theory (3).** Focuses on the concepts, definitions and theoretical assertions of selected nursing theorists to assist the individual student of nursing in making optimum use of theory in practice. (F)

**NURS 415 Community Health Nursing (3).** Prepares community health nurses with the depth and breadth of knowledge that allows them to work independently and in conjunction with clients and others to improve the health of the world's population. Public health, epidemiology and vulnerable aggregates will be addressed. Concurrent enrollment: NURS 415L.

**NURS 415L Community Health Nursing Practicum (3).** Utilizing the theory from NURS 415, students will complete a community health assessment, develop and implement a community service project, and complete 90 practicum hours. Concurrent enrollment: NURS 415. (F)

**NURS 416 Nursing Research and Evidence Based Practice (3).** Fundamentals of qualitative and quantitative nursing research will be discussed to assist nursing students' use of evidence based practice to enhance their clinical services. Reading research reports, identifying effective interventions for practice and implementation of these interventions to promote positive outcome for patients and families required. (S)

**NURS 417 Cultural Competencies for Nurses (3).** Prepares baccalaureate nursing graduates for the care of a globally diverse society. (F)

**NURS 425 Nursing Leadership (3).** Ethical and effective nurse leadership and management including issues and functions of planning, organizing, staffing and controlling. The role of the nurse in health policy will also be addressed. Concurrent enrollment: NURS 425L. (S)

**NURS 425L Nursing Leadership Practicum (3).** Utilizing theory from NURS 425, students will design, develop and implement a nursing leadership project in their community and complete 90 leadership practicum hours working with a preceptor. The preceptor must be approved by faculty and hold, at minimum, a B.S.N. degree. Concurrent enrollment: NURS 425. (S)

**NURS 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval. (F, S)

**NURS 493 Topics in Nursing (1-3).** As announced. (May be repeated for credit if topics are different.)

## Personal Financial Planning (PFP)

**PFP 310 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. Prerequisite: junior standing. (F, S)

**PFP 320 Business Risk Management and Insurance (3).** Identification, measurement and control of non-speculative risks of business; fire, explosions, crime, bonding, liability, property damage, life and health, pensions, commercial insurance and self-insurance, methods of preventing accidents and property loss; insurance as a planning tool; insurance procurement. Prerequisites: FIN 201; MATH 119; STAT 213. (F)

**PFP 330 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: FIN 201; MATH 119; STAT 213. (F)

**PFP 340 Tax Planning (3).** Use of research tools in a professional tax library, tax plannng and tax consequences of individuals and various forms of business organizations. Prerequisite; ACCT 201. (F)

**PFP 350 Retirement Planning (3).** A foundation course in retirement planning. Topics include corporate and individual retirement plans, planning strategies to meet client goals, and retirement income management. Prerequisite: BUS 230. (S)

**PFP 360 Estate Planning (3).** Application of estate planning methodologies and policies to personal financial planning. Prerequisite: BUS 230. (S)

**PFP 410 Financial Plan Development (3).** Demonstrates the ability to integrate, apply and communicate knowledge of financial planning topics, as received through the curricula taught by CFP® Board-Registered Program. Prerequisites: PFP 310, 320, 330, 340, 350, 360. (S)

## Philosophy (PHIL)

**PHIL 201 Introduction to Philosophy (3) (NMCCNS PHIL 1113).** Elementary problems and history of philosophy and the major philosophical systems. (F)

**PHIL 202 Introduction to Logic (3) (NMCCNS PHIL 1213).** Nature and structure of logical thinking with concrete applications. (S)

**PHIL 268 Workshop in Philosophy (1-3).** As announced. (May be repeated for credit if topics are different.)

**PHIL 293 Topics in Philosophy (1-3).** As announced. (May be repeated for credit if topics are different.)

**PHIL 468 Workshop in Philosophy (1-3).** As announced. (May be repeated for a maximum of four hours if topics are different.)

**PHIL 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.)

**PHIL 493 Topics in Philosophy (1-3).** As announced. (May be repeated for credit if topics are different.)

## 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. Concurrent enrollment: PHYS 113L. (Odd 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. (Odd S)

**PHYS 123 Physics of Music (3).** Music and acoustics provide a motivational foundation for the study of classical and modern physics. Concurrent enrollment: PHYS 123L. (Even S)

**PHYS 123L Physics of Music Laboratory (1).** Experiments and activities to accompany PHYS 123. Concurrent enrollment: PHYS 123. (Even S)

**PHYS 141 Astronomy (3) (NMCCNS PHYS 1113).** The application of gravity and other physical theories to understanding astronomical phenomena. Topics include early astronomy, Newton's and Einstein's theories of gravity, stars and stellar systems, white dwarfs, neutron stars, supernovae, black holes, galaxies, quasars and cosmology. (F)

**PHYS 141L Astronomy Laboratory (1) NMCCNS PHYS 1111).** Laboratory investigation of physical principles relevant to understanding astronomical objects and the techniques of observational astronomy. Concurrent enrollment: PHYS 141. (F)

**PHYS 151 General Physics (3) (NMCCNS PHYS 1113).** The first semester of a two-semester non-calculus treatment of principles of mechanics, thermodynamics, electricity and magnetism, and optics. Prerequisite: college algebra (or higher) with a grade of "C" or higher. Concurrent enrollment: PHYS 151L. (F)

**PHYS 151L General Physics Laboratory (1) (NMCCNS PHYS 1111).** Laboratory investigations related to lecture material. Meets three hours per week. Concurrent enrollment: PHYS 151. (F)

**PHYS 152 General Physics (3) (NMCCNS PHYS 1123).** Continuation of PHYS 151. Prerequisites: PHYS 151/L; college algebra (or higher) with a grade of "C" or higher. Concurrent enrollment: PHYS 152L. (S)

**PHYS 152L General Physics Laboratory (1) NMCCNS PHYS 1121).** Continuation of PHYS 151L. Meets three hours per week. Concurrent enrollment: PHYS 152. (S)

## Political Science (PSCI)

**PSCI 101 Introduction to Political Science (3) (NMCCNS POLS 1113).** 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) (NMCCNS POLS 1123).** 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 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. (Odd S)

**PSCI 268 Workshop in Political Science (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**PSCI 293 Topics in Political Science (1-3).** As announced. (May be repeated for credit if topics are different.)

