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University Notices

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 events and activities. We encourage students to become involved 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 y en 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 aportarle una educación de alta calidad, tanto dentro como fuera del salón de clase, con fines de prepararle 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.

University Accreditation

ENMU has been continuously accredited through the Higher Learning Commission (HLC) of the North Central Association since accreditation of undergraduate programs in 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 ENMU as authorized to offer programs in post-secondary education at both the undergraduate and graduate levels.

Higher Learning Commission:
Mail: 230 South LaSalle Street
Suite 7-500
Chicago, Illinois 60604-1413
Web: HLCommission.org
Phone: 800.621.7440

In addition, ENMU has earned accreditation from the following agencies:

- National Association of Schools of Music (NASM)
- Accreditation Council for Business Schools and Programs (ACBSP)
- American Speech-Language-Hearing Association (ASHA)
- Accreditation Commission for Education in Nursing (ACEN) (formerly National League for Nursing)
- Council for the Accreditation of Educator Preparation (CAEP)
- Council on Social Work Education (CSWE)

Accreditation information can be found at enmu.edu/academics/accreditation.

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.

Equal Educational Opportunity Policy

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 non-discrimination policy should contact:

Affirmative Action Officer
ENMU Station 21
1500 S Ave K
Portales NM 88130
Title IX Statement

No person in the United States, shall, on the 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). Additional information can be found online at enmu.edu/TitleIX.

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. See the Family Education Rights and Privacy Act (FERPA) information on Page 16 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 active at the time of publication. The catalog is not intended to be construed as contractual in nature.

Editors: Suzanne Balch-Lindsay
Nicole East

Layout/Design: Hartsfield Design

Cover Preparation: Rajamia Drain
About Eastern New Mexico University

The Mission

Eastern New Mexico University combines an engaging learning environment with current technology to provide a rich educational experience. ENMU focuses on:

- Preparing students for careers and advanced study,
- Promoting citizenship and leadership skills and values,
- Supporting excellence in teaching and research,
- Empowering students to respond to a rapidly changing world.

Vision Statement

Eastern New Mexico University emphasizes liberal arts education, freedom of inquiry, cultural diversity and whole student life. Excellent teaching and active learning define campus life relationships. Scholarship, both primary and applied, cultural enrichment, and professional service are also important contributions of the University community.

The Eastern community envisions a university where faculty and staff members instill in one another and in students a sense of social and cultural awareness and responsibility. The University accomplishes this by embracing and fostering diversity and inclusion among students, faculty and staff. The University engages well-qualified and fostering diversity and inclusion among students, faculty and staff. The University engages well-qualified and caring faculty and staff who treat one another with respect and work together to accomplish institutional goals and to mentor students.

Core Values

STUDENT SUCCESS

ENMU strives to provide educational services with a personal touch to all whom we serve, from students, visitors, and community members to New Mexicans across the state. ENMU expresses a commitment to providing personal attention to every student to assure each student’s success.

COLLEGIALITY

Eastern New Mexico University strives to create an equitable and ethical work environment that values and acknowledges the contributions of every member of the student body, faculty, and staff. Positive collaborations, across campus units, in classrooms, campus organizations, and educational settings, and across the University system, build an attitude of mutual respect and support in the University community.

ACCOUNTABILITY

ENMU provides a safe academic environment for learning, working, and contributing to its community through responsible allocation and monitoring resources. ENMU demonstrates ethical and responsible conduct and integrity within the campus community and in our institutional behaviors and practices.

Community

Through the University’s wide range of programs, its academic reputation, its partnerships with schools and businesses, and the community engagement of its faculty, employees, and students. ENMU strives to fulfill its civic responsibility and to be a source of economic development for its community and region.

Profile

Eastern New Mexico University, a state institution offering associate, bachelor, and master degrees, serves students from New Mexico, other states and other nations. We offer educational programs at the Portales campus and by distance education, and branch community colleges in Roswell, New Mexico, and Ruidoso, New Mexico. ENMU has been a respected center of learning for its region and the state since 1934, and continues to build on its rich heritage.

ENMU’s 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 dialogue and debate in a collegial environment. In addition, faculty and students are engaged in meaningful research activities to further the academic priorities.

Members of the ENMU community understand that education is a dynamic process that requires strategic planning, meaningful assessment, and thoughtful strategic decision-making. This process has the input of 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.

The University continues to produce alumni who are productive citizens and contributors to society and who can compete with graduates of other institutions. The ENMU Foundation provides exceptional funding for scholarships and program enhancements, and the Alumni Association actively supports the institutional goals. Additionally, the University has a supportive and collaborative relationship with the communities it serves.

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

Strategic Planning

The University strategic plan is updated annually, allowing the institution to 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 can be found at enmu.edu/strategicplan.
For more information on the Eastern New Mexico University Strategic Plan, contact the Office of Planning, Analysis and Governmental Relations by mail at:

ENMU Station 2
1500 S Ave K
Portales, NM 88130
Phone: 575.562.2315

History

Although it is 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. 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 officially designated Eastern New Mexico University in 1955.

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, New Mexico, 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. Winters are dry and mild, and 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, grain storage and shipping, and trucking are also present in Roosevelt County.

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 the Dr. Antonio “Tony” Gennaro Natural History Museum.

The ENMU-Portales campus has approximately 56 buildings and structures centered around 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, and various specials from time to time. The newscasts are produced by students under the direction of the KENW-TV news director. Students also assist with other KENW-TV productions.

The TV station is an affiliate of the Public Broadcasting Service (PBS), the National Educational Television Association (NETA), and American Public Television Stations (APTS). With digital technology, KENW-TV can broadcast four channels of TV 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. Channel 3-3 (SD) is KENW-TV’s Children/Encore service, with programs for youngsters being broadcast from 5 a.m. to 9 p.m. and encore programs for adults from 9 p.m. until 5 a.m. the next morning; Channel 3-4 carried the First Nations Experience (FNX) network which is programming for and about Native Americans and other indigenous people in the world. This channel is of particular interest to those living on the Mescalero Apache Reservation near Ruidoso. To cover this vast area, KENW-TV has a full-power digital transmitter located at the old Blackwater Draw Stadium site on Highway 70 between Portales and Clovis and nine other digital translators scattered around the eastern side of the State of New Mexico. In addition, DirecTV rebroadcasts KENW-TV’s Channel 3-1 and Dish Network carries KENW-TV’s Channel 3-2 for their subscribers to most counties in the State of New Mexico.

Students also assist in the operation of KENW-FM, an affiliate of National Public Radio (NPR), American Public Media (APM), Public Radio Exchange (PRX) 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. KENW-FM has six full-power FM transmitters and seven TV translators scattered throughout the eastern half of the state of New Mexico. KENW-FM is also available worldwide via the internet.

Golden Library, housed in the Golden Student Success Center (GSCC), holds a collection of books, videos, CDs, and United States and New Mexico government documents, and 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 certificates and degrees in academic and career/technical programs. Each semester, ENMU-Roswell provides educational opportunities to 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 and Associate of Arts and various certificate programs.

**Accreditation**

ENMU-Roswell is accredited as an operationally separate campus by The Higher Learning Commission. 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
- Nursing (with an emphasis in Education)
- 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
- Personal Financial Planning
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, Portales, NM 88130, phone, 575.562.2147. Prospective students may also obtain information or apply online at enmu.edu/GraduateSchool.

**Distance Education**

Eastern New Mexico University delivers online education programs and courses throughout the United States and abroad.

**State Authorization Reciprocity Agreement (SARA)**

SARA is an agreement among member states, districts and territories that sets national standards for interstate offering of post-secondary distance education courses and programs. Institutions recognized by SARA have confirmed that their programs and curriculum meet recognized national standards, allowing students to benefit from expanded access to quality educational offerings and institutions across state lines. New Mexico became a member on May 12, 2015. For the most current list of NM SARA institutions, visit: nc-sara.org/states/NM. Information on states with which Eastern New Mexico University has completed SARA agreements is available at enmu.edu/SARA.
Admission

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 official transcripts and/or documents. All items (including but not limited to official or unofficial transcripts, residency materials, test scores, etc.) submitted become property of ENMU. See the matrix on Pages 11 through 15 for admission requirements, documents required and procedures.

Note: Documents which have been submitted to the University as a requirement for admission become a part of the Registrar's official file. The University does not return, reissue, or certify copies of transcripts from other institutions. Transcripts must be ordered directly from the institution where the coursework was taken.

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, 575.562.2178, for any questions about 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 have their scores reported to ENMU.

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

See the matrix on Page 11-15 for admission requirements, documents required and procedures for first-time freshman.

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 but may meet other requirements.

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).
   a. Non-transferable courses (those not of college level) include but are not limited to basic skills level courses. Technical/Vocational courses are limited to use in specific degree programs.
   b. Grades of “D” cannot be used to meet requirements for a major or minor but may meet other requirements.
c. 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 39 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 38.

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

See matrix on Pages 11 through 15 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 U.S. citizens.

The international student must submit an acceptable statement of ability to meet financial responsibilities. A supporting letter from a bank, 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, a completed application form, official transcripts of high school and all previous college credit hours, and financial statements are required before evaluation for admission can begin. The applicant must request official transcripts and testing agencies scores be sent directly to ENMU. Transcripts from non-U.S. schools must be evaluated by a National Association of Credential Evaluation Services (NACES) 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 the application is being made. When these requirements are fulfilled, an I-20 Certificate of Eligibility and a letter of admission can be issued.

All on campus international students are required to attend a special orientation on enrollment. They must also present proof of health insurance prior to registration each semester. See matrix on Pages 11-15 for admission requirements, documents required, and procedures.

Mail all documents to:
Office of International Programs
ENMU Station 2
1500 S Ave K
Portales, NM 88130
international.advisor@enmu.edu

**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 38.

See matrix on Page 11-15 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 Pages 11-15 for admission requirements, documents required and procedures.

**SECOND DEGREES**

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

See matrix on Page 11-15 for admission requirements, documents required and procedures. Information about general academic requirements is available on Page 32-33.
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. Non-degree Seeking Fun Class – A student who has no intention of transferring the course from ENMU, who is taking a class for general knowledge or fun and wants to take “fun” classes at Eastern must:
   a. Apply for admission online at enmu.edu/Apply.

3. 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 Learning (DL Office). 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 reviewed by the DL Office 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 the Distance Learning Office at 575.562.2165.

4. Concurrent Enrollment for High School Students – A high school student desiring to earn college credit at ENMU while still enrolled in high school must:
   a. Apply for admission using the Concurrent Student Program for Secondary Students Form obtained by contacting the Office of Enrollment Services or online, enmu.edu/Concurrent.
   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 Enrollment Services representative.

   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 11-15 for admission requirements, documents required and procedures.

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 may speak with an Enrollment Services representative and 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.
## Admission Requirements and Procedures

### FIRST TIME FRESHMAN STUDENTS

<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First-Time Freshman</strong>&lt;br&gt;A student who has never taken college classes</td>
<td><strong>Final high/home school cumulative GPA of 2.5</strong>&lt;br&gt;<strong>AND</strong>&lt;br&gt;an ACT score of 14 or SAT 670 (through Feb. 2016)/SAT 760 (March 2016 and later) or higher&lt;br&gt;<strong>OR</strong>&lt;br&gt;ACT 17 or SAT 810 (through Feb. 2016)&lt;br&gt;ACT 17 or SAT 900 (March 2016 and later)&lt;br&gt;<strong>Fall 2020</strong>&lt;br&gt;Final high/home school cumulative GPA of 2.5&lt;br&gt;<strong>AND</strong>&lt;br&gt;an ACT score of 14 or SAT 780 or higher&lt;br&gt;<strong>OR</strong>&lt;br&gt;ACT 17 or SAT 920 or higher</td>
<td>Admission Application (paper or online)&lt;br&gt;Official (sealed) high school transcript&lt;br&gt;ACT or SAT score report</td>
</tr>
<tr>
<td>**First-Time Freshman</td>
<td>with hours (1)**&lt;br&gt;A student who has taken college classes while in high school</td>
<td></td>
</tr>
<tr>
<td>**First-Time Freshman</td>
<td>home school (2)**&lt;br&gt;A student who has been home schooled</td>
<td></td>
</tr>
<tr>
<td>**First-Time Freshman</td>
<td>Certificate of Completion (3)**&lt;br&gt;A student who has not met the requirements to receive a high school diploma but receives a Certificate of Completion</td>
<td></td>
</tr>
<tr>
<td>**First-Time Freshman</td>
<td>undocumented student**&lt;br&gt;A student who is a citizen of another country, but is unable to work or receive federal funding for their studies because of their legal status in this country</td>
<td></td>
</tr>
<tr>
<td>**First-Time Freshman</td>
<td>GED/HiSET**&lt;br&gt;A student under the age of 24 who has taken and passed the General Educational Development (GED) or High School Equivalency Test (HiSET)</td>
<td>**GED</td>
</tr>
</tbody>
</table>

(1) **First-Time Freshman with hours**: Official college transcripts are not required for admission, but will need to be provided for proper advising. No future registration is able to take place until the transcript has been received.

(2) **New Mexico Home Schooled and New Mexico Lottery Scholarship**: Completion of the New Mexico General Educational Development (GED) or New Mexico High School Equivalency Test (HiSET) is not required for admission but may be required in order to meet guidelines established for the New Mexico Lottery Scholarship. Contact the Office of Financial Aid at 575.562.2194 for additional information.

(3) **Certificate of Completion and Ability to Benefit**: Completion of the General Educational Development (GED) or High School Equivalency Test (HiSET) is not required for admission but strongly recommended in order to meet Ability to Benefit guidelines established for federal student aid.

**Note**: Students can be admitted on a 6th/7th semester transcript. Unweighted cumulative grade point average will be used to determine admission eligibility. Final official transcripts must be submitted before a student can register for an upcoming semester.
## TRANSFER STUDENTS

<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Time Freshman</strong></td>
<td>Final high school grade point average 2.5</td>
<td>Admission application (paper or online)</td>
</tr>
<tr>
<td>A student who is 24 years of age or older and has never taken college classes</td>
<td></td>
<td>Official (sealed) final high school transcript receiving a high school diploma</td>
</tr>
<tr>
<td><strong>First Time Freshman (GED/HiSET)</strong></td>
<td>GED</td>
<td>HiSET score report</td>
</tr>
<tr>
<td>A student who is 24 years of age or older and has never taken college classes and has received a General Educational Development Certificate (GED) or High School Equivalency Test (HiSET)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transfer Freshman (29 hours or less)</strong></td>
<td>2.0 cumulative college GPA AND Final high school grade point average 2.5</td>
<td>Admission application (paper or online) Official (sealed) transcripts from all colleges attended Official (sealed) final high school transcript receiving a high school diploma</td>
</tr>
<tr>
<td>A student who is 24 years of age or older and has completed 29 hours or less of college credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Roswell/Ruidoso (29 hours or less)</strong></td>
<td>2.0 cumulative college GPA AND Final high school grade point average 2.5</td>
<td>Admission application (paper or online) Official (sealed) transcripts from all colleges attended Official (sealed) final high school transcript receiving a high school diploma</td>
</tr>
<tr>
<td>A student who is 24 years of age or older and has completed 29 hours or less of college credit at one of our branches</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** ACT/SAT scores are not required for admission. For the purpose course placement, students may choose to take the ACT/SAT or arrange to take COMPASS placement testing through the Office of Testing. Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility.