**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. (Even F)

**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. (Even S)

**PSCI 305 Critical Analysis of Research (3).** Analysis of methods, philosophy and sources of research, emphasizing use of scientific method and critical thinking. Examination of topical research and case studies. (S)

**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. (Odd S)

**PSCI 307 Law and Morality (3).** Study of the relation between law and morality; surveys political, legal and moral philosophers and judicial opinions. Prerequisite: PSCI 102. (Even 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. (TBA)

**PSCI/PSY 312 Psychology of Global Political Behavior (3).** Examines personal, situational and systemic causes of political behavior both within and across national boundaries. Focuses on the role psychology plays in the way power affects global human rights, the environment and justice. Fulfills General Education Global/Diversity Requirement. (F, S)

**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. (F 2016)

**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 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. (F 2017)

**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. (F)

**PSCI 402 Middle East Politics (3).** Examines the major conflicts in the Middle East and the prospects for their resolution. Critical analysis of the political-historical foundations of the Middle East from an international relations approach. Prerequisites: PSCI 101, 102.

**PSCI 403 African Politics (3).** Investigation of the political systems and political economy of Africa. African nation-states and failed states are examined using a comparative political change approach. Prerequisites: PSCI 101, 102. (F 2016)

**PSCI 464 Contemporary Problems (3).** Current critical problems and issues in domestic and/or international relations. Prerequisites: PSCI 101, 102. (TBA)

**PSCI 468 Workshop in Political Science (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**PSCI 473 Political Economy of Less Developed Countries (3).** The political economy of development in lower- and middle-income countries. Theories of political economy are studied. Prerequisites: PSCI 101, 102. (F 2017)

**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 Politics and Ethics Seminar (3).** A seminar designed to explore fundamental principles of politics and ethics in order to prepare students for informed and committed civic engagement. Prerequisites: PSCI 101, 102. (Odd S)

**PSCI 488 Internship (3).** The applied study of the political environment of public sector with work experience. Department approval necessary and only three hours can be used toward the PSCI major. Prerequisites: PSCI 102; political science major; GPA 3.00; department approval of assignment and credit hours. (May be repeated for a maximum of 6 hours with instructor approval.) (F, S, Su)

**PSCI 491 Directed Study (1-3).** As announced. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval.

**PSCI 493 Topics in Political Science (1-3).** As announced. (May be repeated for credit if topics are different.)

## Psychology (PSY)

**PSY 101 Introductory Psychology (3) (NMCCNS PSYC 1113).** Psychology as the science of behavior. Physiological bases of behavior, sensation, perception, learning, emotion and motivation. (F, S)

**PSY 200 Human Growth and Development (3).** Physical, motor, perceptual, cognitive, emotional and social development throughout the lifespan. (F, S)

**PSY 201 Child Psychology (3).** Psychological, physiological and social development of childhood. (F, S)

**PSY 202 Adolescent Psychology (3).** Psychological, physiological and social development of adolescence. (F, S)

**PSY 207 Writing in Psychology (2).** Designed to develop students' APA writing and information literacy skills for the psychology major. Selected topics in several psychological domains are covered as students engage in information search and APA writing tasks. (F, S)

**PSY 293 Topics in Psychology (1-3).** As announced. (May be repeated for credit if topics are different.)

**PSY 300 Psychology of Adult Development (3).** Psychological, physiological and social development of adulthood. Prerequisite: PSY 101. (S, Su)

**PSY 302 Learning (3).** Theoretical foundations of learning and behavior management paradigms. Prerequisite: PSY 101. (F)

**PSY/PSCI 312 Psychology of Global Political Behavior (3).** Examines personal, situational and systemic causes of political behavior both within and across national boundaries. Focuses on the role psychology plays in the way power affects global human rights, the environment and justice. Fulfills General Education Global/Diversity Requirement. (F, S)

**PSY/SOC 324 Social Psychology (3).** Human interaction in social groups; the social aspects of human behavior. Prerequisite: SOC 101 or PSY 101. (F, S)

**PSY 337 Experimental Psychology I (3).** Introduction to experimental design and analysis in behavioral research. Topics include use and interpretation of statistical analysis in behavioral research, including hypothesis testing, t test, analysis of variance and introduction to factorial designs, as well as APA format and literature review process. Prerequisites: PSY 101; "C" or higher in STAT 213. (F)

**PSY 338 Experimental Psychology II (3).** Continuation of Experimental Psychology I; this course focuses on techniques in psychological research. Relevant ethical issues are addressed. Students conduct and evaluate research, as well as communicate research findings. Prerequisite: "C" or higher in PSY 337. (S)

**PSY 402 Abnormal Psychology (3).** Normal and abnormal behavior, etiology, psychodynamics, transient stress reactions, psychophysiological reactions, psychoneurotic reactions and the functional psychoses. Prerequisite: PSY 101. (F, S)

**PSY 411 Theories of Personality (3).** Personality theories with emphasis on description, dynamics and determinants of personality. Prerequisites: PSY 101; PSY 200 or 201 or 202 or 300. (S)

**PSY 421 Cross Cultural Psychology (3).** Comparison and documentation of variations in culturally learned differences in behavior as opposed to individual differences. Exploration of the psychological impact of differing cultural expectations. Prerequisite: PSY 101. (Odd F)

**PSY 435 Cognition (3).** Survey of cognitive psychology emphasizing the information processing approach to the study of mental behavior including attention, memory, language and problem solving. Prerequisite: PSY 101. (S)

**PSY 443 Theories of Psychological Counseling (3).** Current theories of counseling and application. Prerequisites: PSY 101; PSY 200 or 201 or 202 or 300. (F)

**PSY 445 Introduction to Multicultural Counseling (3).** Theories and research on counseling in a multicultural setting; current issues/concerns and counseling practices within the multicultural context. Prerequisite: PSY 101. (S)

**PSY 467 Physiological Psychology (4).** The relationship between psychological process and physiological activity; neurophysiological mechanisms present in behavior. Prerequisites: PSY 101. (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. (Even 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. (May be repeated for credit up to 10 credit hours.) Prerequisite: instructor approval.

**PSY 484 Senior Seminar (2).** Capstone course involving integration of knowledge and experiences in the major, completing an independent project (research, field placement, service learning) emphasizing oral and written communication skills, and completing program assessment. Recommend completing PSY 338. Prerequisites: PSY 337, senior psychology major. (F, S)

**PSY 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of six hours.) Prerequisite: instructor approval.

**PSY 493 Topics in Psychology (1-3).** As announced. (May be repeated for credit with advisor approval if topics are different.)

**PSY 495 Senior Thesis (1-3).** An independent, in-depth study of a psychological science issue/problem; involves writing a formal research proposal, securing IRB approval as appropriate, collecting and analyzing data, and formal oral and written APA format research report. (May be repeated for a maximum of three credit hours.) Must be senior psychology major. Prerequisites: PSY 338 and instructor approval.

## 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. (F, S)

**REL 105 Life of Christ (3).** The life, teachings and work of Christ as set forth in the Synoptic Gospels. (F)

**REL 107 Introduction to Religion (3) (NMCCNS RELI 1113).** A study of religion to include the universal forms of religious experience and expression and the classical forms of religious belief and practice. (F, S)

**REL 201 Principles of Textual Interpretation (3).** A study of the principles of interpretation and the application of these principles to selected portions of Scripture. (F)

**REL 211 The Book of Acts (3).** The work of Peter and other early Christian leaders; missionary journeys of Paul; spread of early Christianity. (Odd S)

**REL 220 Biblical Perspectives on Relationships (3).** Application of Biblical ethics and values to contemporary relationships including singleness, marriage and family life. (Odd S)

**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 six hours if topics are different.)

**REL 293 Topics in Religion (1-3).** As announced. (May be repeated for credit if topics are different.)

**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. (Even F)

**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. (Even F)

**REL 305 Historical Literature of the Old Testament (3).** A study of the historical books of the Hebrew Scriptures, from Joshua through Esther. (Even S)

**REL 310 The Poetical Literature of the Old Testament (3).** Hebrew poetry with emphasis on the Book of Psalms. (Odd F)

**REL 312 Philosophy of Religion (3).** Issues of religious thought, belief and practice, approached from a philosophical and historical perspective. (Even F)

**REL 315 Prophetic Literature of the Old Testament (3).** History, character, function and message of the Hebrew prophets. (Odd S)

**REL 320 Christian Ethics (3).** A study of Christian ethics in both its historical and biblical context. (Odd S)

**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. (Odd 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. (Even S)

**REL 334 Revelation and Apocalyptic Literature (3).** Interpretation of the Book of Revelation and other apocalyptic literature, including the books the Hebrew scriptures. (Odd 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. (S)

**REL 382 Counseling in Religion (3).** Needs and techniques of personal counseling with reference to religious values. (Even S)

**REL 402 World's Living Religions (3).** Comparative study of the great religions functioning in the world today. (F, S)

**REL 406 Pauline Writings I (3).** A study of First and Second Thessalonians and First and Second Corinthians. (Even F)

**REL 410 Pauline Writings II (3).** A study of Galatians and Romans. (Odd S)

**REL 415 Pauline Writings III (3).** A study of the Prison Epistles and the Pastoral Epistles. (Even S)

**REL 420 The General Epistles (3).** A study of Hebrews, James I and II, Peter and Jude. (Even S)

**REL/GR 423 Advanced Greek Translation and Exegesis (2).** Selected passages from the New Testament and other Greek writings. Prerequisite: GR 302 (F)

**REL/GR 424 Advanced Greek Translation and Exegesis (2).** Continuation of GR 423. Prerequisite GR 423 (S)

**REL 433 Biblical Archaeology (3).** Archaeology of the Near East, especially ancient Mesopotamia, the Levant and Egypt, with reference to Old Testament history. (Even 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. (Odd F)

**REL 464 The Inter-Testamental Era (3).** A study of Jewish and Mediterranean religions, cultures, history and literature during the period 500 BCE to 200 CE. (Odd S)

**REL 468 Workshop in Religion (1-3).** As announced. (May be taken for a maximum of six hours if topics are different.)

**REL 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.)

**REL 493 Topics in Religion (1-3).** As announced. (May be repeated for credit if topics are different.)

**REL 495 Senior Seminar (1).** Capstone course focusing on exegesis of scripture and preparation of a message. Required of all religion majors. (F, S)

## 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 knowledge of generalist social work practice settings, current generalist social work standards, practices, values and the NASW Code of Ethics. This course is open to all students. (F, S, Su)

**SWK 311 Social Work Practice I – Individuals (3).** Generalist social work practice. Overview of individual client systems and integrating research and theory with practice. Development of skills and techniques (engagement, interviewing, data collection, assessment, interventions, evaluation) in working with individual clients and within the diversity of Southwestern cultures. This course is restricted to SWK majors only. (F)

**SWK 312 Social Work Practice II – Families (3).** Integrating theories, skills and values of generalist social work practice with diverse families. Covers family dynamics, assessments, interventions, parenting strategies and issues affecting family functioning. This course is restricted to SWK majors only. (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, spiritual and political influence. Study of individual and family development. Role of oppression, gender, social and economic justice in society. This course is open to all students. (F)

**SWK 322 Human Behavior in the Social Environment (HBSE) II (3).** Theories of the development and direction of human behavior in individuals, families, small groups and communities/organizations. Focus on small group process development, values, oppression and empowerment in groups. This course is restricted to SWK majors only. Prerequisite: SWK 321. (S)

**SWK 334 Introduction to Social Research (4).** Basic statistical analysis/interpretation and 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. This course is open to all students. (F)

**SWK 341 Social Welfare Policy I (3).** Cultural, economic, political and policy processes and their influences on historical 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. This course is restricted to SWK majors only. (F)

**SWK 345 Working with Aging Populations (3).** Integration of theories, skills and practice needed to provide generalist social work services to aging populations. Will consider social and economic justice, societal values and interrelationships between the aging population and achieving practice objectives. Will include working with individuals, families, groups, communities/organizations in rural populations of the SW. This course is open to all students. (F, S)

**SWK 349 Perspectives in Mental Health (3).** Knowledge of theories and development of practice and service skills for a generalist social worker with an emphasis on mental health. Will include providing services and practice to rural populations of the Southwest. This course is open to all students. (F)

**SWK 361 Preparation for Field Placement (3).** Seminar preparing students for social work field placement. Reviews career development, self knowledge, professional ethics and behavior, use of supervision, confidentiality, insurance/liability, field policies, licensure and community social services agencies. This course is restricted to SWK majors only. (S)

**SWK 413 Social Work Practice III – Small Groups (3).** Integration of theories, skills and values of generalist social work practice in small group settings both natural and created. Group methods, leadership, diversity, values, oppression, empowerment and justice issues covered. This course is restricted to SWK majors only. (F)

**SWK 414 Social Work Practice IV – Communities (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. This restricted to SWK majors only. (F, S)

**SWK 416 Public Child Welfare (3).** Current child welfare laws, policies and culturally competent practices. Covers protective services interventions, permanency planning, foster care, adoptions and the needs of abused and neglected children and their families. This course is open to all students. (S)

**SWK 425 Southwest Peoples and Cultures (3).** Includes a focus on social welfare issues, policies and programs for Hispanics/Latino(a)s, Native Americans, African Americans and rural Southwestern populations. This course is open to all students. (F)