## MILITARY STUDENTS

<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Degree Seeking</strong></td>
<td>Military students may choose to take the ACT/SAT or arrange placement testing through the Advising Center.</td>
<td>Admission application (paper or online)</td>
</tr>
<tr>
<td>A student who is currently on active duty military status seeking a degree.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Non-Degree Seeking</strong></td>
<td>Military students may choose to take the ACT/SAT or arrange placement testing through the Advising Center.</td>
<td>Admission application (paper or online)</td>
</tr>
<tr>
<td>A student who is currently on active duty military status taking courses for general knowledge.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Military students are admitted with an Admissions application (paper or online). Official transcripts from all colleges attended are needed for proper advising and course placement.
<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First-Time Freshman</strong></td>
<td>Final high school cumulative GPA of 2.5</td>
<td>International Student Application</td>
</tr>
<tr>
<td>A student who has never taken college classes</td>
<td>TOEFL score of 61 iBT (173 CBT, 500 PBT)</td>
<td>Non-U.S. high school transcript evaluated by a NACES-member organization (1)</td>
</tr>
<tr>
<td></td>
<td><strong>OR</strong></td>
<td>TOEFL or IELTS score report (2)</td>
</tr>
<tr>
<td></td>
<td><strong>OR</strong></td>
<td>ENMU Declaration of Finance with bank letter</td>
</tr>
</tbody>
</table>

| Transfer Freshman (U.S. college)      | 2.0 cumulative college GPA                                                    | International Student Application                                      |
| **29 hours or less**                  | TOEFL score of 61 iBT (173 CBT, 500 PBT)                                     | Non-U.S. high school transcript evaluated by a NACES-member organization (1) |
| A student who has completed 29 college credits or less at a U.S. institution | **OR**                                                                        | Official (sealed) transcripts from all U.S. colleges attended          |
|                                       | **OR**                                                                        | TOEFL or IELTS score report (2)                                       |
|                                       | **ENMU Declaration of Finance with bank letter**                             |                                                                        |

| Transfer Freshman (Non-U.S. college)  | 2.0 cumulative college GPA                                                    | International Student Application                                      |
| **29 hours or less**                  | TOEFL score of 61 iBT (173 CBT, 500 PBT)                                     | Non-U.S. high school transcript evaluated by a NACES-member organization (1) |
| A student who has completed 29 college credits or less outside the U.S. | **OR**                                                                        | All non-U.S. college transcripts evaluated by a NACES-member organization (1) |
|                                       | **OR**                                                                        | TOEFL or IELTS score report (2)                                       |
|                                       | **ENMU Declaration of Finance with bank letter**                             |                                                                        |

| Transfer (U.S. college)               | 2.0 cumulative college GPA                                                    | International Student Application                                      |
| **30 hours or more**                  | Official (sealed) transcripts from all U.S. colleges attended                |                                                                        |
| A student who has completed 30 college credits or more at a U.S. institution | ENMU Declaration of Finance with bank letter                                  |                                                                        |

| Transfer (Non-U.S. college)           | 2.0 cumulative college GPA                                                    | International Student Application                                      |
| **30 hours or more**                  | TOEFL score of 61 iBT (173 CBT, 500 PBT)                                     |                                                                        |
| A student who has completed 30 college credits or more outside the U.S. | **OR**                                                                        |                                                                        |
|                                       | **OR**                                                                        |                                                                        |
|                                       | All non-U.S. college transcripts evaluated by a NACES-member organization (1) |                                                                        |

(1) **NACES Evaluated Transcript**: ENMU requires a general evaluation including the grade point average or, to transfer college credits, a course-by-course evaluation including the grade point average.

(2) **TOEFL OR IELTS Scores**: Score reports can be replaced with an official letter from home institution confirming English as the language of instruction or documentation that the student is a native English speaker.

For specific question, please contact the Office of International Programs at 575.562.4697.
## ROSWELL OR RUIDOSO STUDENTS

<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transfer Freshman</strong></td>
<td>2.0 cumulative college GPA AND&lt;br&gt;Final high/home school grade point average 2.5 OR&lt;br&gt;ACT 17 or SAT 810/ACT 17 or SAT 900 (March 2016 and later)</td>
<td>Intra-campus application form&lt;br&gt;Official (sealed) transcripts from all colleges attended&lt;br&gt;Official (sealed) final high/home school transcript receiving a high school diploma&lt;br&gt;ACT or SAT score report</td>
</tr>
<tr>
<td><strong>(29 hours or less)</strong></td>
<td><strong>Fall 2020</strong> 2.0 cumulative college GPA AND&lt;br&gt;Final high/home school cumulative GPA of 2.5 OR&lt;br&gt;ACT 17 or SAT 920 or higher</td>
<td></td>
</tr>
<tr>
<td><strong>Transfer Freshman</strong></td>
<td>2.0 cumulative college GPA AND&lt;br&gt;ACT 17 or SAT 810/ACT 17 or SAT 900 (March 2016 and later)</td>
<td>Intra-campus application form&lt;br&gt;Official (sealed) transcripts from all colleges attended&lt;br&gt;GED</td>
</tr>
<tr>
<td><strong>(GED/HiSET)</strong></td>
<td><strong>Fall 2020</strong> 2.0 cumulative college GPA AND&lt;br&gt;ACT 17 or SAT 920 or higher</td>
<td></td>
</tr>
<tr>
<td><strong>(29 hours or less)</strong></td>
<td><strong>Transfer</strong> <strong>(30 hours or more)</strong> A student who has completed over 30 college credits or more</td>
<td>2.0 cumulative college GPA</td>
</tr>
<tr>
<td><strong>A student under the age of 24 who has taken and passed the General Educational Development (GED) or High School Equivalency Test (HiSET) and has completed 29 college credits or less</strong></td>
<td>2.0 cumulative college GPA AND&lt;br&gt;ACT 17 or SAT 810/ACT 17 or SAT 900 (March 2016 and later)</td>
<td></td>
</tr>
</tbody>
</table>

## SECOND DEGREE STUDENTS

<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Second Associate</strong></td>
<td>2.0 cumulative college GPA AND&lt;br&gt;official transcript indicating receipt of degree</td>
<td>Official (sealed) transcripts from all colleges attended</td>
</tr>
<tr>
<td><strong>A student who has already received an accredited associate degree and is pursuing a second associate degree</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Second Bachelor’s</strong></td>
<td>2.0 cumulative college GPA AND&lt;br&gt;official transcript indicating receipt of degree</td>
<td>Official (sealed) transcripts from all colleges attended&lt;br&gt;Note: If the student is an ENMU graduate, transcript(s) currently on file will be processed accordingly&lt;br&gt;If the student has taken coursework from another institution not on file, an official transcript will need to be submitted</td>
</tr>
</tbody>
</table>
## ADULT LEARNER STUDENTS

<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Time Freshman</strong></td>
<td>Final high school grade point average 2.5</td>
<td>Admission application (paper or online) Official (sealed) final high school transcript receiving a high school diploma</td>
</tr>
<tr>
<td><strong>First Time Freshman (GED/HiSET)</strong></td>
<td>GED</td>
<td>HiSET score report</td>
</tr>
<tr>
<td><strong>Transfer Freshman 29 hours or less</strong></td>
<td>2.0 cumulative college GPA AND Final high school grade point average 2.5</td>
<td>Admission application (paper or online) Official (sealed) transcripts from all colleges attended Official (sealed) final high school transcript receiving a high school diploma</td>
</tr>
<tr>
<td><strong>Roswell/Ruidoso 29 hours or less</strong></td>
<td>2.0 cumulative college GPA AND Final high school grade point average 2.5</td>
<td>Admission application (paper or online) Official (sealed) transcripts from all colleges attended Official (sealed) final high school transcript receiving a high school diploma</td>
</tr>
</tbody>
</table>

**Note:** ACT/SAT scores are not required for admission. For the purpose course placement, students may choose to take the ACT/SAT or arrange to take COMPASS placement testing through the Office of Testing. Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility.

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## NON-DEGREE STUDENTS

<table>
<thead>
<tr>
<th>Types</th>
<th>Requirements</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-Degree Seeking/Visiting</strong></td>
<td>Status of good standing at the student’s last college attended</td>
<td>Admission application (paper or online) Official (sealed) transcripts from last college attended OR Letter of good standing from last college attended</td>
</tr>
<tr>
<td><strong>Dual Enrollment</strong></td>
<td>Approval from a secondary representative</td>
<td>Dual Credit request form Appropriate signatures</td>
</tr>
<tr>
<td><strong>Concurrent Enrollment</strong></td>
<td>Approval from a secondary representative</td>
<td>Concurrent Student Admissions form Appropriate signatures</td>
</tr>
</tbody>
</table>
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 GENERAL EDUCATION (NON-TEACHING) REQUIREMENTS

Beginning in 2005, and confirmed in the 2016 New Mexico legislative session, courses successfully completed at any New Mexico public institution recognized through a state approval process as general education at that institution are guaranteed to transfer to any other New Mexico two- or four-year public institution as general education coursework for non-teaching degrees and programs. Effective in fall 2019, New Mexico requires a minimum of 30-31 hours of general education coursework for students to be designated as “General Education Complete” at any New Mexico institution for all Associates or Bachelor’s degrees, taken from each of these areas:

- Communications (6 Hours)
- Mathematics (3 Hours, minimum)
- Science with Lab (4 Hours)
- Social and Behavioral Science (3 Hours)
- Humanities (3 Hours)
- Creative and Fine Arts (3 Hours)
- “Flexible Nine”: A minimum of 9 credit hours identified by each institution.

The matrix of approved general education courses offered at ENMU can be found on page 47 of this catalog. For information on ENMU’s Philosophy of General Education, see page 46 of this catalog.

Students enrolling for first-year study who have not yet selected an academic focus or the institution from which they wish to graduate are advised to take courses during the freshman year approved for General Education. **Note:** Students preparing for careers in engineering, health sciences or other professional-related fields are advised that some coursework approved to meet general education may not meet specific major requirements. In those cases, those courses will apply toward elective requirements.

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.

NEW MEXICO COMMON COURSE NUMBERING: LOWER-DIVISION COURSES

Effective in fall, 2019, New Mexico has revised its “common course numbering system” (CCNS) to assign the same course prefix and number to lower-division courses that are equivalent among New Mexico public institutions, regardless of where taken. This system will assist students in understanding how their credits will apply at all state institutions and is in the process of implementation at all NM institutions. Because of this change, course prefixes and numbers at ENMU offered as 1xx/1xxx or 2xx/2xxx courses may change to the new system as new courses are given common numbers for
use state-wide. Navigation Guides are available online for ENMU students to check specific courses, and information is also available at 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, 2044 Galisteo Street, Santa Fe, NM 87505-2100; 505.476.8400, hed.state.nm.us.

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**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 New Mexico Higher Education Department. 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 (SAS), Room 107.

Out-of-state tuition is not charged during summer sessions, nor is out-of-state tuition charged to students taking six (6) or fewer semester credit hours during the fall or spring semesters. If enrolled for more than six (6) 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) or by calling 575.562.2615.

**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 (minus any aid), 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](http://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, 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 at [enmu.edu/Tuition](http://enmu.edu/Tuition), or by calling 800.367.3668, ext. 5.

In accordance with Title 38 US Code 3679(e), this educational institution adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post-9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from VA.

This educational institution will not:
- Prevent the student’s enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:
- Produce the VA Certificate of Eligibility (COE) by the first day of class;
- Provide a written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies.
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 is a New Mexico resident. Students are required to:
  - Request the reduction in tuition
  - Demonstrate evidence they meet the age requirement
  - Be a resident in New Mexico according to existing criteria for residency set by the University
  - Enroll for 6 or fewer credit hours 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 1 to 6 hours will be $5. If enrolled for more than 6 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 and the academic calendar.

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 requirement to live in campus-owned residences is noted in the Campus Residency Policy, see Page 27.

Board rates are set each year and are in place for the contract year of fall and spring semesters. Current costs for room rates, rentals, and meal plans 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...
### ENMU COURSE FEES

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
<th>Course</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 325, 331, 450</td>
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<td>CDIS 446</td>
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</tr>
<tr>
<td>AG 348, 349, 350, 351, 433</td>
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<td>CDIS 445, 501, 502, 503, 505, 589</td>
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<td>AG 421</td>
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<td>AG 300</td>
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<td>CHEM 1110L, 1215L, 1225L</td>
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<tr>
<td>AG 315</td>
<td>$75</td>
<td>CHEM 321L, 341L, 342L, 450L, 550L</td>
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<td>AGRI 1120</td>
<td>$10</td>
<td>CHEM 401L, 505L</td>
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<td>AGRI 1210, 1220</td>
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<td>COMM 1120, 1140, 2230, 2220, 2182, 302, 303, 304, 311, 327, 344 A-D, 360 A-C, 401, 402, 410, 412, 420, 422, 460</td>
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<tr>
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<td>ECED 1125</td>
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<td>ANTH 1120C</td>
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<td>ECED 2121, 2131</td>
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<td>ANTH 1190C</td>
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<td>ECED 485</td>
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<td>ANTH 522, 597, 599</td>
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<td>ECED 487</td>
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<td>ANTH 482, 583</td>
<td>$400</td>
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<td>$40</td>
<td>ELED 535, 537</td>
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<tr>
<td>ART 318</td>
<td>$70</td>
<td>ELED 460</td>
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<tr>
<td>ARTS 1810</td>
<td>$70</td>
<td>ELED 523</td>
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<tr>
<td>ARTS 1610, 1240, 1250, 1310, 1520, 2610</td>
<td>$90</td>
<td>FCST 304L</td>
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<tr>
<td>ART 312, 316, 324</td>
<td>$90</td>
<td>FCST 323, 335L</td>
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<td>FREN 1110, 1120</td>
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<tr>
<td>AXED 2110</td>
<td>$75</td>
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<td>BCIS 1110</td>
<td>$10</td>
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<td>BIOL 300L, 303L, 411L, 433L, 460L, 510L, 511L, 524L, 531L, 533L, 536L, 542L</td>
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<td>IS 281, 315, 343, 420, 430, 435, 440, 460</td>
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<td>BIOL 424L</td>
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<td>MUS 258, 270</td>
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<td>BIOL 410L, 420L</td>
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<tr>
<td>BIOL 304L</td>
<td>$40</td>
<td>SED 450, 460, 597</td>
<td>$100</td>
</tr>
<tr>
<td>BIOL 521L</td>
<td>$52</td>
<td>SPAN 1110, 1120, 2110, 2120</td>
<td>$30</td>
</tr>
<tr>
<td>BIOL 306L</td>
<td>$62</td>
<td>SPED 445, 547</td>
<td>$100</td>
</tr>
<tr>
<td>CA 104, 120, 125, 204, 220, 325, 327, 410, 470</td>
<td>$150</td>
<td>THEA 310, 468, 493, 2993, 2996</td>
<td>$40</td>
</tr>
<tr>
<td>CA 225, 330, 375, 425, 450, 455</td>
<td>$50</td>
<td>All Online Courses (per credit hour)</td>
<td>$17</td>
</tr>
</tbody>
</table>
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
Students who fail to pay their student account bill or any monies due and owing Eastern New Mexico University by the scheduled due date, and fail to make acceptable payment arrangements to bring their account current, may have their delinquent account referred to a collection agency. The student will be responsible for paying the collection agency fees which may be based on a percentage of the delinquent account, (maximum of 30%), together with all costs and expenses, including reasonable attorney fees necessary for the collection of the delinquent account.

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.
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 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, and may submit as early as Oct. 1 for the following school year.

Financial Aid Award Process

1. Complete the FAFSA. ENMU’s school code is 002651.
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 workstudy or 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 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 used for calculating financial aid awards at ENMU. Please contact the Office of Student Accounts for ENMU's actual costs.

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 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:

\[
\text{Estimated Cost of Attendance} - \text{(-) Expected Family Contribution} - \text{(-) Resources} = \text{Need Based Aid Eligibility}
\]

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.edu.

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

Disbursement will be prorated for students who are enrolled part-time (less than 12 credit hours).

Student loans require a minimum half-time enrollment, 6 credit hours for undergraduates, 5 credit hours for graduate students.

Students classified as graduates or levelers must be taking at least 6 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](http://studentaid.gov).

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 the ENMU Portal.

### Aid Disbursement

At the end of the drop/add period each semester, ENMU will automatically transfer a 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. Students 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.

U nawarded 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/R2T4, or by contacting the Office of Financial Aid at 575.562.2194.

Aid Disbursement

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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.

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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, Work-Study, 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:

<table>
<thead>
<tr>
<th>SAP REQUIREMENTS</th>
<th>Pace/ Completion Rate</th>
<th>GPA</th>
<th>Overall Maximum Time Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Year Certificate</td>
<td>67%</td>
<td>2.0</td>
<td>56 Attempted Hours</td>
</tr>
<tr>
<td>Associate</td>
<td>67%</td>
<td>2.0</td>
<td>106 Attempted Hours</td>
</tr>
<tr>
<td>Bachelor’s</td>
<td>67%</td>
<td>2.0</td>
<td>196 Attempted Hours</td>
</tr>
<tr>
<td>Second Bachelor’s</td>
<td>67%</td>
<td>2.5</td>
<td>Appeal Required</td>
</tr>
<tr>
<td>Teacher Certification</td>
<td>67%</td>
<td>3.0</td>
<td>30 Attempted Hours</td>
</tr>
<tr>
<td>Preparatory Leveling</td>
<td>100%</td>
<td>---</td>
<td>1 Calendar Year</td>
</tr>
<tr>
<td>Master’s</td>
<td>67%</td>
<td>3.0</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Second Master’s</td>
<td>67%</td>
<td>3.0</td>
<td>Appeal Required</td>
</tr>
</tbody>
</table>

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.