**SWK 444 Social Welfare Policy II (3).** Research and analysis of current and pending legislation and social welfare policies and issues, budgets, programs and services. Covers federal, state and local policy development processes and implementation with an emphasis on current policy and issues of social and economic justice. This course is restricted to SWK majors only. (S)

**SWK 447 Impact of Child Abuse and Neglect (3).** Skill development needed to recognize and provide services with consideration of the effects of abuse and neglect of children. This course is open to all students. (S)

**SWK 450 Inside Family Violence (3).** Examination of antecedent behaviors, prior family history and other contributory factors as predictors of family violence. Prevention services for victims and potential offenders as well as consequential options will be discussed. This course is open to all students. (S)

**SWK 451 Field Seminar I (3).** Fundamental course in field related issues. Introduces social work knowledge, values and skills into student field placement experience. Concurrent enrollment: SWK 455. Prerequisite: SWK 361. This course is restricted to SWK majors only. (F)

**SWK 455 Field Placement I (3).** Beginning field experience. Provides field instruction and practice experiences to develop and demonstrate core competencies of social work practice. Field placement connects knowledge learned in courses to generalist practice in approved field settings. Requires 240 total clock hours. Concurrent enrollment: SWK 451. Prerequisite: SWK 361. This course is restricted to SWK majors only. (F)

**SWK 461 Field Seminar II (3).** Intermediate to advanced course in field related issues. Students must integrate social work knowledge, values and skills into field experiences with greater independence. Concurrent enrollment: SWK 465. Prerequisite: SWK 451. This course is restricted to SWK majors only. (S)

**SWK 465 Field Placement II (3).** Intermediate to advanced field experience. Provides field instruction and practice experiences to develop and demonstrate core competencies of social work practice. Field Placement connects knowledge learned in courses to generalist practice in approved field settings. Requires 240 total hours. Concurrent enrollment: SWK 461. Prerequisite: SWK 455. This course is restricted to SWK majors only. (S)

**SWK 468 Workshop in Social Work (1-3).** As announced. (May be repeated for a maximum of six credit hours if topics are different.)

**SWK 489 Internship in Social Work (1-4).** Supervised on-the-job experience related to the discipline. Variable credit dependent on hours completed at agency and supporting academic assignments submitted. Grading is satisfactory/unsatisfactory. (May be repeated for a maximum of four credits.) Prerequisite: advisor and department chair approval. This course is restricted to SWK majors only. (F, S, Su)

**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 if topics are different.)

**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. This course is restricted to SWK majors only. (S)

## Sociology (SOC)

**SOC 101 Introduction to Sociology (3) (NMCCNS SOCI 1113).** General overview of the field, including basic concepts, perspectives and approaches. (F, S)

**SOC 212 Contemporary Social Issues (3) (NMCCNS SOCI 2113).** Assessment of current social problems in the USA. (S)

**SOC 215 Marriage and the Family (3) (NMCCNS SOCI 2213).** Social aspects of family living with emphasis on mate selection, courtship, engagement, marriage and parenting in a changing society. (F)

**SOC 268 Workshop in Sociology (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**SOC 280 SOC/CJ Major Orientation (1).** Introduction to essential skills, methods and ethical/legal standards used in sociology and criminal justice disciplines. To be taken by SOC or CJ majors concurrently with first upper-division course. (F,S)

**SOC 293 Topics in Sociology (1-3).** As announced. (May be repeated for credit if topics are different.)

**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, S)

**SOC 303 Race, Ethnicity and Gender (3).** An exploration of historical and contemporary conditions of social difference and discrimination related to race, ethnicity and gender. (F, S)

**SOC 311 Collective Behavior (3).** Behavioral patterns associated with social change and disorganization including crowds, masses and public and social movements. Prerequisite: SOC 101. (F)

**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: three hours of sociology. (S)

**SOC/PSY 324 Social Psychology (3).** Human interaction in social groups; the social aspects of human behavior. Prerequisite: SOC 101 or PSY 101. (F, S)

**SOC/ANTH 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 243 or SOC 101. (Odd F)

**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. (F)

**SOC 411 Contemporary Sociological Theory (3).** Major contributions to sociological theory during the twentieth century. Prerequisite: SOC 101. (S)

**SOC 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. (F, S)

**SOC 416 Sociology of Media (3).** An analysis of the media as a social institution, including different types of media (i.e. television, film, internet, print) and their effects on society. (Even F)

**SOC 417 Sociology of Medicine (3).** The study of the sociocultural factors that influence causation, amelioration and prevention of mental and physical illness and social influences on medical education, medical practice and hospital administration. (Odd S)

**SOC 419 Sociology of Law (3).** The study of the relationship between law, social structure and processes of law creation, interpretation, enforcement and modification, and an examination of police, judicial, jury behavior and the legal profession itself. (Even S)

**SOC 420 Drugs and Society (3).** Use of legal and illegal drugs throughout history, including current legal issues, political economy, addiction and crime, religious use, marketing/advertising and the effects of drug policy. (Odd S)

**SOC 431 Deviant Behavior (3).** The nature, types and societal reactions to deviant behavior; includes deviant subcultures. Prerequisite: SOC 101. (S)

**SOC 434 Social Research Methods (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. (F, S)

**SOC 468 Workshop in Sociology (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: SOC 101.

**SOC 489 Internship (4).** Extension of academic experience to an organizational setting within a social/community services type of agency; work-related experience under agency supervision. Credit hours earned cannot be used to satisfy major or minor elective requirements in sociology. Prerequisites: SOC 402 or 411, 434; approval of agency and instructor.

**SOC 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: SOC 101.

**SOC 493 Topics in Sociology (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: SOC 101.

## Spanish (SPAN)

**SPAN 101 Beginning Spanish (4) (NMCCNS SPAN 1114).** 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) (NMCCNS SPAN 1124).** 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 106 Spanish for Health Care Professions (4).** Development of speaking, reading and writing skills and introduction to linguistic structures, in a health care context. (F, Su)

**SPAN 107 Continuation of Spanish for Health Care Professions (4).** Continuation of SPAN 106. Prerequisite: SPAN 106. (S)

**SPAN 201 Intermediate Spanish (3) (NMCCNS SPAN 2113).** Grammar review, conversation and reading at the intermediate level. Prerequisite: SPAN 102, 105 or placement test. (F)

**SPAN 202 Continuation of Intermediate Spanish (3) (NMCCNS SPAN 2123).** 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 210 Short Readings in Hispanic Culture: Immersion (3).** Short readings in Hispanic culture and civilization in an immersion setting. Prerequisites: SPAN 102, 105, or placement test. (Su)

**SPAN 212 Short Readings in Hispanic Literature: Immersion (3).** Short readings in Hispanic literature in an immersion setting. Prerequisite: SPAN 102, 105 or placement test. (Su)

**SPAN 268 Workshop in Spanish (1-3).** As announced. (May be repeated for credit if topics are different.)

**SPAN 293 Topics in Spanish (1-3).** As announced. (May be repeated for credit if topics are different.)

**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. (Even S)

**SPAN/ANTH/ENG 303 Storytelling at the Crossroads: Latin American Literature and Science (3).** This interdisciplinary course examines the production of knowledge in the border zone between literature and social sciences, through a regional and cultural focus on Latin America. Experimental texts are examined including those that blur the following genres: novels, mysteries, science fiction, ethnography, autobiography, music and life history. Fulfills General Education Global/Diversity Requirement. (Odd S)

**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. (Even 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. (Odd F)

**SPAN 331 Survey of Latin American Literature (3).** Latin American literature, its history and major works. Prerequisite: SPAN 311. (Even F)

**SPAN 332 Survey of Latin American Literature (3).** Later Latin American literature, its history and major works. Prerequisite: SPAN 311. (Odd S)

**SPAN 351 Survey of Peninsular Literature (3).** Peninsular literature, its history and major works. Prerequisite: SPAN 311. (Odd F)

**SPAN 352 Survey of Peninsular Literature (3).** Contemporary Peninsular literature, its history and major works. Prerequisite: SPAN 311. (Even 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: instructor approval. (Odd Su)

**SPAN 410 Hispanic Culture and Civilization: Immersion (3).** Study of Hispanic culture and civilization in an immersion setting. (Su)

**SPAN 411 Hispanic Literature: Immersion (3).** Study of Hispanic 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. (Odd S)

**SPAN 468 Workshop in Spanish (1-3).** As announced. (May be repeated for credit if topics are different.)

**SPAN 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**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. Prerequisite: second semester junior or senior standing. (May be repeated for credit.) (F, S)

**SPAN 493 Topics in Spanish (1-3).** As announced. (May be repeated for credit if topics are different.)

**SPAN 494 Senior Capstone (1).** Weekly activities with emphasis on building a portfolio and creating an appropriate resume to position students well in preparation for graduate study or professional careers. Skills assessment will allow students to identify and address any proficiency or performance weakness before graduation. (S)

## Statistics (STAT)

**STAT 213 Statistical Methods I (4) (NMCCNS MATH 2114).** Beginning course in basic statistical methodology: measures of central tendency, variability and association; probability and sampling distributions; estimation of parameters and testing hypotheses. Prerequisite: MATH 106 or 107 or 119 or 124 with a grade of "C" or higher. (F, S)

**STAT 268 Workshop in Statistics (1-3).** As announced. (May be repeated for a maximum of six hours if topics are different.)

**STAT 293 Topics in Statistics (1-3).** As announced. (May be repeated for credit if topics are different.)

**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 with a grade of "C" or higher. (S)

**STAT 403 Probability and Mathematical Statistics (3).** Probability theory, discrete and continuous probability distributions, mathematical expectation and moment generating functions. Prerequisite: MATH 132 with a grade of "C" or higher. (Odd 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; MATH 119 or 124. (Odd S)

**STAT 468 Workshop in Statistics (1-3).** As announced. (May be repeated for a maximum of three hours if topics are different.)

**STAT 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

**STAT 493 Topics in Statistics (1-3).** As announced. (May be repeated for credit if topics are different.)

## Theatre (THTR)

**THTR 101 Introduction to Performance (3).** Fundamentals of sound acting techniques for the beginning performer. This course is paired with Freshman Seminar UNIV 101. (F)

**THTR 102 Voice and Movement (3).** Targets needs of actors as well as students wishing to enhance their presentation skills and improve their speaking voices. Topics include mechanisms of speech, breath control, phonation, resonance, articulation, projection, tempo, pitch and the IPA. Movement techniques include exercises from Laban, Lecoq, Michael Chekhov, Suzuki, among other specialists. (Odd F)

**THTR 111 Theatre Appreciation (3) (NMCCNS THTR 1113).** 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 113 Film Appreciation (3).** Basic theories of performance arts as applied to film. Includes application through discussion and exploration of acting, directing, writing, analysis and production of film. (F, S)

**THTR 121 Beginning Acting (3).** Techniques, principles of stage movement and basic problems common to all actors. (F, S)

**THTR 201 Costume Construction (3).** Introduction to the tools, materials, methods and craft of costume construction, grounded in a brief survey of costume history. Hands-on course in which students learn to drape, pattern, cut, alter and sew basic costume pieces. (TBA)

**THTR 202 Acting for the Camera I (3).** Preparation for the fundamentals of acting for the cold camera with a particular attention to the actor's use of self and being in the moment. Covers audition techniques, readings, scene work and performance in a short film. Industry vocabulary such as shot size and eye-line as well as vocal requirement for the screen. Prerequisite: THTR 101 or 121. (F)

**THTR 204 Stagecraft and Graphics (3).** Theory and practice of modern techniques in the construction and rigging for theatre. Basics of the use of drafting as a communication tool. (Even S)

**THTR 213 Theatre History I (3).** Surveys the history of theatre and drama from Ancient Greece through the English Restoration. Conventions of theatrical production and exploration of the contemporary relevance of certain ideas and values in historical drama. (Even F)

**THTR 214 Theatre History II (3).** History of theatre and drama from French Neoclassicism to the present day. Study of avant-garde manifestos, the political theatre of Bertolt Brecht, and the origins and development of the contemporary theatre. (Odd S)

**THTR 268 Workshop in Theatre (1-3).** As announced. (May be repeated for credit if topics are different.)

**THTR 293 Topics in Theatre (1-3).** As announced. (May be repeated for credit if topics are different.)

**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 committee; department approval. (F, S, Su)

**THTR 301 Intermediate Acting (3).** Development of voice, body, mind and emotions. Practice in dramatic situations stressed. Prerequisite: THTR 101 or 121. (Even F)

**THTR 303 Directing Actors (3).** Focuses on eliciting a believable performance from an actor cast in either stage or film. Fundamental elements of directing the movements, business and emotions of the actor in a play or film script. Prerequisites: THTR 101 or 121; DFM 115. (Odd S)

**THTR 304 Theatrical Design (3).** An introduction to the elements and principles of design as demonstrated through the modeling and rendering techniques used in the development of costumes, scenery and lighting for the theatre. (TBA)