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

\[
\text{Example} = \frac{72 \text{ Hours Passed}}{85 \text{ Hours Attempted}} = 84\%
\]

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 attempted hours from all post-secondary institutions. Title IV Federal Student Aid expires when students appear to lack more hours than they can complete within the maximum time frame limit for their degree program. Students will begin to be monitored when they reach 120 percent of the hours necessary to complete their program. Once students lack more hours than can be completed before reaching the maximum time frame limit, they may request extension of federal student aid by following the procedure for reinstatement of financial aid which includes submitting a Petition for Reinstatement, an Academic Success Action Plan (ASAP) and a current Degree Plan Checklist or CAPP Degree Evaluation Report. Students granted an extension must complete only the hours listed on their ASAP and all attempted hours must be completed with the GPA required by their program. Students pursuing a second bachelor’s or second or subsequent Master’s must petition for reinstatement and should thoroughly explain and document the need for the subsequent degree and any extreme mitigating circumstances.

Teacher Certification and Preparatory Leveling

Teacher Certification applies to students who already have a bachelor’s degree and are returning for certification only. Preparatory Leveling applies to students who already have a bachelor’s degree but must complete undergraduate prerequisite courses before enrolling in an eligible program. Prerequisite courses must be completed with a grade of “B” or above for the student to continue receiving federal student aid funds for one calendar year.

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**

<table>
<thead>
<tr>
<th>Academic Progress</th>
<th>Status</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meeting Completion Rate and GPA</td>
<td>Eligible: Meeting SAP Policy</td>
<td>Eligible</td>
</tr>
<tr>
<td>Not Meeting Completion Rate and/or GPA (New or Transfer Students)</td>
<td>Ineligible: Rate/GPA</td>
<td>Not Eligible</td>
</tr>
<tr>
<td>First Failure Completion Rate and/or GPA (Continuing Students)</td>
<td>Warning: Meet SAP by Next Term</td>
<td>1 Semester Provisional Eligibility</td>
</tr>
<tr>
<td>Second Failure Completion Rate and/or GPA (Continuing Students)</td>
<td>Ineligible: Rate/GPA</td>
<td>Not Eligible</td>
</tr>
<tr>
<td>May Exceed Maximum Time Frame</td>
<td>Ineligible: May Exceed Max Time</td>
<td>Not Eligible</td>
</tr>
<tr>
<td>Exceed Maximum Time Frame</td>
<td>Ineligible: Over Max Time Limit</td>
<td>Not Eligible</td>
</tr>
<tr>
<td>Approved Petition/Academic Plan</td>
<td>Probation/ Follow Plan</td>
<td>1 Semester Provisional Eligibility</td>
</tr>
</tbody>
</table>

**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 ENMU 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 related to financial aid eligibility will be reviewed.

Students may review their financial aid academic progress online by accessing their [MyENMU Portal](#) account and following links to the financial aid area. Students with Provisional Eligibility should be aware that the requirements by provisional awards give them an opportunity to prove successful progress. Ineligible students will lose Title IV Federal Student Aid funding eligibility and must pay for classes on their own until meeting the SAP requirements or completing a successful reinstatement request.
Student Services and Activities

Business Affairs
The Office of Business Affairs serves as the financial center 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, Department of Public Safety, Inventory and Human Resources are also administered through this office. The Office of Business Affairs is located in the Administration Building (AD), 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 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 Student Academic Services (SAS), Room 194, 575.562.2221.

Counseling and Career Services
The Office of Counseling and Career Services (CCS) provides free personal, wellness and career choice as well as job search skills 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 enmu.edu/StudentJobs. 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 Student Academic Services (SAS), Room 232, 575.562.2211.

Tutoring Services
Free tutoring is available in many disciplines such as math, sciences, and business, and study skills. Students may schedule an appointment or just drop in for one-on-one or group tutoring. Tutoring is also available in the evenings, on weekends and online. Tutoring is located in the Golden Student Success Center. Find more information, schedules, and online-appointment scheduler at the Tutoring-Supplemental Instruction portal or call at 575.562.2286.

Accessibility Resources and Testing
The Office of Accessibility Resources and Testing 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 e-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. For more information visit Student Academic Services (SAS), Room 186, 575.562.2280, or see enmu.edu/Accessibility.

Testing
The Office of Accessibility Resources and Testing coordinates computer-based Accuplacer placement exams, CLEP, DSST and Miller Analogy tests, and ACT-R. Information about national standardized tests is available in Student Academic Services (SAS), Room 186, 575.562.2280. For more information, see enmu.edu/Accessibility.

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 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 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 Office of Housing and Residence Life 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 can 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 information, rules and regulations regarding University housing. Briefly, it covers 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 before checking into the University residences. A printed copy will be furnished to all students checking into University residences and is also available online at enmu.edu/CampusLivingGuide.

Please note 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 most 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 website at enmu.edu/Housing. Please read this material carefully.

**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 their hall.
Campus Dining
The goal of dining at ENMU is to provide healthy, balanced and tasty choices for every meal. ENMU offers meal plans that give students unlimited meals at the Crossroads Café Dining Hall from 7:30 a.m. to 7:30 p.m. during the week and limited hours on weekends. 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 are available at enmu.edu/Housing. For more information, call 575.562.2190.

Four other venues, located in the Education Building, Jack Williamson Liberal Arts Building, the Golden Student Success Center 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. A student who purchases flex dollars with the Carte Blanche plan has the flexibility to eat at locations other than the Crossroads Dining Hall.

Student Health Services
La Casa ENMU Student Health Services provides students with care and treatment for acute and minor illnesses, health clinics for men and women, and nutritional counseling upon request. 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.

La Casa ENMU Student Health Services 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.

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. ENMU does not endorse a particular student health insurance company; however, several options are listed at enmu.edu/HealthServices. Students may choose from these groups or arrange their own insurance coverage.

International students are required to document proof of current health insurance each semester. Contact the International Student Advisor at 575.562.4697 or international.advisor@enmu.edu.

Campus 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 & 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. 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 an ENMU 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 Department of Public Safety

The ENMU Department of Public Safety (ENM PDS) is located at 229 S Ave K on the northeast corner of West 3rd Street and S Ave K. The ENMU PDS is a full-service law enforcement agency which operates 24 hours per day, seven days per week, including holidays. The department is comprised of certified and sworn law enforcement officers, as well as security and support staff. The ENMU PDS can be contacted at 575.562.2392 during regular business hours. An ENMU police officer can be reached after hours, on weekends and on holidays by calling 575.760.2945. The ENMU PDS provides police services to all members and visitors of campus.

All students, faculty and staff at ENMU who operate motor vehicles on University property are required to register their vehicle(s) with the ENMU PDS per University policy. The ENMU PDS also provides on-demand training programs which include self-defense, risk management and substance abuse programs. The general services and activities of the ENMU PDS include handling calls for service, traffic control, traffic enforcement, fielding police reports, building checks, serving writs of the court, dignitary protection, event planning and emergency management.

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 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 Student Government Association 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. 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 student government. For more information, visit the Campus Union Building (CUB), or call 575.562.2477.

Student Organizations

The Office of Campus Life serves as the focal point for more than 50 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.

Student Veteran’s Organization

This student organization seeks to develop a community where military veterans will have the opportunity for academic and personal growth. Information may be obtained from the Office of Campus Life, 575.562.2108.

Fraternity and Sorority Life

ENMU encourages the development of social fraternities and sororities on campus. 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/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 begin with meeting new people and getting familiar with the campus and end with intensive preparation for classes and academic life. For more information, contact the Office 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 hosts 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 & 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

Many dramatic, musical and artistic events are produced each year by students and faculty through the College of Fine Arts. Participation is open to students in all majors. The College of Fine Arts offers classes and lessons to all students to develop their artistic talents, enrich their University educational experience and for fun and relaxation. See the Fine Arts Events Calendar at enmu.edu/FineArtsEvents.
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 outlined in the "Course Challenging" section located on Page 38.

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 adviser 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. Transfer students are strongly encouraged, however, 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 adviser, 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 is the acronym for Curriculum, Advising and Program Planning. A CAPP Degree Evaluation tracks a student's progress toward completion of degree requirements. CAPP is a tool for students and advisers to check progress toward graduation. The Office of the Registrar will confirm eligibility for graduation by using the student's catalog of record along with CAPP. CAPP searches through in-progress courses, transfer credits and courses taken at ENMU-Portales to find courses that match degree requirements into areas that include institutional, General Education Requirements, major and minor area requirements, and elective credits.

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. To initiate changes and substitutions regarding his or her adviser assignment, major, minor and other degree requirements;
4. To review with his/her faculty adviser 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 “General Education Requirements,” which 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 advisers, 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.

First-Year Seminar

First-Year Seminar (FYEX 1110) is a 3-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, FYEX 1110 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 First-Year 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 (SAS) 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.

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, but will still affect financial aid eligibility.

Note: Clemency will only be granted for courses taken from ENMU-Portales.

1. 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.
2. 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/AcademicCalendar. The student may apply or obtain information about graduation and commencement in the Office of the Registrar or online at enmu.edu/Commencement.

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/Apply. 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 30 new, complete ENMU credit hours not counted toward the first degree. Courses taken during the first bachelor's that meet the second bachelor's requirements do
not count as part of the 30 hours 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 as a Bachelor of Arts. Students are encouraged to work with advisers 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. Students may not, however, pursue a B.A.A.S., B.U.S., or B.C.T.E., concurrently with any other bachelor's degree. See Page 46 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 75 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 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 requested participation. Questions can be directed to the Academic Assessment Coordinator 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; 100/1000 through 199/1999 are primarily for freshmen; 200/2000 through 299/2999, 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 100/1000- and 200/2000-level courses, sophomores 200/2000- 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.

In coordination with the graduate school, an accelerated program is offered for the following academic programs: anthropology, biology, chemistry, communication, English, nursing and psychology/counseling. Coursework taken under this program may meet both undergraduate and graduate degree requirements. Details are listed in this catalog under those department sections and in the graduate catalog.

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 adviser 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 – 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 (SAS), Room 214, 575.562.2338.

Enrollment for Non-Credit (Audit)

Any student may enroll for a 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 Academic 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 establish and state in the syllabus 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
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 to avoid the assignment of “D” or “F” grades for marginal or failing work.
2. The instructor will submit notice of an incomplete grade to the Office of the Registrar. This notification states remaining coursework required to complete course requirements as assigned in the course syllabus.
3. The work to make up an “I” must be completed by the time specified on the incomplete 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 is 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 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 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 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/StudentHandbook. 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 and repeated courses 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 and are included toward meeting the minimum 15 hours. Graduation Honors are awarded on the student’s overall GPA and are determined by the following scale:
• Summa Cum Laude – 3.850-4.000 GPA
• Magna Cum Laude – 3.700-3.849 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 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 can be repeated for credit may be viewed in the course description section 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 is 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 on 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 drop and/or add courses within the deadlines set in the University class schedule. Students may drop and/or add courses within the deadlines set through the Banner registration system in the portal, which can be accessed at my.enmu.edu. Students with an Advising Center hold will need to make arrangements with the Advising Center to drop/add courses. International students must have approval of their academic adviser 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 withdrawal 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 18.

A student who is forced by emergency circumstances to leave the University without officially withdrawing should notify the Retention Coordinator at 575.562.4399. 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 18.
Drop/Add/Withdraw After Deadline or Complete Withdrawal from the University After 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 drop/add or withdraw from a course (Request to Withdraw Courses After University Deadline Form), or to completely withdraw from the University (Withdrawal Form) after the deadline can be honored only in extreme circumstances. Requests must be accompanied by appropriate documentation and approval signatures. Students may locate the appropriate forms at enmu.edu/Registrar. Students must use the form or send an email using his/her enmu 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 email address). These documents must be submitted to the Vice President of Academic Affairs (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 via email from student’s enmu 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 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 term 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. See Academic Standing table on Page 39 for greater detail.

Academic suspension applies to students who have a semester GPA below 2.0 and have been on academic probation for one semester. See Academic Standing table on Page 39.

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.

The first suspension will result in a denal 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 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 Retention Coordinator 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 readmission 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 add after deadline requirements described on Page 37. 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 7 hours of credit for ACT/SAT examination scores as follows:

<table>
<thead>
<tr>
<th>ACT</th>
<th>SAT</th>
<th>Credit Applied to</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 31</td>
<td>Verbal 700</td>
<td>ENG 102 (3 credits)</td>
</tr>
<tr>
<td>Math 31</td>
<td>Quantitative 690</td>
<td>MATH 119 (4 credits)</td>
</tr>
</tbody>
</table>
2. Credit is awarded within the first semester of attendance. Students must take the ACT/SAT prior to their first enrollment at ENMU. Transfer students must submit ACT/SAT scores for consideration for this credit.

3. Any credit earned through CLEP, AP, IB 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 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. See exams accepted and scores required for credit on pages 39-42. ENMU accepts the following:

- Advanced Placement Examinations (AP)
- College Level Examination Program (CLEP)
- DSST (DANTES)
- International Baccalaureate (IB)
- Course Challenging – see below

Students may also receive credit for military service. 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, and military credit is 30 for the associate degree and 45 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 in that discipline 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 returned to the instructor with the memo 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

ENMU is approved by the New Mexico State Approving Agency to offer specific programs for military service members, veterans, and family members using GI Bill® education benefits. 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.
<table>
<thead>
<tr>
<th>Students</th>
<th>Enrollment Semester</th>
<th>Conditions</th>
<th>Academic Standing</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Time Freshmen</td>
<td>End of First Semester</td>
<td>ENMU GPA is below 2.00 following first enrollment period</td>
<td>Academic Warning</td>
</tr>
<tr>
<td></td>
<td>End of Second Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following one semester of academic warning</td>
<td>Academic Probation</td>
</tr>
<tr>
<td></td>
<td>End of Third Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following one semester of academic probation</td>
<td>Academic Suspension</td>
</tr>
<tr>
<td>Note:</td>
<td></td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>Transfer</td>
<td>End of First Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following first semester</td>
<td>Academic Probation</td>
</tr>
<tr>
<td></td>
<td>End of Second Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following one semester of academic probation</td>
<td>Academic Suspension</td>
</tr>
<tr>
<td>Note:</td>
<td></td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>Returning</td>
<td>End of First Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following first semester</td>
<td>Academic Probation</td>
</tr>
<tr>
<td></td>
<td>End of Second Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following one semester of academic probation</td>
<td>Academic Suspension</td>
</tr>
<tr>
<td>Note:</td>
<td></td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>Continuing</td>
<td>End of Any Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following first semester</td>
<td>Academic Probation</td>
</tr>
<tr>
<td>Note:</td>
<td></td>
<td>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</td>
<td></td>
</tr>
<tr>
<td></td>
<td>End of Any Semester</td>
<td>ENMU cumulative GPA is below 2.00; student’s semester GPA is below 2.00 following one semester of academic probation</td>
<td>Academic Suspension</td>
</tr>
</tbody>
</table>
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., A.S.) Requirements

1. 60 hours minimum.
2. 2.00 institutional (ENMU) GPA.
3. 2.00 institutional (ENMU) GPA in major (Colleges may require higher in major).
4. 15 hours of the final 30 earned from ENMU-Portales.
5. 31 hours minimum of General Education courses, see Page 47.
   Note: ENGL 1110 and ENGL 1120 require grades of "C" or higher.
6. Subject matter curricula specified in degree plan.
7. FYEX 1110 First-Year Seminar is 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 45.
   Note: The maximum number of hours that may be applied to the associate degree from ACT, AP, the International Baccalaureate, CLEP, challenge examinations, or from military credit is 30.

Bachelor's Degree Requirements

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

1. 120 hours minimum.
2. 31 hours minimum of General Education Requirements, see Page 47.
   Note: ENGL 1110 and ENGL 1120 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.C.T.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. 30 hours of the final 60 must be taken from ENMU-Portales.
8. 3 hours of FYEX 1110 First-Year 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. 3-hour Diversity/Global upper-division course
   This requirement helps students to increase awareness and appreciation for culturally diverse value systems and modern realities of global interconnections within a framework of understanding and justice.
10. Completion of assessment degree requirement, see Page 45.
11. The B.U.S. degree is not available as a second bachelor's degree, or as a concurrent degree with another bachelor's degree.
   Note: The maximum number of hours that may be applied to the bachelor's degree from ACT, AP, the International Baccalaureate (IB), DSST (Dantes), CLEP, challenge examinations, or from military credit is 45.

Bachelor of Arts (B.A.) Degree Requirements

In addition to the Bachelor's Degree Requirements noted above, students must demonstrate proficiency in a second language (other than English). SPAN 2110 and 2120, or the equivalent in a language other than Spanish. See SPAN course descriptions for prerequisites on Page 206.