**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 301. (Odd S)

**THTR 324 Workshop in Playwriting (3).** Techniques of playwriting through theoretical studies and practical exercises. Introduces the playwriting process which includes cold reading, dramaturgy, feedback and rewrites. Prerequisite: DFM 115. (Even F)

**THTR 325 Style and Content in Production Design (3).** Focuses on the choices that directors and designers make in the process of determining the "look" of a show or film. Considerations will include style and its relationship with the content of the script, how to translate general concepts about style and content into actual material choices, and how to coordinate style elements within a production. Prerequisite: ART 135. (Odd F)

**THTR 330 Theatrical Performance and Production (1).** Students will participate in University Theatre Center productions as cast or as significant crew members. The student must fulfill all requirements of the cast or crew position for which they have committed as verified by the director or supervising faculty. May be repeated for up to six credits. (F, S)

**THTR 402 Open Laboratory (3).** Begins with study of significant writers, directors or performance artists as inspiration for devised work by students in the class. The product of the class will be a series of public performances. (Even S)

**THTR 404 Acting for the Camera II (3)**. Furthers technical expertise begun in THTR 202. Prerequisite: THTR 202. (Even S).

**THTR 410 The Business of Show Business (3).** At the conclusion of this career-oriented course, students will have an actor's reel, audition portfolio; know how to write sample query letters and navigate the professional world. Trade and industry papers are the texts for the course. (Even S)

**THTR 411 Children's Theatre (3).** Explores the process of developing a production for children, by children. Topics include creative dramatics, rehearsal games and techniques as well as youth performance. (TBA)

**THTR 412 Advanced Stage Directing (3).** Directing for the stage; includes advanced scene work techniques and modern trends in directing theories. Prerequisite: THTR 303. (TBA)

**THTR 468 Workshop in Theatre (1-3).** As announced. (May be repeated for credit if topics are different.)

**THTR 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of four credits.) (F, S, Su)

**THTR 493 Topics in Theatre (1-3).** As announced. (May be repeated for credit if topics are different.) Prerequisite: instructor approval. (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 committee and department approval. (F, S, Su)

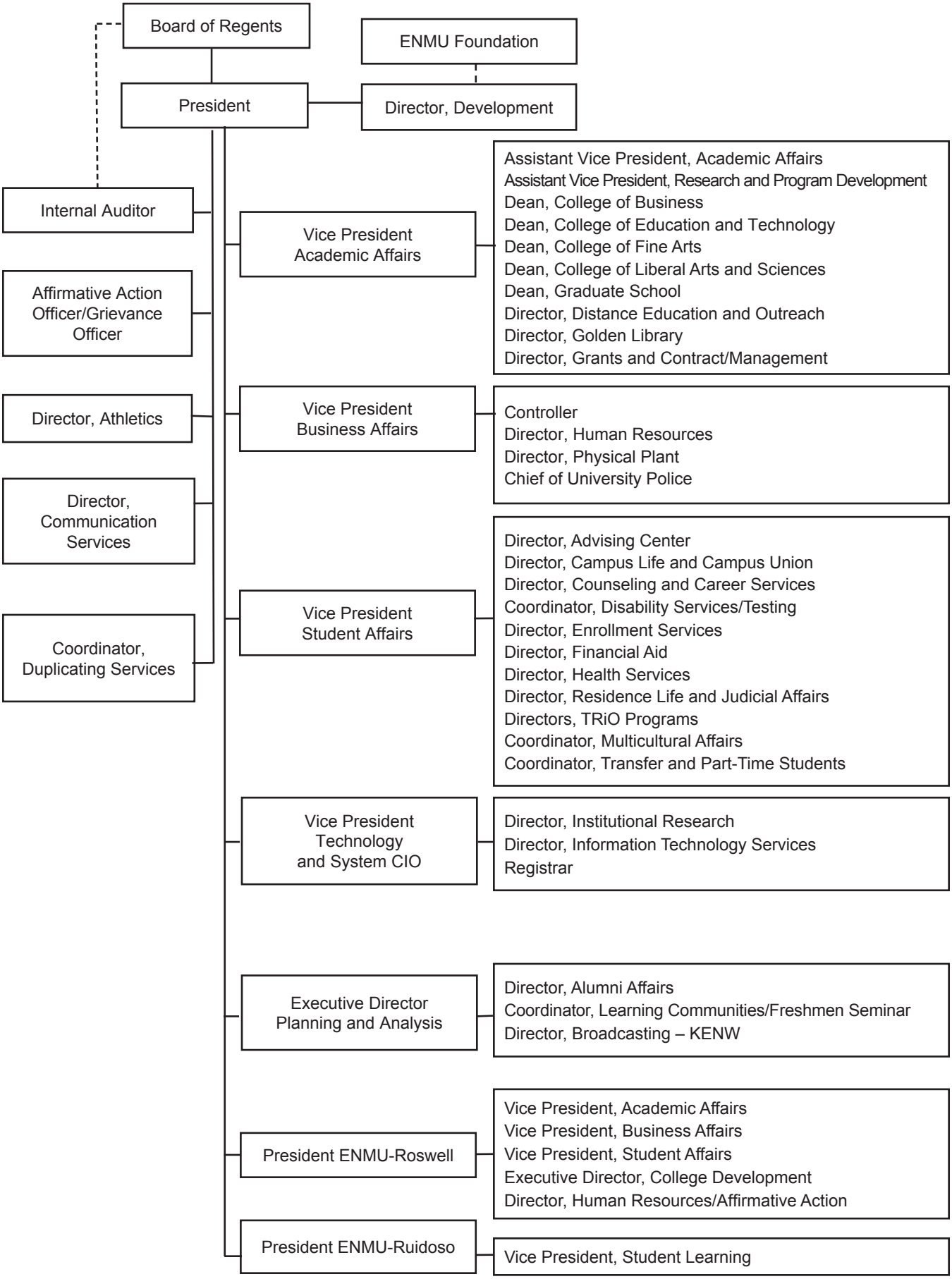
## University (UNIV)

**UNIV 097 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 associate or baccalaureate 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, S)

# Administrative Chart



# Administration, Faculty and Staff

## Board of Regents

Governor of New Mexico (Ex-officio) ..... The Honorable Susana Martinez
President ..... Jane Christensen
Vice President ..... Terry Othick
Board Member ..... Veronica Ayala
Board Member ..... Dan Patterson
Board Member ..... Susan Tatum

## Office of the President

President ..... Steven G. Gamble
- Director, Athletics ..... Jeff Geiser
- Director, Development ..... Noelle Bartl
- Director, Communication Services ..... John Houser
- Internal Auditor/Affirmative Action Officer ..... Ashley Keefer
- Grievance Officer ..... Dean Garcia
- Special Assistant to the President ..... Ronnie Birdsong