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

1. Bachelor's Degree Requirements.
2. Completion of the Basic Skills Requirement with a grade of "C" or higher in each course, see Page 49.
3. Completion of the Business Foundation with a grade of "C" or higher in each course, see Page 49.
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 Career and Technical Education (B.C.T.E.) Degree Requirements

1. 120 hours minimum.
2. 31 hours minimum of General Education Requirements. See Page 47.
3. 18 hours minimum of upper-division coursework.
4. 2.00 institutional (ENMU) GPA.
5. 3.00 institutional (ENMU) GPA in the major
   Note: A grade of "D" will not count in the major.
6. 30 hours of the final 60 must be taken from ENMU-Portales.
   Note: The B.C.T.E. degree is not available as a second bachelor's degree, or as a concurrent degree with another bachelor's degree.
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**Note:** AP Credit will only be granted for exams on this list.
## ENMU CLEP TEST POLICY

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*Note: Credit will only be granted for DSST or DANTES exams on this list.*
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**Note:** IB Credit will only be granted for exams on this list.
Bachelor of Applied Arts and Sciences (B.A.A.S.)

1. 120 hours minimum.
2. 31 hours minimum of General Education Requirements, see Page 47.
3. 18 hours minimum of upper-division coursework. At least 15 hours of upper-division coursework must be completed through ENMU-Portales.
4. 2.00 institutional (ENMU) GPA.
5. 2.00 institutional (ENMU) GPA in secondary concentration area(s).
   
   **Note:** A grade of “D” will not count in the secondary concentration area courses.
6. 30 hours of the final 60 must be taken from ENMU-Portales.
7. Completion of assessment degree requirement, see Page 45.
   
   **Note:** The B.A.A.S. degree is not available as a second bachelor’s degree, or as a concurrent degree with another bachelor’s degree.

Bachelor of Science in Education (B.S.E.)

**Degree Requirements**

1. 120 hours minimum.
2. 41-44 hours of Teaching Degree General Education Requirements, see Page 62.
   
   **Note:** ENG 1110 and ENG 1120 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. 30 hours of the final 60 must be taken from ENMU-Portales.
7. Teacher licensure and/or endorsement coursework; see adviser.
8. 3 hours of FYEX 1110 First-Year 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. 3 hour Diversity/Global upper-division course (BLED 350 or ECED/BLED 473).
10. Completion of assessment degree requirement, see Page 45.
   
   **Note:** The maximum number of hours which may be applied to the bachelor’s degree from ACT, AP, CLEP, DSST, IB challenge examinations, or from military credit is 45.

Bachelor of Arts in Education (B.A.E.)

**Degree Requirements**

1. The 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 40.

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 Academic Assessment Coordinator. 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 advisers 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 adviser 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 as an unofficial 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 Freshmen

First-time Freshman are students that are attending ENMU for the first time after high school graduation regardless of college credit earned through dual-credit, AP or other means, or being admitted with a GED. These students are advised in the Advising Center the first two full semesters 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 adviser in the student’s major field of study. Students who do not declare a major by the end of their second semester will receive a declare major hold on their account. Students who do not declare a major will remain assigned to the Advising Center until their fourth semester.

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 Student Academic Services (SAS), Room 214, 575.562.2338 and can be found online at enmu.edu/Advising.

Transfers

Transfer students seek initial advising help from the Transfer Center, located in Student Academic Services (SAS), Room 107, phone, 575.562.2178, 888.ENMU.ADV or 888.366.8238. Transfer Center staff will use a CAPP degree evaluation as an unofficial degree plan and assist
the new student with setting-up their class schedule. Transfer students are asked to complete a Declaration of Major Form online. Those who declare a major in Nursing, Emergency Management/Fire Safety or BAAS Aviation Science are not advised by the Transfer Center but are referred directly to the major area for advising.

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 as Bachelor of Science programs or as 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 adviser 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 Pages 32-33.

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 does 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 does 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 does 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 24-hours in a defined field of study. A "D" grade does 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. A "D" grade does not count in the subject matter endorsement area/minor.

Emphasis

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

Degree Abbreviations

<table>
<thead>
<tr>
<th>Degree Abbreviation</th>
<th>Degree Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.A.</td>
<td>Associate of Arts</td>
</tr>
<tr>
<td>A.S.</td>
<td>Associate of Science</td>
</tr>
<tr>
<td>B.A.</td>
<td>Bachelor of Arts</td>
</tr>
<tr>
<td>B.A.A.S.</td>
<td>Bachelor of Applied Arts and Sciences</td>
</tr>
<tr>
<td>B.A.E.</td>
<td>Bachelor of Arts in Education</td>
</tr>
<tr>
<td>B.B.A.</td>
<td>Bachelor of Business Administration</td>
</tr>
<tr>
<td>B.C.T.E.</td>
<td>Bachelor of Career and Technical Education</td>
</tr>
<tr>
<td>B.F.A.</td>
<td>Bachelor of Fine Arts</td>
</tr>
<tr>
<td>B.M.</td>
<td>Bachelor of Music</td>
</tr>
<tr>
<td>B.M.E.</td>
<td>Bachelor of Music Education</td>
</tr>
<tr>
<td>B.S.</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>B.S.E.</td>
<td>Bachelor of Science in Education</td>
</tr>
<tr>
<td>B.S.N.</td>
<td>Bachelor of Science in Nursing</td>
</tr>
<tr>
<td>B.S.W.</td>
<td>Bachelor of Social Work</td>
</tr>
<tr>
<td>B.U.S.</td>
<td>Bachelor of University Studies</td>
</tr>
<tr>
<td>C.C.</td>
<td>Certificate of Completion</td>
</tr>
</tbody>
</table>

General Education Philosophy

Purpose

The General Education curriculum at Eastern New Mexico University is designed to prepare students for a lifetime of learning and responsible participation as members of their communities; to encourage them to gain perspectives in a broad spectrum of subjects; to explore or further develop interests outside their program of study; and to appreciate culturally-diverse value systems and modern realities of global interconnectedness within a framework of understanding and justice. All general education coursework at ENMU also focuses on developing greater experience using "essential skills" that help prepare graduates to be successful as they pursue advanced study and/or careers. Those essential skills include:

- Communication
- Quantitative Reasoning
- Critical Thinking
- Personal and Social Responsibility
- Information and Digital Literacy

Effective in fall, 2019, all courses offered as general education at ENMU, as approved under a state-wide process as general education, offer robust content in a subject area and introduce and reinforce these essential skills. See page 16 of this catalog for more information on ENMU’s general education program. See more information on the alignment of general education with the model of essential skills developed for New Mexico institutions at hed.state.nm.us.
## ASSOCIATES AND BACHELOR'S GENERAL EDUCATION REQUIREMENTS (NON-TEACHING)

**Effective in Fall 2019:** The State of New Mexico has instituted a new common course numbering system state-wide for all lower-division courses. Course prefixes and numbers assigned in that initiative are noted below. ENMU courses prior to fall 2019 are noted as follows: CCNS XXX (ENM 1xx) or CCNS 1XXX (ENM 1xx).

**Note:** Sections 1 through 6 are included in the state transfer matrix. Section 7 is required if a student is not “gen ed complete” on entering ENMU-P.

<table>
<thead>
<tr>
<th>Section #</th>
<th>Distribution</th>
<th>Area Required</th>
<th>Eligible Courses</th>
</tr>
</thead>
</table>
| 1         | COMMUNICATION| 6 Hours       | • ENGL 1110 (ENG 102)  
• ENGL 1120 (ENG 104) OR  
• ENGL 2210 (ENG 325) |
|           |              |               | ENMU requires grade of “C” or higher required for satisfactory completion |
| 2         | MATHEMATICS  | 3-4 Hours     | • MATH 1130 (MATH 113), MATH 1220 (MATH 119), MATH 1230 (MATH 120)  
• MATH 1350 (STAT 213), OR MATH 1510 (MATH 124) |
|           |              |               | ENMU requires grade of “C” or higher required for satisfactory completion |
| 3         | LAB          | 4 Hours       | • ANTH 1120C (ANTH 245/L), BIOL, CHEM, GEOL  
• ANTH 1190C (ANTH/BIOL/CHEM 125/L)  
• PHYS 1115/L (113/L); 1125/L (123/L); 1230/L (151/L); 1240/L (152/L) |
| 4         | SOCIAL/BEHAVIORAL SCIENCES | 3 Hours | • ANTH 1115 (ANTH 105), ANTH 1140 (ANTH 243); GEOG 1130 (ANTH/GEOG 103), GEOG 1140 (ANTH/GEOG 233); ECON 1110 (ECON 200), ECON 2110 (ECON 221), ECON 2120 (ECON 222)  
• ECED 1110 (FCS 221); POLS 1110 (PSCI 101), POLS 1120 (PSCI 102); PSYC 1110 (PSY 101), PSYC 2140 (PSY 201), PSYC 2130 (PSY 202); SOCI 1110 (SOC 101), SOCI 2310 (SOC 212), SOCI 2240 (SOC 215) |
| 5         | HUMANITIES   | 3 Hours       | • SIGN 1110 (CDIS 144), SIGN 1120 (CDIS 244); ENGL 2310 (ENG 205), ENGL 1410 (ENG 211), ENGL 2630 (ENG 221), ENGL 2640 (ENG 222), ENGL 2610 (ENG 251), ENGL 2620 (ENG 252)  
• FREN 110 (FR 101), FREN 1120 (FR 102), FREN 2110 (FR 201), FREN 2120 (FR 202); GREK 1110 (GR 201), GREK 1120 (GR 202), HEBR 1110 (HEB 201), HEBR 1120 (HEB 202)  
• HIST 1110 (HIST 101), HIST 1120 (HIST 102), HIST 1150 (HIST 121), HIST 1160 (HIST 122), HIST 2110 (HIST 203); HUMN 1110 (HUM 221), HUMN 2110 (HUM 222); PHIL 1115 (PHIL 201), PHIL 1120 (PHIL 202); RELG 1123 (REL 101), RELG 1125 (REL 103), RELG 1110 (REL 107), SPAN 1110 (SPAN 101), SPAN 1120 (SPAN 102), SPAN 1410 (SPAN 106), SPAN 1420 (SPAN 107), SPAN 2110 (SPAN 201), SPAN 2120 (SPAN 202), SPAN 2220 (SPAN 205) |
| 6         | FINE ARTS   | 3 Hours       | • ARTH 1110 (ART 131), ARTH 2110 (ART 165), ARTH 2120 (ART 166)  
• ARTS 1610 (ART 101), ARTS 1240 (ART 135), ARTS 1410 (ART 210), ARTS 1310 (ART 231), ARTS 1810 (ART 271)  
• FDMA 1525 (DFM 105), DANC 1110 (DNC 101), DANC 1130/1150/1160/1225 (DNC 210)  
• MUSC 1210 (MUS 101), MUSC 1110/1120/1130/1140 (MUS 113), MUSC 1270 (MUS 163), MUSC 1160 (MUS 241), music ensembles  
• THEA 1110 (THTR 111), THEA 1130 (THTR 113), THEA 1210 (THTR 121) |
| 7         | GENERAL EDUCATION | 9-11 Hours | If a student enters ENMU Portales designated as “General Education Complete” by their previous institution, they are not required to take courses below. Students entering ENMU who are not “Gen Ed Complete” are required to complete one course from each of the following not already taken above to meet any category:  
• ENGL not taken in Area I above; or COMM 2120 (COMM 101), COMM 1130 (COMM 102), or COMM 2140 (COMM 202) AND  
• Math, or Science (Lab optional) or Social/Behavioral Science AND  
• Humanities or Fine Arts |

**Total Hours 31-32 hours, minimum**
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

Frederick Greene
David Hemley
John T. Luhman
D. Veena Parboteeah
Herbert Snyder

Associate Professors

Pattarapong Burusnukul
Deborah Corbin
Jean-Marc Gandonou
Michael Zhang

Assistant Professors

Corey Cole
Matthew Haney
Kayhan Koleyni
George Kurian
Ziyi Niu
Robert Schneider
Debra Stone

Instructors

Byron Mitchell
Konni Wallace
Crista Wiegel

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 general education, applicable to a specific discipline. The courses listed in each discipline matrix, including general education, 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. Students wishing to transfer to another college or university should consult an adviser there to see a list of common course equivalencies offered at that institution.

Degrees and Degree Requirements

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

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

The ENMU B.B.A. degree is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), the largest international specialized accreditation for business education, particularly emphasizing teaching excellence (acbsp.org).

University Bachelor’s Degree Requirements on Page 40, General Education Requirements on Page 47, Basic Skills Requirements, Business Foundation Requirements, 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 below.

<table>
<thead>
<tr>
<th>Programs and Degrees Offered</th>
<th>Certificate</th>
<th>Minor</th>
<th>Major</th>
<th>Emphasis</th>
<th>B.A.A.S. Concentration</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>•</td>
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<td>B.B.A.</td>
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<tr>
<td>Agricultural Business</td>
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<tr>
<td>Business</td>
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<td>B.B.A.</td>
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<tr>
<td>Business Administration</td>
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<tr>
<td>Applied Economics and Finance</td>
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<tr>
<td>General Business</td>
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<tr>
<td>Hospitality Management</td>
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<tr>
<td>Information Systems</td>
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<td>•</td>
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<td></td>
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<tr>
<td>International Business</td>
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<tr>
<td>Marketing</td>
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<tr>
<td>Personal Financial Planning</td>
<td></td>
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<tr>
<td>Economics</td>
<td></td>
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<td>•</td>
<td></td>
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<tr>
<td>Management</td>
<td></td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td>B.B.A.</td>
</tr>
</tbody>
</table>
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:

ENGL 1110* Composition I (3)
ENGL 1120* Composition II (3)
COMM 1130* Public Speaking (or COMM 2120 or COMM 2140) (3)

* 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2110</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2120</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 2110</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2110*</td>
<td>Macroeconomic Principles</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2120*</td>
<td>Microeconomic Principles</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 2110</td>
<td>Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 1110</td>
<td>Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>IS 281</td>
<td>Spreadsheets and Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 2110</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 2110</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1350*</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1220*</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1510*</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1520</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2530</td>
<td>Calculus III</td>
<td>4</td>
</tr>
</tbody>
</table>

* May also be used to satisfy General Education Requirements.

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 330</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 381</td>
<td>Business Research and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BUS 453*</td>
<td>Business Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 315</td>
<td>Managerial Finance I</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 301</td>
<td>Information Systems for Managers</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 313</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 430</td>
<td>International Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

* 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, BFIN 315, and MKTG 425. It is highly recommended that all other 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>International and Advanced Accounting Concepts</td>
</tr>
<tr>
<td>BUS</td>
<td>International Business Law</td>
</tr>
<tr>
<td>ECON</td>
<td>International Economic Development</td>
</tr>
<tr>
<td>ECON</td>
<td>International Economics</td>
</tr>
<tr>
<td>BFIN</td>
<td>International Finance</td>
</tr>
<tr>
<td>MGMT</td>
<td>International Management</td>
</tr>
<tr>
<td>MGMT</td>
<td>International Employment Relations</td>
</tr>
<tr>
<td>MKTG</td>
<td>International Marketing</td>
</tr>
</tbody>
</table>

Additional Degree Requirements

1. The B.B.A. requirements, see Page 49.
2. Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. BCIS 1110 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 B.B.A. degree, the student must attain a minimum cumulative GPA of 2.25 in the Business Foundation courses (38 Hours), the Business Core courses (21 Hours), the International course (3 Hours) and the courses necessary to complete the respective major/emphasis requirements: 18 hours; except for a. Hospitality management emphasis (19 Hours), b. Personal financial planning emphasis (21 Hours), c. Accounting major (24 Hours), and d. International business emphasis (27-35 Hours).
4. B.B.A. 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

The College of Business offers internships in all discipline areas including accounting, business administration, economics, finance, hospitality management, information systems, international business, management, marketing, and personal financial planning. See internship course descriptions for more detail. Students are encouraged to complete an internship, where applicable, for academic credits. Internship credit hours may not be used to satisfy Business Foundation or Business Core Requirements. Internship credit hours may be used to fulfill
upper-division elective course credits, as required by the student’s major/emphasis area, up to 3 credit hours. Additional internship credit hours not applied to the student’s major/emphasis area may be counted as University general elective hours toward 120-hour degree requirement.

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

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 54.

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 adviser 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 149.

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
MAJOR: ACCOUNTING

1. Bachelor’s Degree Requirements, see Page 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. BCIS 1110 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.

   General Education Requirements (31-32 Hours), see Page 47
   Note: Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See adviser for details.

2. Business Foundation Requirements (31-32 Hours), see Page 49. Students must achieve a grade of “C” or higher in all courses.

3. Business Core Requirements (21 Hours), see Page 49. Students must achieve a grade of “C” or higher in all courses.

4. International Course Requirement (3 Hours)
   ACCT 430 International and Advanced Accounting Concepts (3)

   Students must complete course with a grade of “C” or higher.

5. 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)
   ACCT 475 Income Tax Accounting: Corporations, Partnerships and Fiduciaries (3)

6. Electives to complete a minimum of 120 hours
   Note: This major does not require a minor.

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 courses begin on Page 149.

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)
MAJOR: AGRICULTURAL BUSINESS

1. Bachelor’s Degree Requirements, see Page 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. BCIS 1110 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 (31-32 Hours), see Page 47
   Note: Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See adviser for details.

3. Business Foundation Requirements (38 Hours), see Page 49. Students must achieve a grade of “C” or higher in all courses.

4. Business Core Requirements (21 Hours), see Page 49
   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, BFIN 413, MGMT 439, 440 or MKTG 430, with a grade of "C" or higher.

6. **Agricultural Business Major Requirements (18 Hours)**
   - AG 311 Farm Management and Records (3)
   - AG 340 Marketing Agricultural Products (3)
   - BUS 402 Agricultural Policy (3)
   - ECON 322 Managerial Economics (3)
   - ECON 453 Mathematical Economics (3)
   - BFIN 317 Financial Modeling (3)

7. **Electives to complete a minimum of 120 hours**
   Note: This major does not require a minor.

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**BUSINESS ADMINISTRATION**

The major in business administration is pursued with an emphasis in one of seven areas: economics and finance, general business, hospitality management, information systems, international business, marketing, or personal financial planning. 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, information systems, and personal financial planning.

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

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**DEGREE:** BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)  
**MAJOR:** BUSINESS ADMINISTRATION

1. **Bachelor’s Degree Requirements, see Page 40**
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. BCIS 1110 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 (31-32 Hours), see Page 47.**
   Note: Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See adviser for details.

3. **Business Foundation Requirements (38 Hours), see Page 49.** Students must achieve a grade of "C" or higher in all courses.

4. **Business Core Requirements (21 Hours), see Page 49.** Students must achieve a grade of "C" or higher in all courses.

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**BUSINESS ADMINISTRATION EMPHASIS:**

**ECONOMICS AND FINANCE (18 HOURS)**

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

In addition, students must complete:
- ECON 321 Macroeconomics for Business (3)
- ECON 322 Managerial Economics (3)
- BFIN 317 Financial Modeling (3)
- BFIN 319 Managerial Finance II (3)
- BFIN/PFP 330 Investments: Principles and Policies (3)
- STAT 313 Statistical Methods II (3)

**BUSINESS ADMINISTRATION EMPHASIS:**

**GENERAL BUSINESS (18 HOURS)**

The International Course Requirement is fulfilled with BUS 432, ECON 407, 409, BFIN 413, MGMT 439, 440, or MKTG 430. Students must also complete 6 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, BFIN, HRTM, BCIS, MGMT, MKTG or PFP). Internship (up to 3 credit Hours) may be used to fulfill the College of Business upper-division elective requirement.

**BUSINESS ADMINISTRATION EMPHASIS:**

**HOSPITALITY MANAGEMENT (19 HOURS)**

The International Course Requirement is fulfilled with BUS 432, ECON 407, 409, BFIN 413, MGMT 439, 440, or MKTG 430.

In addition, students must complete:
- CA 102 ServSafe® (1)
- HRTM 300 Convention and Event Management (3)
- HRTM 305 Hotel and Club Management (3)
- HRTM 410 Food Operations Management (3)
- HRTM 450 Tourism Development (3)
- MKTG 325 Services Marketing (3)

Students must also complete one upper-division (300-/400-level) HRTM elective 3-credit-hour course. Internship (up to 3 credit Hours) may be used to fulfill the upper-division elective requirement.
BUSINESS ADMINISTRATION EMPHASIS:

INFORMATION SYSTEMS (18 HOURS)

The International Course Requirement is fulfilled with BUS 432, MGMT 439, 440 or MKTG 430.

In addition, students must complete:

- BCIS 315 E-Business Strategy (3)
- BCIS 316 Cyber Security (3)
- BCIS 343 Database Management Systems (3)
- BCIS 420 Systems Analysis and Design (3)
- BCIS 435 Communications and Networking (3)
- BCIS 460 Project Management (3)

BUSINESS ADMINISTRATION EMPHASIS:

INTERNATIONAL BUSINESS (27-35 HOURS)

The International Course Requirement is fulfilled with MGMT 439.

- BUS 432 International Business Law (3) OR MGMT 440 International Employment Relations (3)
- BFIN 413 International Finance (3)
- ECON 407 International Economic Development (3) OR ECON 409 International Economics (3)
- MKTG 430 International Marketing (3)
- SPAN 311 Advanced Composition (3)

Students must also complete one upper-division (300-/400-level) College of Business elective 3-credit-hour course. An internship (up to 3-credit-hours) may be used to fulfill this requirement.

Spanish Language Requirements for the Non-Native Speakers (14 Hours)

Students must complete:

- SPAN 1110 Spanish I (4)
- SPAN 1120 Spanish II (4)
- SPAN 2110 Spanish III (3)
- SPAN 2120 Spanish IV (3) OR

Spanish Language Requirements for the Native Speakers (6 Hours)

Students must complete:

- SPAN 2210 Spanish for Heritage Learners III (3)
- SPAN 2220 Spanish for Heritage Learners IV (3)

Note on Spanish Language Requirements: Only students with no previous knowledge of the language should register for SPAN 1110; other students should consult the language faculty or take a placement test before registering. Native speakers of Spanish should enroll in SPAN 2210, a course 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.

Students must achieve a grade of “C” or higher in all courses.

BUSINESS ADMINISTRATION EMPHASIS:

MARKETING (18 HOURS)

The International Course Requirement is fulfilled with MKTG 430.

In addition, students must complete:

- BCIS 315 E-Business Strategy (3)
- MKTG 325 Services Marketing (3)
- MKTG 419 Consumer Behavior (3)
- MKTG 452 Integrated Marketing Communications (3)

Students must also complete one upper-division (300-/400-level) MKTG 3-credit-hour course and any one College of Business upper-division (300-/400-level) elective 3-credit-hour course (3 Hours). An internship (up to 3 credit Hours) may be used to fulfill the College of Business upper-division elective requirement.

BUSINESS ADMINISTRATION EMPHASIS:

PERSONAL FINANCIAL PLANNING (21 HOURS)

The International Course Requirement is fulfilled with either ECON 407, 409 or BFIN 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 54.

MANAGEMENT

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)

MAJOR: MANAGEMENT

1. Bachelor’s Degree Requirements, see Page 40

Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. BCIS 1110 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 (31-32 Hours), see Page 47
   Note: Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See adviser for details.

3. Business Foundation Requirements (38 Hours), see Page 49. Students must achieve a grade of "C" or higher in all courses.

4. Business Core Requirements (21 Hours), see Page 49. 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, MGMT 439, 440, or MKTG 430, with a grade of "C" or higher.

6. Management Major Course Requirements (18 Hours)
   Students must complete:
   MGMT 314 Human Resources Management (3)
   MGMT 425 Training and Development (3)
   MGMT 435 Supervision and Management (3)
   MGMT 442 Management and Society (3)
   MGMT 460 Advanced Production and Operations Management (3)
   MGMT 475 Leadership and Organizational Change (3)
   Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.

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 and is for non-B.B.A. majors only. Students with B.B.A. majors who wish to complete a minor in another business discipline should consult with their advisers to ensure they meet a minimum 15 hour requirements for a minor. Credit hours already applied to the B.B.A. major requirements may not be double-counted for minor requirements. Other courses in the respective discipline of the chosen minor must be taken to complete 15 distinct credit hours from their major.

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 2110 Principles of Accounting I (3)
ACCT 2120 Principles of Accounting II (3)
ACCT 305 Intermediate Accounting I (3)
ACCT 311 Cost Accounting (3)
MATH 1350 Introduction to Statistics (4)
(prerequisite for ACCT 311)

And complete any one of the following for the prerequisite mathematical requirement of ACCT 2120:

MATH 1220* College Algebra (4)
MATH 1510* Calculus I (4)
MATH 1520 Calculus II (4)
MATH 2530 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 (18 Hours)

ACCT 2110 Principles of Accounting I (3)
BLAW 2110 Business Law I (3)
ECON 1110 Survey of Economics (3)
BFIN 2110 Introduction to Finance (3)
MGMT 2110 Principles of Management (3)
MKTG 2110 Principles of Marketing (3)
Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.

MINOR: ECONOMICS

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

Course Requirements (15 Hours)

ECON 2110 Macroeconomic Principles (3)
ECON 2120 Microeconomic Principles (3)
ECON 321 Macroeconomics for Business (3)
ECON 322 Managerial Economics (3)
Students must also complete any one upper-division (300-/400-level) ECON 3-credit-hour course (3 Hours).

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 (22 Hours)

BCIS 1110 Introduction to Information Systems (3)
IS 281 Spreadsheets and Data Analysis (3)
BCIS 301 Information Systems for Managers (3) (prerequisite for BCIS 315, 316)
BCIS 315 E-Business Strategy (3)
BCIS 316 Cyber Security (3)
MATH 1350 Introduction to Statistics (4) (prerequisite for IS 281)

And complete any one of the following for the BCIS elective requirement:

BCIS 343 Database Management Systems (3)
BCIS 435 Communications and Networking (3)
BCIS 460 Project Management (3)

Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.
MINOR: PERSONAL FINANCIAL PLANNING (PFP)

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

Course Requirements (18 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>CRN</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2110</td>
<td></td>
<td>Principles of Accounting I (3) (prerequisite for BFIN 2110)</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 2110</td>
<td></td>
<td>Introduction to Finance (3)</td>
<td>3</td>
</tr>
<tr>
<td>PFP 310</td>
<td></td>
<td>Personal Finance (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete three of the following PFP courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>CRN</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFP 320</td>
<td></td>
<td>Business Risk Management and Insurance (3)</td>
<td>3</td>
</tr>
<tr>
<td>PFP 330</td>
<td></td>
<td>Investments: Principles and Policies (3)</td>
<td>3</td>
</tr>
<tr>
<td>PFP 340</td>
<td></td>
<td>Tax Planning (3)</td>
<td>3</td>
</tr>
<tr>
<td>PFP 350</td>
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<td>Retirement Planning (3)</td>
<td>3</td>
</tr>
<tr>
<td>PFP 360</td>
<td></td>
<td>Estate Planning (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.

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 (28 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>CRN</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BLAW 2110</td>
<td></td>
<td>Business Law I (3)</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 1110</td>
<td></td>
<td>Introduction to Information Systems (3)</td>
<td>3</td>
</tr>
<tr>
<td>IS 281</td>
<td></td>
<td>Spreadsheets and Data Analysis (3)</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 301</td>
<td></td>
<td>Information Systems for Managers (3) (prerequisite for IS 315, 316)</td>
<td>3</td>
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<tr>
<td>BCIS 315</td>
<td></td>
<td>E-Business Strategy (3)</td>
<td>3</td>
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<tr>
<td>BCIS 316</td>
<td></td>
<td>Cyber Security (3)</td>
<td>3</td>
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<tr>
<td>BCIS 460</td>
<td></td>
<td>Project Management (3)</td>
<td>3</td>
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<tr>
<td>MATH 1350*</td>
<td></td>
<td>Introduction to Statistics (4) (prerequisite for IS 281)</td>
<td>4</td>
</tr>
</tbody>
</table>

* May also be used to satisfy General Education Requirements.

Some of these courses may have prerequisites. Check catalog or discuss with adviser.

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 (30 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>CRN</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2110</td>
<td></td>
<td>Principles of Accounting I (3) (prerequisite for BFIN 2110)</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 2110</td>
<td></td>
<td>Business Law I (3)</td>
<td>3</td>
</tr>
<tr>
<td>BFIN 2110</td>
<td></td>
<td>Introduction to Finance (3)</td>
<td>3</td>
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<tr>
<td>PFP 310</td>
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<td>Personal Finance (3)</td>
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<tr>
<td>PFP 320</td>
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<td>Business Risk Management and Insurance (3)</td>
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<tr>
<td>PFP 330</td>
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<td>Investments: Principles and Policies (3)</td>
<td>3</td>
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<tr>
<td>PFP 340</td>
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<td>Tax Planning (3)</td>
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<tr>
<td>PFP 350</td>
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<td>Retirement Planning (3)</td>
<td>3</td>
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<tr>
<td>PFP 360</td>
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<td>Estate Planning (3)</td>
<td>3</td>
</tr>
<tr>
<td>PFP 410</td>
<td></td>
<td>Financial Plan Development (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.

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 this 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 52.

Prior to admittance into the certificate program, students must provide proof of attainment of a bachelor's degree.

All required courses must be completed with a grade of "C" or higher. Post-baccalaureate 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 Hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFP 310*</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>PFP 320</td>
<td>Business Risk Management and Insurance</td>
<td>3</td>
</tr>
<tr>
<td>PFP 330</td>
<td>Investments: Principles and Policies</td>
<td>3</td>
</tr>
<tr>
<td>PFP 340</td>
<td>Tax Planning</td>
<td>3</td>
</tr>
<tr>
<td>PFP 350</td>
<td>Retirement Planning</td>
<td>3</td>
</tr>
<tr>
<td>PFP 360</td>
<td>Estate Planning</td>
<td>3</td>
</tr>
<tr>
<td>PFP 410</td>
<td>Financial Plan Development</td>
<td>3</td>
</tr>
</tbody>
</table>

*PFP 310 must be taken as the first course in the program. It may be taken concurrently with any of the other PFP courses, except PFP 410.

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, kinesiology, 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 Career and Technical Education (B.C.T.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 40.

Students desiring to teach at the secondary level, grades 7-12, pursue degrees in a major field. The Teacher Education Program (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.

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. Concentrations include animal science, career and technical education, culinary arts, and pre-professional education. Additional information and a description of the concentrations can be found on Page 81. The college also awards Associate of Arts (A.A.) degrees in select fields.

TEACHER EDUCATION PROGRAM

Information in this section pertains to both the Department of Curriculum and Instruction and the Department of Educational Studies and degrees leading to elementary, secondary, special education, and K-12 licensure.

The Teacher Education Program (TEP) 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 Theory and Research for Effective Practices, and a Commitment 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), educational foundations (EDF), early childhood education (ECED), elementary education (ELED), reading education (RED), secondary education (SED) and special education (SPED). Descriptions of undergraduate courses appear in the back of this catalog. Undergraduate students who want to enroll in graduate courses must meet requirements as specified on Page 34. The requirements of some programs at ENMU may exceed New Mexico Public Education Department (NMPED) minimum competencies.

Student Advisement

Students are responsible for complying with all regulations of the University and the curricular program selected. Students are assigned an adviser to assist them with planning their academic program, and students have the responsibility of conferring regularly with that adviser. Students should meet with their adviser 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 New Mexico Public Education Department requirements for licensure may change. A degree or licensure plan should be prepared in consultation with the faculty adviser 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 Teacher Education Office, Education Building (ED), Room 152.

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, ED 152.