## Office of Academic Affairs

Vice President ..... Jamie Laurenz
- Assistant Vice President, Academic Affairs ..... Reneé Neely
- Assistant Vice President, Research and Program Development; Director, Agency for Conservation Archaeology ..... John Montgomery
- Dean, College of Business ..... Janet Buzzard
- Dean, College of Education and Technology ..... Penny Garcia
  - Chair, Department of Educational Studies ..... Katherine Good
  - Chair, Department of Curriculum and Instruction ..... Mary Kallus
  - Coordinator, Counseling Programs ..... Vacant
  - Chair, Department of Family and Consumer Sciences and Agriculture ..... Darron Smith
  - Chair, Department of Health and Physical Education ..... Dean Culpepper
  - Coordinator, Teacher Education ..... Joan Accardi
  - Director, Child Development Center ..... Elaine Gard
- Interim Dean, College of Fine Arts ..... John Olsen
  - Chair, Department of Art ..... Brad Hamann
  - Chair, Department of Communicative Arts and Sciences ..... Patricia Dobson
  - Chair, Department of Music ..... Dustin Seifert
  - Chair, Department of Theatre and Digital Filmmaking ..... Neil Rutland
- Dean, College of Liberal Arts and Sciences ..... Mary Ayala
  - Assistant Dean, College of Liberal Arts and Sciences ..... Thomas Brown
  - Chair, Department of Anthropology and Applied Archaeology ..... Kathy Durand Gore
  - Chair, Department of Biology ..... Kenwyn Cradock
  - Chair, Department of Health and Human Services ..... Suzanne Swift
  - Chair, Department of History, Social Sciences and Religion ..... Suzanne Balch-Lindsay
  - Chair, Department of Languages and Literature ..... Carol Erwin
  - Chair, Department of Mathematical Sciences ..... Regina Aragon
  - Chair, Department of Physical Sciences ..... James Constantopoulos
  - Chair, Department of Psychology and Political Science ..... Thomas Brown
  - Director, University Writing Programs ..... Opal Greer
- Dean, Graduate School ..... Linda Weems
- Director, Distance Education and Outreach ..... Patricia Maguire
- Director, Grants and Contract Management ..... Vacant
- Director, Golden Library ..... Melveta Walker

## Office of Business Affairs

Vice President ..... Scott Smart
- Controller ..... Carol Fletcher
- Director, Human Resources ..... Benito Gonzales
- Director, Physical Plant ..... Ted Fares
- Chief, University Police ..... Bradley Mauldin

## Office of Technology and System CIO

Vice President ..... Clark Elswick
- Director, Information Technology Services ..... Clark Elswick
- Director, Institutional Research ..... James Atkinson
- Registrar ..... Teresa Baker-Evans

## Office of Planning and Analysis

Executive Director, Planning and Analysis ..... Patrice Caldwell
- Director, Alumni Affairs ..... Robert Graham
- Coordinator, Freshman Seminar and Eastern Learning Communities ..... Cheryl Pachak-Brooks
- Director, Broadcast Center KENW-TV ..... Duane W. Ryan

## Office of Student Affairs

Vice President ..... Jeffrey Long
- Director, Academic Advising ..... Susan Cramp
- Director, Campus Life, Activities and Campus Union ..... Draco Miller
- Director, Counseling and Career Services ..... Susan Larsen
- Coordinator, Disability Services/Testing ..... Vacant
- Director, Enrollment Services ..... Cody Spitz
- Director, Financial Aid ..... Brent Small
- Director, Food Services ..... Wayne Doney
- Director, Residence Life and Judicial Officer ..... Steven Estock
- Director, Student Support Services ..... Reta Neal
- Director, Talent Search ..... Doris Anaya
- Director, Upward Bound ..... Juan Rivas
- Coordinator, Multicultural Affairs ..... Diana Cordova
- Coordinator, Transfer and Part-Time Students ..... Vacant

## Eastern New Mexico University-Roswell

President....John Madden
- Vice President, Academic Affairs....Ken Maguire
- Vice President, Business Affairs....Eric Johnston-Ortiz
- Vice President, Student Affairs....Mike Martinez
- Vice President, External Affairs....Vacant
- Executive Director, College Development....Donna Oracion
- Dean, Business and Science....Chad Smith
- Interim Dean, Health....Susan Golden
- Interim Dean, Liberal Arts....Joan Arnold
- Director, Admissions and Records....Dr. Linda Neel
- Interim Director, Adult Basic Education....Hilda Pacheco-Peoples
- Director, Budget and Finance....Vacant
- Director, Center for Workforce and Community Development....Vacant
- Director, Computer Services....Vacant
- Interim Director, Financial Aid....Ana Bhakta
- Executive Director, Human Resources....Lloyd Steve Chambers
- Director, Learning Resource Center....Rollah Aston
- Interim Director, Physical Plant....Derek Dubiel
- Director, Special Services....Sigrid Webb
- Director, Student Outreach....Greg Martinez
- Director, Student Union....Frank Gonzalez
- Interim Director, Testing Services....Marisela Alvidrez

## Eastern New Mexico University-Ruidoso

President....Clayton Alred
- Vice President, Student Learning....Pierre Laroche
- Director, Library....James Pawlak
- Director, Workforce Development, ABE....John Hemphill
- Director, Business Office....Sheila Farquer
- Manager, Physical Plant....John Burns
- Director, Community Education and Marketing....Coda Omness
- Coordinator, Student Advising....Vacant
- Manager, Bookstore....Sandy Stambaugh
- Director, Information Systems....Jim Weinman

## University Faculty

**Daniel Acheson-Brown** | 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** | Professor of Electronics Engineering Technology (1998) | B.S., M.S., Ph.D., University of Oklahoma

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**Arlene Berne** | Associate Professor Emerita of English
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**Meda Boutwell** (Clovis Campus) | Director Emerita of Library
**Duane Bowen** | Professor Emeritus of Music
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**Arthur Welker** | Assistant Professor Emeritus of Music
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**Steven Estock** | Director, Housing and Residential Life (2001) | B.A., Clarion University

**Adam Fajardo** | Client Support Specialist I (2014)

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**Sara Fares** | Safety Coordinator (2012) | B.S., Ohio University

**Ted Fares** | Director, Physical Plant (2010) | B.S., M.B.A., Ohio University

**Lora Ferguson** | Head Athletic Trainer (2011) | B.S., Abilene Christian University; M.Ed., Stephen F. Austin University

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**Darin Fike** | Custodial Services Manager (2008)