Grade Review

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

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 its external accreditation body, the New Mexico Public
<table>
<thead>
<tr>
<th>Department of Curriculum and Instruction</th>
<th>Department of Agriculture, Food Science and Kinesiology</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bilingual Education</strong></td>
<td><strong>Health and Wellness</strong></td>
</tr>
<tr>
<td><strong>Elementary Education/ Special Education</strong></td>
<td><strong>Sports and Recreation Management</strong></td>
</tr>
<tr>
<td><strong>English as a Second Language</strong></td>
<td><strong>Teaching Physical Education</strong></td>
</tr>
<tr>
<td><strong>Language Arts</strong></td>
<td><strong>Recreation</strong></td>
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<tr>
<td><strong>Reading</strong></td>
<td><strong>Sports Management</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Department of Educational Studies</th>
<th>Interdisciplinary Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bilingual Education</strong></td>
<td><strong>Applied Arts and Sciences</strong></td>
</tr>
<tr>
<td><strong>English as a Second Language</strong></td>
<td><strong>Animal Science Education</strong></td>
</tr>
<tr>
<td><strong>Early Care and Education</strong></td>
<td><strong>Career and Technical Education</strong></td>
</tr>
<tr>
<td><strong>Early Childhood Education</strong></td>
<td><strong>Criminal Justice/Sociology</strong></td>
</tr>
<tr>
<td><strong>Birth to Pre-K (licensure)</strong></td>
<td><strong>Culinary Arts</strong></td>
</tr>
<tr>
<td><strong>Birth to Pre-K (non-licensure)</strong></td>
<td><strong>Electronics Engineering Technology</strong></td>
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<tr>
<td><strong>Pre-K to Grade 3 (licensure)</strong></td>
<td><strong>Electronics Engineering Technology (Analog)</strong></td>
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<td><strong>Elementary Education/ Special Education</strong></td>
<td><strong>Electronics Engineering Technology (Digital)</strong></td>
</tr>
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<td><strong>Language Arts</strong></td>
<td><strong>Emergency Management</strong></td>
</tr>
<tr>
<td><strong>Reading</strong></td>
<td><strong>Fire and Emergency Services Administration</strong></td>
</tr>
<tr>
<td><strong>Secondary &amp; K-12</strong></td>
<td><strong>Human and Social Sciences</strong></td>
</tr>
<tr>
<td><strong>Electronics Engineering Technology</strong></td>
<td><strong>Information Systems and Programming Design</strong></td>
</tr>
<tr>
<td><strong>Agricultural Education</strong></td>
<td><strong>Liberal Arts</strong></td>
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<td><strong>Agricultural Education – Industry Option</strong></td>
<td><strong>Pre-Professional Education</strong></td>
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<td><strong>Religion</strong></td>
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<td><strong>Animal and Dairy Science</strong></td>
<td><strong>Science</strong></td>
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<td><strong>Pre-Veterinary</strong></td>
<td><strong>University Studies</strong></td>
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<td><strong>Production and Management</strong></td>
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<td><strong>Career and Technical Education</strong></td>
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<td><strong>Culinary Arts</strong></td>
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<td><strong>Health Education</strong></td>
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<tr>
<td><strong>Physical Education</strong></td>
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<tr>
<td><strong>Athletic Training</strong></td>
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<tr>
<td><strong>Coaching</strong></td>
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</table>
Education Department. Most importantly, it enables ENMU to communicate the quality and consistency of our teacher educator preparation programs to our K-12 constituents. A course fee in EDUC 2116 or ECED 1125 covers the cost of the TK20™ system for students taking those courses at ENMU; transfer students will pay the fee directly to the Teacher Education Office (ED 152) 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.

Application For Gateway I:

FOUNDATIONS OF TEACHING COURSES

Students apply for Gateway I status as indicated on the Visual Guide to the Teacher Education Program on Page 61 of this catalog. Please use this guide for specific coursework to be taken in the third semester. In EDUC 2116 and ECED 2120, 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 from "Teaching Degree General Education Requirements" (see Page 62).
2. Earned cumulative GPA of at least 2.75 in all coursework taken.
3. All TEP teacher candidates must complete SPED 300 with a grade of "B" or higher.
4. All TEP teacher candidates must complete EDUC 2116/2116L with a grade of "B" or higher.
5. Gateway I acceptance remains conditional until all final grades are posted.

Students may not take the Gateway II classes until Gateway I status is achieved. Gateway I status unlocks the ability to take courses appropriate to the licensure sought as illustrated in the Visual Guide to the Teacher Education Program, Page 61.

Application For Gateway II:

PROFESSIONAL TEACHER EDUCATION COURSES

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

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

1. Completion of 41–44 semester hours of General Education coursework from "Teaching Degree General Education Requirements" (see Page 62).
2. Earned cumulative GPA of at least 2.75 in all coursework taken.
3. Passing scores on each of the subtests of the NES Essential Academic Skills exam.
4. Completion of EDUC 2116/L and SPED 300 with a grade of "B" or higher.

Students will need to pass all remaining state-mandated exams prior to seeking admission to Gateway III. Students are also reminded that a 2.75 cumulative GPA must be maintained for admission to Gateway III.

Application for 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 to Gateway III.

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

1. Completion by secondary and early childhood teacher candidates of all requirements for the major and minor with a cumulative 2.75 GPA. Blended SPLED program teacher candidates must complete all course requirements for the major and minor/endorsement and present a cumulative GPA of 2.75.
2. No other coursework should be taken concurrent with student teaching. Students who may need to take 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 2.75 GPA in the major teaching field.
5. All credit hours earned in any teaching field in which the applicant is seeking licensure must have a grade of "C" or higher.
6. 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).
7. The student must have passed each of the tests required for licensure by the New Mexico Public Education Department. Depending 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), Early Childhood Education (birth - pre-kindergarten) or Early Childhood Education (age 3-8) Content Knowledge Assessment, and/or other exams as may be required by the NM Public Education Department. Blended degree (SPLED) majors must pass at least one of the content exams (Elementary or Special Education) 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. This includes the purchase of the Tk20™ learning outcomes assessment system directly from the Teacher Education Office. The Teacher Education Program will accept no more than 6 semester hours of comparable professional education coursework completed at another regionally accredited university. Transfer students are urged to seek advisement from a college adviser or the Teacher Education Office 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 New Mexico 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 adviser 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 adviser.

**New Mexico Teaching Licensure**

The information pertinent to New Mexico teaching licensure in this catalog is subject to change as New Mexico 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:

New Mexico Public Education Department
Professional Licensure Unit
Education Bldg, 300 Don Gaspar
Santa Fe, NM 87501-2786
Phone: 505.827.6581

For information concerning the NES required exams, please visit nmta.nesinc.com.

The NMPED requires applicants for teaching licenses to pass the following NES exams:

**EARLY CHILDHOOD EDUCATION (ECE):**
- NES Essential Academic Skills (Subtests I, II and III)
- Early Childhood Education (Birth-Pre-K) OR
- Early Childhood Education (Age 3-Age 8)

**SECONDARY EDUCATION (SED):**
- NES Essential Academic Skills (Subtests I, II and III)
- NES Assessment of Professional Knowledge (Secondary)
- Appropriate Content Knowledge exam

**SPECIAL EDUCATION/ELEMENTARY EDUCATION (SPLED):**
- NES Essential Academic Skills (Subtests I, II and III)
- NES Assessment of Professional Knowledge (Elementary)
- Content Knowledge: Elementary Education Subtests I and II OR Special Education
- NES Essential Component of Elementary Reading Instruction
Contact the Teacher Education Office at 575.562.2895 for the ENMU pass rates on the New Mexico Teacher Assessments.

**TEP Admission Requirements**

The TEP requires successful completion of the following tests. Candidates must budget time and money to take these exams prior to seeking admission to Gateways II and III as follows:

Gateway II: NES Essential Academic Skills (Subtests I, II and III). Candidates must present passing scores on all three subtests.

Gateway III: Candidates must present passing scores on the following exams appropriate to licensure sought:

1. NES Assessment of Professional Knowledge (SPLED and SED)
2. NES Essential Components of Elementary Reading Instruction (SPLED only)
3. Content Knowledge Assessment (SPLED OR SED)
4. Early Childhood Education (Birth-Pre-K) OR Early Childhood Education (Age 3-Age 8 ECED)
5. Additional tests may be required as state licensure requirements change.

**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.

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<table>
<thead>
<tr>
<th>Subject Matter/Endorsement Areas</th>
<th>Majors</th>
<th>Endorsement Areas</th>
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<tr>
<td><strong>Programs and Degrees Offered</strong></td>
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<td><strong>Early Childhood</strong></td>
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<td>Agriculture</td>
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<td>Agricultural Education</td>
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<td>Biology</td>
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<td>Bilingual Education</td>
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<td>Career and Technical Education (available as a major; no endorsement required)</td>
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<td>Chemistry</td>
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<tr>
<td>Early Childhood Education (available as a major; no endorsement required)</td>
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<tr>
<td>Elementary Education/ Special Education</td>
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<td>English</td>
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<td>English as a Second Language</td>
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<td>General Science</td>
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<td>Health Education</td>
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<td>Language Arts</td>
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<td>Music Education</td>
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<td>Visual Arts</td>
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<tr>
<td>INTRODUCTION TO EDUCATION</td>
<td>Foundations of Teaching Coursework</td>
<td>Professional Teacher Education Coursework</td>
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<td>1st Semester</td>
<td>2nd Semester</td>
<td>3rd Semester</td>
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<tr>
<td>SPLED &amp; SED Coursework</td>
<td>ENGL 1110</td>
<td>EDF 110</td>
</tr>
<tr>
<td>ECE Coursework</td>
<td>ENGL 1110</td>
<td>EDF 110</td>
</tr>
<tr>
<td>Required GPA Cumulative</td>
<td>GPA 2.75</td>
<td>GPA 2.75</td>
</tr>
<tr>
<td>Required Student Actions</td>
<td>Complete 30 hours of Teacher General Education courses</td>
<td>Pass all subtests in the Essential Academic Skills exam in time for Gateway II application</td>
</tr>
<tr>
<td></td>
<td>Complete 41-44 hours of Teacher General Education courses</td>
<td>Pass all required exams in time for Gateway III application</td>
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<td>Gateway III: Apply through TK20™</td>
</tr>
</tbody>
</table>

- **Essential Academic Skills:**
  - Subtest I: Reading
  - Subtest II: Writing
  - Subtest III: Mathematics

- **Professional Knowledge:**
  - Elementary (SPLED)
  - Elementary Education Subtests or Special Education (SPLED)
  - Essential Component of Elementary Reading Instruction (SPLED)
  - Content Knowledge (SED)

- **Content Knowledge:**
  - Early Childhood Education: Birth-Pre-K or Age 3-8 (ECE)
### TEACHING DEGREE GENERAL EDUCATION REQUIREMENTS (41-44 HOURS)

**2014 SENATE BILL 329 COMPLIANT**

<table>
<thead>
<tr>
<th>Distinction Area</th>
<th>Required Hours</th>
<th>Elementary/ Special Education Blended Degree</th>
<th>Secondary Education Degree</th>
<th>Early Childhood Education Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COMMUNICATION</strong></td>
<td>9 Hours</td>
<td>• ENGL 1110*; • ENGL 1120*; and • EDF 110</td>
<td>• ENGL 1110*; • ENGL 1120*; and • EDF 110</td>
<td>• ENGL 1110*; • ENGL 1120*; and • EDF 110</td>
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<td></td>
<td></td>
<td>* Grade of “C” or higher required for satisfactory completion</td>
<td>* Grade of “C” or higher required for satisfactory completion</td>
<td>* Grade of “C” or higher required for satisfactory completion</td>
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<tr>
<td><strong>MATHEMATICS</strong></td>
<td><strong>6-9 Hours</strong></td>
<td>• MATH 261*; • MATH 262*; and • MATH 345*</td>
<td>• MATH 1350 and • MATH 1130 or MATH 1220 or any math class with MATH 1220 as a pre-requisite (i.e. MATH 1230 or MATH 1510)</td>
<td>• MATH 261* and • MATH 262*</td>
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<td>(Depending on Degree)</td>
<td>* Grade of “C” or higher required for satisfactory completion</td>
<td>* Grade of “C” or higher required for satisfactory completion</td>
<td>* Grade of “C” or higher required for satisfactory completion</td>
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<tr>
<td><strong>LAB SCIENCE</strong></td>
<td>8 Hours</td>
<td>• BIOL 1110*, BIOL 2110, or BIOL 2610 (plus labs)</td>
<td>• BIOL 1310*, 1320*, 1110*, 2110, 2610, 2210 or BIOL 2225 (plus labs)</td>
<td>• BIOL 1110, BIOL 2110, or BIOL 2610 (plus labs)</td>
</tr>
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<td>• Choose one of the following: CHEM 1110, 1215; GEOL 1120*, 1110; PHYS 1115 or 1230** (plus labs)</td>
<td>• Choose one of the following: CHEM 1110*, 1215; GEOL 1120*, 1110; PHYS 1115* or 1230** (plus labs)</td>
<td>• Choose one of the following: CHEM 1110, 1215; GEOL 1120, 1110; PHYS 1115 or 1230** (plus labs) **MATH 1220 pre-requisite</td>
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<td></td>
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<td>* Does not count towards a major or minor in any science</td>
<td>* Does not count towards a major or minor in any science</td>
<td>**MATH 1220 pre-requisite</td>
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<tr>
<td><strong>SOCIAL AND BEHAVIORAL SCIENCES</strong></td>
<td>9 Hours</td>
<td>• POLS 1120</td>
<td>• POLS 1120</td>
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<td>• EDF 210</td>
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<td>• ECON 1110</td>
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<tr>
<td><strong>HUMANITIES/ FINE ARTS</strong></td>
<td>9 Hours</td>
<td>• ARTH 1110 or MUSC 1110/1120/1130 or MUSC 1270</td>
<td>• ARTH 1110 or MUSC 1110/1120/1130 or MUSC 1270</td>
<td>• ARTH 1110 or MUSC 1110/1120/1130 or MUSC 1270</td>
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<td>• HIST 1110 AND 1120 or HIST 1150 AND 1160</td>
<td>• HIST 1110 AND 1120 or HIST 1150 AND 1160</td>
<td>• HIST 1110 AND 1120 or HIST 1150 AND 1160</td>
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</tbody>
</table>

**Total Hours**

- Elementary/ Special Education Blended Degree: 44 hours
- Secondary Education Degree: 43 hours
- Early Childhood Education Degree: 41 hours

**MATH 1220 prerequisite**
DEPARTMENT OF CURRICULUM AND INSTRUCTION

Professor  
Penny A. Garcia  
Associate Professors  
Michele D. Crockett  
Mary A. Daughtry  
Mary K. Kallus  
Assistant Professors  
Cindy Benge  
Jann Hunter  
Joe Don Proctor  
Wally Thompson  
David Tompkins  
Mark Viner  
Instructor  
Eugenia 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 (PRE-K-12)

Note:  
Cumulative GPA of 2.75 is required.

1. Bachelor's Degree Requirements, see Page 45.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. (BLED 350). B.A.E. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (41-44 Hours), see Page 62.

3. Professional Education Requirements  
   Must be completed with a grade of "C" or higher unless otherwise noted (55 Hours)

INTRODUCTION TO EDUCATION COURSEWORK

EDUC 2116/L  Structured Observations of Teaching and Learning (3) (must be completed with a grade of “B” or higher)

SPED 300  Introduction to Special Education (3) (must be completed with a grade of “B” or higher)

Gateway I:  
FOUNDATIONS OF TEACHING COURSEWORK

BLED 350  Cultural and Linguistic Pluralism (3)

EDF 301  Foundations of Education and Learning (3)

EDF 309  Technology for the Classroom (3)

RED 350  Teaching and Learning Reading and Writing I (3)

Gateway II:  
PROFESSIONAL TEACHER EDUCATION COURSEWORK

BLED 405  Literacy and the Bilingual Child (3)

BLED 490  ESL Strategies in Content Areas (3)

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

ELED 405  Literacy/Social Studies Methods for Diverse/Inclusive Classrooms (6)

ELED 406  Science/Mathematics Methods for Diverse/Inclusive Classrooms (6)

SPED 320  Planning/Assessment for the Inclusive Classroom (3)

SPED 328  Classroom/Behavior Management: Exceptional Individuals/Inclusive Environments (3)

Gateway III:  
CAPSTONE EXPERIENCE

ELED 460  Student Teaching: Elementary (5)

SPED 445  Student Teaching: Special Education (5)

4. Subject Matter/Endorsement Area/Minor (24 Hours)
   See Page 64 for coursework leading to endorsement with elementary and/or special education licensure in the State of New Mexico.

5. This program requires about 126 hours
   Students may also select a minor in early childhood education, see Page 69. This is not an approved New Mexico endorsement area. In addition, students must select an endorsement area from the approved list, on Page 60. In New Mexico, early childhood education is a separate licensure area and requires a major in early childhood education. Students should consult an adviser in that area.

SUBJECT MATTER ENDORSEMENT AREA/MINOR:  
BILINGUAL EDUCATION

LICENSURE:  
ELEMENTARY/  
SPECIAL EDUCATION

Note:  
Cumulative GPA of 2.75 is required in the endorsement.

1. Students may graduate with a bilingual education endorsement 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 2220. Non-native speakers may take SPAN 2110 and 2120.