**Brandon Flen** | Systems Operation Specialist I (2014)

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**Dean Garcia** | Manager, Human Resources and Payroll (2013) | A.A.S., Mesalands Community College; B.S., Eastern New Mexico University

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**Draco Miller** | Director, Campus Life and Campus Union Building (2012) | B.S., M.S., Eastern New Mexico University

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## ENMU Legend

1 – Administration (ADM)
2 – Art and Anthropology (AA)
3 – Art Annex (AAX)
4 – Agriculture (AG)
5 – Campus Bookstore (BKST)
6 – Campus Union (CUB)
7 – Child Development Center (CDC)
8 – College of Business (COB)
9 – Computer Center (UCC)
10 – Communication Center (COM)
11 – Education (ED)
12 – ENMU Foundation (DEV)
13 – Family and Consumer Sciences (FCS)
14 – Council of Prof. Emeriti (COPE)
15 – Golden Library (LIB)
16 – Health Services (CUR)
17 – Jack Williamson Liberal Arts (JWLA)
18 – KENW Broadcasting Center (COM)
19 – Lea Hall (LH)
20 – Music (MB)
21 – Physical Plant (PP)
22 – Post Office (PO)
23 – Purchasing (PUR)
24 – Roosevelt Hall (RH)
25 – Science (S)
26 – Student Academic Services (SAS)
27 – University Police (UP)
28 – University Theatre Center (UTC)

29 – Athletic Weight Training Facility (AWTF)
30 – Athletic Practice Fields (APF)
31 – Baseball Field (BF)
32 – Greyhound Arena (GA)
33 – Greyhound Stadium (GS)
34 – Lewis Cooper Rodeo Arena (LCA)
35 – Natatorium Aquatic Center (NAT)
36 – Soccer Field (SF)
37 – Tennis Courts (CTS)
38 – Track and Field (TRK)
39 – Zia Softball Field (ZSF)

40 – Bernalillo Hall (BH)
41 – Curry Hall (CUR)
42 – Eddy Hall (EH)
43 – Guadalupe Hall (GH)
44 – Harding Hall (HH)
45 – Quay Hall (QH)
46 – San Juan Village (SJV – A, B, C, D)
47 – West Campus Apartments (WC)

48 – Baptist Student Union (BSU)
49 – Christian Campus House (CCH)
50 – Church of Christ Student Center (CC)
51 – Presbyterian Center (PCMC)
52 – Thomas More Newman Center (TMNC)
53 – Wesley Foundation (WF)

54 – Blackwater Draw Site (BWDS)
(site located 8 miles northeast of main campus on NM467)
55 – Blackwater Draw Museum (BWDM)
(museum located 8 miles east of main campus on Hwy70)
56 – Roosevelt County Museum (RCM)

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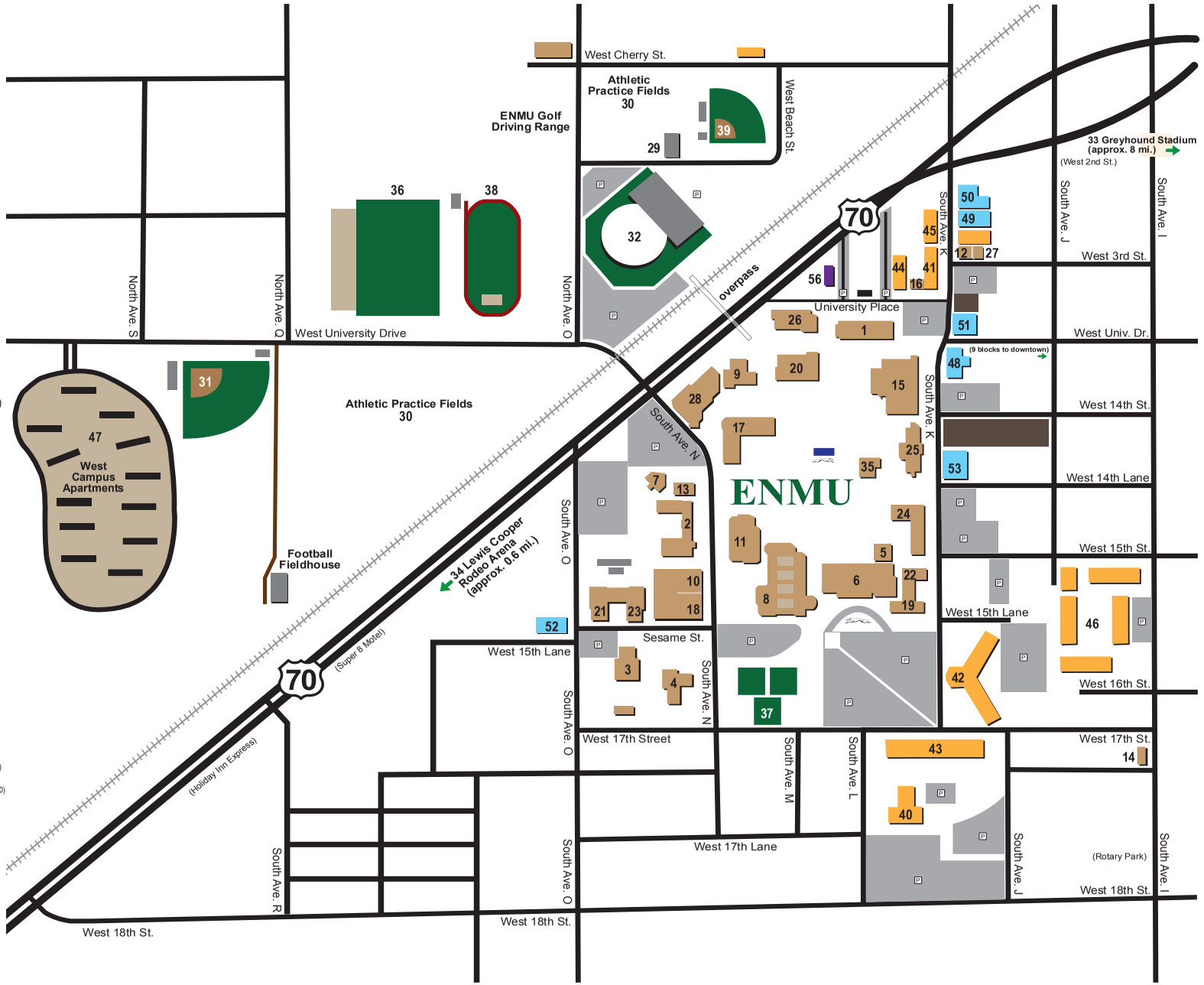
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