2. Course Requirements (24 Hours)

   BLED 2110  Introduction to Bilingual and ESL Education (3)

   BLED 334  Methods and Materials for Bilingual Education (3)

   BLED 405  Literacy and the Bilingual Child (3)
   OR

   BLED 425  Parents’ Role in the Bilingual Classroom (3)
HIST 2110 Survey of New Mexico History (3)
SPAN 311 Advanced Conversation and Composition (3)
SPAN 325 Peninsular Culture and Civilization (3) OR
SPAN 326 Latin American Culture and Civilization (3)

3. Students must also complete 6 hours of electives taught in Spanish. Select from the following:
SPAN 425 Transatlantic Literature I (3)
SPAN 426 Transatlantic Literature II (3)
SPAN 493 Topics in Spanish (3) provided this class is literature or culture
SPAN 325* Peninsular Culture and Civilization (3)
SPAN 326* Latin American Culture and Civilization (3)

* Whichever SPAN course not taken in (2) above

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

SUBJECT MATTER/ENDORSEMENT AREA/ENDORSEMENT:
ENGLISH AS A SECOND LANGUAGE

LICENSURE: ELEMENTARY/SPECIAL EDUCATION, SECONDARY EDUCATION AND EARLY CHILDHOOD

Note: Cumulative GPA of 2.75 is required in the endorsement. 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 2110 Introduction to Bilingual and ESL 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)
ENGL 376 Latina/o Literature (3) OR
ENGL 413 Literature of the Southwest (3)

2. Early Childhood Education Requirements (6 Hours)
BLED/ECED 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/ENDORSEMENT:
LANGUAGE ARTS

LICENSURE: ELEMENTARY/SPECIAL EDUCATION

Note: Cumulative GPA of 2.75 is required in the endorsement.
DEPARTMENT OF EDUCATIONAL STUDIES

Professors
Rebecca Davis
Alan W. Garrett
Kathie Good
Michael F. Shaughnessy
Charles Waggoner

Associate Professor
Kathleen Wagner

Assistant Professors
Doyle Brinson
Jayson Evaniuck
Lyle Holin
ShinHwa Lee
Bryan Moffitt
John Petrone

Instructor
Yetta Massey

LICENSURE: SECONDARY AND K-12

Note: Cumulative GPA of 2.75 is required.

Students desiring to teach at the secondary level, grades 7-12, pursue degrees in a major field. The Teacher Education Program (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. Bachelor’s Degree Requirements, see Page 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. (BLED 350). Developmental and vocational technical courses will not be counted toward graduation requirements. Students seeking NMPED 7-12 licensure must fulfill the bachelor’s degree requirements of their major (Page 60 and the corresponding pages for selected major). See Page 60 for majors offering coursework leading to secondary licensure.

2. Teaching Degree General Education Requirements (41-44 Hours), see Page 62.

3. Teaching Content Area (Major)
   Note: GPA of 2.75 is required in the major

4. Professional Education Requirements (33 Hours)
   Students must complete the following courses in numbered sequence with a grade of “C” or higher, unless otherwise noted.

   **INTRODUCTION TO EDUCATION COURSEWORK**
   EDUC 2116/L Structured Observations of Teaching and Learning (3) (must be completed with a grade of “B” or higher)
   SPED 300 Introduction to Special Education (3) (must be completed with a grade of “B” or higher)

   **Gateway I:**
   FOUNDATIONS OF TEACHING COURSEWORK
   BLED 350 Cultural and Linguistic Pluralism (3)
   EDF 301 Foundations of Education and Learning (3)
   EDF 309 Technology for the Classroom (3)

   **Gateway II:**
   PROFESSIONAL TEACHER EDUCATION COURSEWORK
   SED 402 Effective Teaching and Learning: Planning and Assessment (3)
   SED 405 Effective Teaching and Learning: Classroom Management and Issues in Education (3)
   RED 495 Secondary Education Content Area Literacy and Strategies (3)

   **Gateway III:**
   CAPSTONE EXPERIENCE
   SED 460 Secondary Education Student Teaching (9)

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 60 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 (PRE-K-12)

Note: Cumulative GPA of 2.75 is required.

1. Bachelor’s Degree Requirements, see Page 45
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. (BLED 350). B.A. E. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (41-44 Hours), see Page 62.

3. Professional Education Requirements
   Must be completed with a grade of “C” or higher unless otherwise noted (44 Hours)
INTRODUCTION TO EDUCATION COURSEWORK

EDUC 2116/L Structured Observations of Teaching and Learning (3) (must be completed with a grade of "B" or higher)

SPED 300 Introduction to Special Education (3) (must be completed with a grade of "B" or higher)

Gateway I:

FOUNDATIONS OF TEACHING COURSEWORK

BLED 350 Cultural and Linguistic Pluralism (3)
EDF 301 Foundations of Education and Learning (3)
EDF 309 Technology for the Classroom (3)
RED 350 Teaching and Learning Reading and Writing I (3)

Gateway II:

PROFESSIONAL TEACHER EDUCATION COURSEWORK

SPED 320 Planning/Assessment for the Inclusive Classroom (3)
SPED 328 Classroom/Behavior Management: Exceptional Individuals/Inclusive Environments (3)
BLED 405 Literacy and the Bilingual Child (3)
BLED 490 ESL Strategies in Content Area (3)
RED 375 Teaching and Learning Reading and Writing II (3)
ELED 405 Literacy/Social Studies Methods for Diverse/Inclusive Classrooms (6)
ELED 406 Science/Mathematics Methods for Diverse/Inclusive Classrooms (6)

Gateway III:

CAPSTONE EXPERIENCE

ELED 460 Student Teaching: Elementary (5)
SPED 445 Student Teaching: Special Education (5)

SUBJECT MATTER ENDORSEMENT AREA/MINOR:

BILINGUAL EDUCATION

LICENSURE: SECONDARY OR ELEMENTARY/SPECIAL EDUCATION

See Page 63, Subject Matter Endorsement Area/Minor: Bilingual Education

Note: Cumulative GPA of 2.75 is required in the endorsement

ENGLISH AS A SECOND LANGUAGE

LICENSURE: SECONDARY AND ELEMENTARY/SPECIAL EDUCATION

See Page 64, Subject Matter Endorsement Area/Minor: English as a Second Language.

Note: Cumulative GPA of 2.75 is required in the endorsement.

LANGUAGE ARTS

LICENSURE: ELEMENTARY/SPECIAL EDUCATION

See Page 64, Subject Matter Endorsement Area/Minor: Language Arts.

Note: Cumulative GPA of 2.75 is required in the endorsement.

READING

LICENSURE: ELEMENTARY/SPECIAL EDUCATION

See Page 64, Subject Matter Endorsement Area/Minor: Reading.

Note: Cumulative GPA of 2.75 is required in the endorsement.
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 general education 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. Students wishing to transfer to another college or university should consult an adviser there to see a list of common course equivalencies offered 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-PRE-K LICENSURE)

**Note:** Cumulative GPA of 2.75 is required.

1. **Bachelor's Degree Requirements, see Page 40**
   
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. (ECED/BLED 473). 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 (41 Hours), see Page 62.**

3. **Professional Education Requirements**
   
   Must be completed with a grade of "C" or higher unless otherwise noted (62 Hours)

**INTRODUCTION TO EDUCATION COURSEWORK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 1110</td>
<td>Child Growth, Development and Learning (3)</td>
</tr>
<tr>
<td>ECED 1115</td>
<td>Health, Safety and Nutrition (2)</td>
</tr>
<tr>
<td>ECED 1120</td>
<td>Guiding Young Children (3)</td>
</tr>
<tr>
<td>ECED 2110</td>
<td>Professionalism (2)</td>
</tr>
<tr>
<td>ECED 2115</td>
<td>Introduction to Language, Literacy and Reading (3)</td>
</tr>
<tr>
<td>ECED 2120</td>
<td>Curriculum Development through Play: Birth through Age 4 (Pre-K) (3)</td>
</tr>
<tr>
<td>ECED 2121</td>
<td>Curriculum Development through Play: Birth through Age 4 (Pre-K) Practicum (2)</td>
</tr>
</tbody>
</table>

**Gateway I:**

**FOUNDATIONS OF TEACHING COURSEWORK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 1125</td>
<td>Assessment of Children and Evaluation of Programs (3)</td>
</tr>
<tr>
<td>ECED 1130</td>
<td>Family and Community Collaboration (3)</td>
</tr>
<tr>
<td>ECED 2130</td>
<td>Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 (3)</td>
</tr>
<tr>
<td>ECED 2131</td>
<td>Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 Practicum (2)</td>
</tr>
<tr>
<td>ECED 402</td>
<td>Advanced Caregiving for Infants and Toddlers (3)</td>
</tr>
<tr>
<td>ECED 483</td>
<td>Integrated Curriculum: Birth through Pre-K (3)</td>
</tr>
<tr>
<td>ECED/BLED 473</td>
<td>Integrated Curriculum: Birth through Pre-K Practicum (4)</td>
</tr>
</tbody>
</table>

**Gateway II:**

**PROFESSIONAL TEACHER EDUCATION COURSEWORK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 302</td>
<td>Emergent Literacy (3)</td>
</tr>
<tr>
<td>ECED 401</td>
<td>Young Children with Diverse Abilities (3)</td>
</tr>
<tr>
<td>ECED 481</td>
<td>Research in Child Growth, Development and Learning (3)</td>
</tr>
<tr>
<td>ECED 485</td>
<td>Integrated Curriculum: Birth through Pre-K Practicum (4)</td>
</tr>
</tbody>
</table>

**Gateway III:**

**CAPSTONE EXPERIENCE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 487</td>
<td>Student Teaching in Early Childhood Education (12)</td>
</tr>
</tbody>
</table>

**To total 45 credits, select courses from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLED 438</td>
<td>Language Arts and ESL</td>
</tr>
<tr>
<td>CDIS 310</td>
<td>Phonetics/Phonology</td>
</tr>
<tr>
<td>CDIS 324</td>
<td>Literacy Development and Disorders</td>
</tr>
<tr>
<td>CDIS 330</td>
<td>Speech and Language Development</td>
</tr>
<tr>
<td>ECED 320</td>
<td>Teaching Reading and Writing Practicum</td>
</tr>
<tr>
<td>ECED 403</td>
<td>Infant and Toddler Assessment and Evaluation</td>
</tr>
<tr>
<td>ECED 404</td>
<td>Practicum</td>
</tr>
<tr>
<td>ECED 405</td>
<td>Advanced Knowledge and Practical Application</td>
</tr>
<tr>
<td>ECED 406</td>
<td>Practicum</td>
</tr>
<tr>
<td>EDF 309</td>
<td>Technology in the Classroom</td>
</tr>
<tr>
<td>RED 320</td>
<td>Writing Centered Classrooms</td>
</tr>
<tr>
<td>RED 350</td>
<td>Teaching and Learning Reading and Writing I</td>
</tr>
<tr>
<td>RED 375</td>
<td>Teaching and Learning Reading and Writing II</td>
</tr>
<tr>
<td>RED 471</td>
<td>Literacy Assessment and Data Driven Instruction</td>
</tr>
<tr>
<td>RED 496</td>
<td>Elementary Education Content Area Literacy and Strategies</td>
</tr>
</tbody>
</table>

**Note:** This major does not require a minor.
DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: EARLY CHILDHOOD EDUCATION

EMPHASIS: EARLY CHILDHOOD EDUCATION
BIRTH THROUGH PRE-K (NON-LICENSED)

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete institutional requirements, FYEX 1110, and BLED/ECE 473, which is the global diversity requirement. 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 (31-33 Hours), see Page 47.

3. Pre-professional Requirements (2 Hours)
   ECED 2110 Professionalism (2)

4. Professional Education in Early Childhood Education (45 Hours)
   ECED 1110 Child Growth, Development and Learning (3)
   ECED 1115 Health, Safety and Nutrition (2)
   ECED 1120 Guiding Young Children (3)
   ECED 1125 Assessment of Children and Evaluation of Programs (3)
   ECED 1130 Family and Community Collaboration (3)
   ECED 2115 Introduction to Language, Literacy and Reading (3)
   ECED 2120 Curriculum Development through Play: Birth through Age 4 (Pre-K) (3)
   ECED 2130 Curriculum Development and Implementation: Age 3 (Pre-K through Grade 3) (3)
   ECED 302 Emergent Literacy (3)
   ECED 402 Advanced Caregiving for Infants and Toddlers (3)
   ECED 481 Research in Child Growth, Development and Learning (3)
   ECED 483 Integrated Curriculum: Birth through Pre-K (3)
   ECED 401 Young Children with Diverse Abilities (3)
   ECED/BLED 473 Family, Language and Culture (3)

To total 45 credits, select courses from:
   ECED 320 Teaching Reading and Writing Practicum
   ECED 403 Infant and Toddler Assessment and Evaluation Practicum
   ECED 404 Advanced Knowledge and Practical Application Practicum
   ECED 405 Advanced Knowledge and Practical Application Practicum
   RED 350 Teaching and Learning Reading and Writing I

   RED 471 Literacy Assessment and Data Driven Instruction
   RED 375 Teaching and Learning Reading and Writing II
   RED 496 Elementary Education Content Area Literacy and Strategies
   EDF 320 Writing Centered Classrooms
   EDF 309 Technology in the Classroom
   BLED 438 Language Arts and ESL
   CDIS 310 Phonetics/Phonology
   CDIS 324 Literacy Development and Disorders
   CDIS 330 Speech and Language Development

5. Practicum and Supervised Field Experiences (20 Hours)
   ECED 2121 Curriculum Development through Play: Birth through Age 4 (Pre-K) Practicum (2)
   ECED 2131 Curriculum Development and Implementation: Age 3 through Grade 3 Practicum (2)
   ECED 485 Integrated Curriculum: Birth through Pre-K Practicum (4)

Select courses to substitute for 12 credits of student teaching and meet 40 upper-division and 120 minimum hour requirements. Six (6) electives will complete a minimum of 120 hours.

Select courses from:
   ECED 320 Teaching Reading and Writing Practicum
   ECED 403 Infant and Toddler Assessment and Evaluation Practicum
   ECED 404 Advanced Knowledge and Practical Application Practicum
   ECED 406 Teaching and Learning Reading and Writing I
   RED 471 Literacy Assessment and Data Driven Instruction
   RED 375 Teaching and Learning Reading and Writing II
   RED 496 Elementary Education Content Area Literacy and Strategies
   EDF 320 Writing Centered Classrooms
   EDF 309 Technology in the Classroom
   BLED 438 Language Arts and ESL
   CDIS 310 Phonetics/Phonology
   CDIS 324 Literacy Development and Disorders
   CDIS 330 Speech and Language Development

Note: This major does not require a minor.
DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: EARLY CHILDHOOD EDUCATION

Note: Cumulative GPA of 2.75 is required.

1. Bachelor's Degree Requirements, see Page 40. Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (ECED/BLED 473). 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 (41 Hours), see Page 62.

3. Professional Education Requirements (62 Hours) Must be completed with a grade of "C" or higher unless otherwise noted.

INTRODUCTION TO EDUCATION COURSEWORK
ECED 1115 Health, Safety and Nutrition (2)
ECED 1120 Guiding Young Children (3)
ECED 1110 Child Growth, Development and Learning (3)
ECED 2110 Professionalism (2)
ECED 2115 Introduction to Language, Literacy and Reading (3)
ECED 2120 Curriculum Development through Play, Birth through Age 4 (Pre-K) (3)
ECED 2121 Curriculum Development through Play: Birth through Age 4 (Pre-K) Practicum (2)

Gateway I:
FOUNDATIONS OF TEACHING COURSEWORK
ECED 1125 Assessment of Children and Evaluation of Programs (3)
ECED 1130 Family and Community Collaboration (3)
ECED 2130 Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 (3)
ECED 2131 Curriculum Development & Implementation: Age 3 (Pre-K) through Grade 3 Practicum (2)
ECED 320 Teaching Reading and Writing Practicum I (1)
RED 350 Teaching and Learning Reading and Writing (3)

Gateway II:
PROFESSIONAL TEACHER EDUCATION COURSEWORK
ECED 401 Young Children with Diverse Abilities (3)
ECED 408 Teaching and Learning Language Arts (3)
ECED 417 Teaching and Learning Social Studies, Fine Arts and Movement (3)

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: EARLY CHILDHOOD EDUCATION

EMPHASIS: EARLY CHILDHOOD EDUCATION INFANT FAMILY STUDIES (NON-LICENSURE)

There are no admissions to the Early Childhood Education Infant Family Studies (Non-licensure) emphasis program at this time. Students are encouraged to consider the Early Childhood Education programs that lead to licensure listed above.

MINOR: EARLY CHILDHOOD EDUCATION

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 40. Note: Students must successfully complete institutional requirements, FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.

2. Associate Degree General Education Requirements (31-33 Hours), see Page 47.
3. Early Childhood Education and Related Course Requirements (29 Hours)

ECED 1110 Child Growth, Development and Learning (3)
ECED 1115 Health, Safety and Nutrition (2)
ECED 1120 Guiding Young Children (3)
ECED 1125 Assessment of Children and Evaluation of Programs (3)
ECED 1130 Family and Community Collaboration (3)
ECED 2115 Introduction to Language, Literacy and Reading (3)
ECED 2110 Professionalism (2)
ECED 2120/2121 Curriculum Development through Play: Birth through Age 4 (Pre-K) (5)
ECED 2130/2131 Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 Practicum (5)

This program requires about 67 hours
DEPARTMENT OF AGRICULTURE, FOOD SCIENCE AND KINESIOLOGY

Associate Professor  Charles C. Broz  Sarah J. Wall
Assistant Professor  Richard Guerra  Ali Hussein  Cynthia L. Miller  Whitney Potts  Shyanne Sansom  Marshall Swafford  Youngmin Yoon

The department is composed of program areas that include agriculture, culinary arts, career and technical education, and kinesiology (formerly HPE). 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; and strong camaraderie among department, students and faculty.

AGRICULTURE

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 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, close involvement with area high schools’ agriculture and programs; FFA judging contests; and other opportunities in the region.

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 degrees with majors in agricultural education and an agricultural education (industry) option
3. Bachelor of Science degree with a major in agricultural sciences
4. Associate of Arts degree with a major in agriculture
5. A minor in agriculture for students pursuing teaching or 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 courses in agriculture begin on Page 149.

Students in a major with licensure will complete the Teaching Degree General Education Requirements as found on Page 62, and Professional Education Requirements listed on Page 65. Students pursuing non-teaching majors will complete General Education requirements as found on Page 47.

All agriculture students pursuing non-teaching majors will complete the following core curriculum:

Agriculture Core Curriculum (17 Hours)
- ANSC 1120 Introduction to Animal Science (3)
- ANSC 1110 Animal Science Careers (1)
- AGRO 1100C Introduction to Plant Science (3)
- SOIL 2110 Introduction to Soil Science (3)
- ANSC 2320 Principles of Animal Nutrition (3)
- AEEC 1110 Introduction to Agricultural Economics and Business (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 40. Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

Suggested general education courses:
- BIOL 2110/L Principles of Biology: Cellular and Molecular (4)
- CHEM 1215/L General Chemistry I for STEM Majors (4)
- MATH 1220 College Algebra (4)

3. Agriculture Core Curriculum (17 Hours), see Page 71.

4. Agriculture Requirements (30 Hours)
- AGRI 1120 Introduction to Dairy (3)
- ANSC 2340 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 40.
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.
Suggested general education courses:
BIOL 2110/L Principles of Biology: Cellular and Molecular (4)
CHEM 1215/L General Chemistry I for STEM Majors (4)
MATH 1220 College Algebra (4)

3. Agriculture Core Curriculum (17 Hours), see Page 71.

4. Agriculture Requirements (24 Hours)
AGRI 1120 Introduction to Dairy (3)
ANSC 2340 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 (34 Hours)
BIOL 2610/L Principles of Biology: Biodiversity, Ecology and Evolution (4)
BIOL 306/L Microbiology (4)
CHEM 1225/L General Chemistry II for STEM Majors (4)
CHEM 341/L Organic Chemistry I (4)
CHEM 342/L Organic Chemistry II (4)
CHEM 452 Biochemistry (3)
ENGL 2210 Professional & Technical Communication (3)
PHYS 1230/L Algebra-based Physics I (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 40.
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (BLED 350). 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 (41-43 Hours), see Page 62.

3. Agriculture Education Core Curriculum (13 Hours)
ANSC 1120 Introduction to Animal Science (3)
ANSC 1110 Animal Science Careers (1)
AGRO 1110C Introduction to Plant Science (3)
OR
SOIL 2110 Introduction to Soil Science (3)
ANSC 2320 Principles of Animal Nutrition (3)
AEEC 1110 Introduction to Agricultural Economics and Business (3)

4. Agriculture Education Course Requirements (12 Hours)
AGRI 1110 Introduction to Agricultural Education (3)
AG 394 Professional Leadership and Development (3)
AG 400 Planning Agriculture Education Programs (3)
AG 480 Methods of Teaching Agriculture (3)

5. Students must also complete (9 Hours)
• AG Mechanics elective course (3 Hours)
• Other electives in Agriculture (6 Hours)

6. Professional Education Requirements (42 Hours), see Page 65.

7. This major requires about 122 hours
Note: This major does not require a minor.
DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: AGRICULTURAL EDUCATION – INDUSTRY OPTION

1. Bachelor’s Degree Requirements, see Page 40. 
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Agriculture Education Core Curriculum (28 Hours)
   ANSC 1120 Introduction to Animal Science (3)
   ANSC 1110 Animal Science Careers (1)
   AGRO 1100C Introduction to Plant Science (3) OR
   HORT 1100 Introduction to Horticulture (3)
   AGRI 1110 Introduction to Agricultural Education (3)
   SOIL 2110 Introduction to Soil Science (3)
   AG 394 Professional Leadership and Development (3)
   AG 400 Planning Agriculture Education Programs (3)
   AG 413 Experimental Design and Statistical Analysis (3)
   AG 480 Methods of Teaching Agriculture (3)
   AG 494 Senior Seminar (3)
   Students must also complete 6 hours from:
   AG 348 Swine Production (3)
   AG 349 Small Ruminant Production (3)
   ANSC 2320 Principles of Animal Nutrition (3)
   AG 351 Beef Production (3)

4. Art Core Curriculum (12 Hours)
   ARTS 1520 Digital Media I (3)
   ARTS electives (9 Hours)

5. Communication Core Curriculum (9 Hours)
   COMM 1140 Introduction to Media Writing (3)
   COMM electives (6 Hours)

6. Marketing Core Curriculum (6 Hours)
   MKTG 2210 Principles of Marketing (3)
   MKT 362 Sales Management (3)

7. 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 40. 
   Note: Students must successfully complete FYEX 110. Developmental and vocational/technical courses will not be counted toward graduation requirements.

2. Associate Degree General Education Requirements (35 Hours), see Page 47.

3. Agriculture Course Requirements (18 Hours)
   AEEC 1110 Introduction to Agricultural Economics and Business (3)
   AGRI 1110 Introduction to Dairy (3)
   AGRO 1110C Introduction to Plant Science (3)
   ANSC 1120 Introduction to Animal Science (3)
   ANSC 2320 Principles of Animal Nutrition (3)
   SOIL 2110 Introduction to Soil Science (3)

4. Electives to complete a minimum of 60 hours
MINOR: AGRICULTURE

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

Agriculture Course Requirements (21 Hours)
- AEEC 1110 Introduction to Agricultural Economics and Business (3)
- AGRO 1110C Introduction to Plant Science (3)
- ANSC 1120 Introduction to Animal Science (3)
- ANSC 2320 Principles of Animal Nutrition (3)
- SOIL 2110 Introduction to Soil Science (3)

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

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: CULINARY ARTS

1. Bachelor’s Degree Requirements, see Page 40
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47

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)
- FCST 2320 Culinary Nutrition (3)
- ACCT 2110 Principles of Accounting I (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: 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 40.
Note: Students must successfully complete FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.

CULINARY ARTS

Culinary arts courses are designed to train students for successful careers in the foodservice industry. Learning objectives are met through development of critical thinking skills, as well as hands-on training in the modern art of cookery. Students in the Culinary Arts Program are encouraged to approach issues from a managerial perspective, and to develop the ability to balance time, efficiency, and best practices in sanitation. In addition, all culinary arts students will complete an internship, working in some aspect of the industry.

The culinary arts curriculum prepares students for all aspects of the foodservice industry, including restaurant cookery, off-site catering, meat processing, baking and pastry, nutrition, accounting, and hospitality management. The blend of laboratory training, when complemented by real-world experience, provides a solid foundation on which individuals can realize their potential. The department of Agriculture, Food Science and Kinesiology accepts only grades of “C” or higher in courses required for the major, minor and emphasis areas. Descriptions of culinary arts courses begin on Page 161.
2. **Associate Degree General Education Requirements (31-33 Hours), see Page 47.**

3. **Culinary Arts and Related Course Requirements (22 Hours)**
   - CA 102 ServSafe®
   - CA 104 Culinary Essentials I
   - CA 120 Applied Culinary Skills I
   - CA 125 Introduction to Baking and Pastry
   - CA 204 Culinary Essentials II
   - CA 220 Applied Culinary Skills II
   - FCST 2320 Culinary Nutrition
   - ACCT 490 Principles of Accounting I

4. **Electives to complete a minimum of 60 hours**

**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®
- CA 104 Culinary Essentials I
- CA 120 Applied Culinary Skills I
- CA 125 Introduction to Baking and Pastry
- CA 204 Culinary Essentials II
- CA 220 Applied Culinary Skills II

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

**FAMILY AND CONSUMER SCIENCES**

There are no admissions to the Family and Consumer Sciences major or minor programs at this time. Students pursuing a B.S. or A.A. with a major in FCS, a minor in FCS, or a minor in Nutrition will complete their programs under their original catalog. B.A.A.S. in FCS and in FCS (Foods and Nutrition) are also unavailable for new enrollment at this time.

**KINESIOLOGY (FORMERLY HPE)**

Programs in the Department of Health and Physical Education are designed primarily to prepare students for careers in health, recreation, coaching and physical education within public schools and the private sector, or for careers in professional sports and recreation management. Bachelor of Science, Associate of Arts, minors, and endorsement areas for educators are available as noted in the following section with their respective requirements. A Master of Science in Physical Education is also offered. For additional information regarding the Master of Science in Physical Education with emphases in sport and recreation management or coaching, refer to the ENMU Graduate Catalog. Descriptions of courses begin on Page 187.

*Note:* Common Course number assignment may result in changes to lower-division course prefixes and numbers for HPE/Kinesiology courses.

**Kinesiology (HPE) Core Curriculum (20 Hours)**
- HPE 121 Concepts of Health/Wellness
- HPE 145 Concepts in Physical Education
- HLED 1120 American Red Cross First Aid & CPR/AED
- HPE 241 Structural Kinesiology
- HPE 312 Biomechanics
- FCST 318 Nutrition, Health and Fitness
- HPE 345 Professional Review
- SED 405 Classroom Management, Discipline and Issues in Secondary Education

*Note:* 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 2.75 is required.

1. **Bachelor’s Degree Requirements, see Page 40.**
   *Note:* Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (BLED 350). 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 (41-43 Hours), see Page 62.**

3. **Professional Education Requirements (42 Hours), see Page 65.**

4. **HPE Core Curriculum (20 Hours), see Page 75.**

5. **Kinesiology (HPE) Course Requirements (22 Hours)**
- HPE 212 Motor Behavior
- HPE 212L Motor Behavior I Laboratory
- HPE 298 Teaching Movement: Topics
- HPE 312L Biomechanics Laboratory
- HPE 313 Physiology of Exercise
- HPE 313L Physiology of Exercise Laboratory
- HPE 433 Methods/Curriculum in PE
- HPE 473 Health Education Methods/Materials
- HPE 483 Field Experiences: Topics

6. **This program requires about 120 hours**
   *Note:* A second minor in an endorsement area is not required, but the faculty strongly recommends that students select a second endorsement area/minor.
DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: PHYSICAL EDUCATION

EMPHASIS: HEALTH AND WELLNESS

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-
   division requirement. 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 (31-33 Hours), see Page 47.
3. HPE Core Curriculum (20 Hours), see Page 75.
4. Health and Wellness (25 Hours)
   - HPE 121 Concepts of Health/Wellness (3)
   - HPE 145 Concepts in Physical Education (3) (whichever not taken in HPE Core)
   - HPE 212 Motor Behavior I (3)
   - HPE 298 Movement: Topics (3, 3)
   - HPE 312L Biomechanics Laboratory (1)
   - HPE 313 Physiology of Exercise (3)
   - HPE 313L Physiology of Exercise Laboratory (1)
   - HPE 433 Methods/Curriculum in PE (3)
   - HPE 483 Field Experiences: Topics (1)
   - HPE 489 Internship in HPE (3)
5. Other requirements in Health and Physical Education (12 Hours) Students must complete 12 hours of HPE theory courses.
6. 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. All classes taken to complete the A.A. Recreation degree will count towards the B.S. in Physical Education.
1. Associate Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. Associate Degree General Education Requirements (31-33 Hours), see Page 47.
3. Health and Physical Education Requirements (17 Hours)
   - FCST 318 Nutrition, Health and Fitness (3) OR
   - HLED 1120 American Red Cross First Aid & CPR/AED (2)
   - HPE 121 Concepts of Health/Wellness (3) OR
   - HPE 145 Concepts in Physical Education (3)
   - HPE 207 Media and Public Relations in Sport (3) OR
   - HPE 212 Motor Behavior I (3)
   - HPE 241 Structural Kinesiology (3)
   - HPE 298 Teaching Movement: Topics (3)
   - HPE 345 Physical Activity: Law and Ethics
4. Students must complete 13 hours of HPE (200-/2000-/300-level) theory courses
5. Electives to complete a minimum of 60 hours
   Note: 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 2.75 is required for the endorsement.
Note: Student must receive a passing grade on required exams for licensure. See Teacher Education Program on Page 56 for more information.

1. Teacher General Education (41-43 Hours), see Page 62.
2. Health Education Course Requirements (24 Hours)
   - FCST 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)

* May also be used to satisfy Teaching General Education Requirements, Page 62.

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 1310/L Introduction to Human Anatomy and Physiology I (4)
   - BIOL 1320/L Introduction to Human Anatomy and Physiology II (4)
   - BIOL 2210 Human Anatomy and Physiology I (4) AND
   - BIOL 2225 Human Anatomy and Physiology II (4)

* May also be used to satisfy General Education Requirements. Please consult with an adviser before enrolling in the course.

MINOR: COACHING

Note: A minor in coaching will NOT lead to teaching certification nor will it be accepted as an endorsement area for a New Mexico teaching license.

Coaching Course Requirements (26 Hours)
   - HLEd 1120 American Red Cross First Aid & CPR/AED (2), or proof of current First Aid and CPR Certification
   - HLEd 2135 Basic Care/Prevention: Athletic Injuries (3)
   - HLEd 2170/L Motor Behavior I (4)
   - EXSC 2120 Structural Kinesiology (3)
   - HLEd 2119 Principles of Coaching (3)
   - HPE 312/L Biomechanics (4)
   - HPE 313/L Physiology of Exercise (4)

* May also be used to satisfy General Education Requirements.
Three credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE 281</td>
<td>Officiating of Sports (3)</td>
</tr>
<tr>
<td>HPE 331</td>
<td>Coaching of Football (3)</td>
</tr>
<tr>
<td>HPE 333</td>
<td>Coaching of Basketball (3)</td>
</tr>
<tr>
<td>HPE 337</td>
<td>Coaching of Tennis (3)</td>
</tr>
<tr>
<td>HPE 338</td>
<td>Coaching of Soccer (3)</td>
</tr>
<tr>
<td>HPE 341</td>
<td>Coaching of Volleyball (3)</td>
</tr>
<tr>
<td>HPE 342</td>
<td>Coaching of Track and Field (3)</td>
</tr>
<tr>
<td>HPE 382</td>
<td>Coaching of Softball/Baseball (3)</td>
</tr>
</tbody>
</table>

Recommended courses in other areas (8 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1310/L*</td>
<td>Introduction to Human Anatomy and Physiology I (4)</td>
</tr>
<tr>
<td>BIOL 1320/L*</td>
<td>Introduction to Human Anatomy and Physiology II (4)</td>
</tr>
<tr>
<td>BIOL 2210*</td>
<td>Human Anatomy and Physiology I (4)</td>
</tr>
<tr>
<td>BIOL 2225*</td>
<td>Human Anatomy and Physiology II (4)</td>
</tr>
</tbody>
</table>

* May also be used to satisfy General Education Requirements. Please consult with an adviser before enrolling in the course.

MINOR: HEALTH EDUCATION

Courses Recommended within Non-Teaching General Education Requirements (7 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1110/L*</td>
<td>Chemistry in Our Community (4)</td>
</tr>
<tr>
<td>COMM 1130*</td>
<td>Public Speaking (3)</td>
</tr>
</tbody>
</table>

Health Education Course Requirements (24 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE 121</td>
<td>Concepts in Health/Wellness (3)</td>
</tr>
<tr>
<td>HPE 240</td>
<td>Pharmacology Education for Health Professionals (3)</td>
</tr>
<tr>
<td>HPE 302</td>
<td>Curriculum/Program Planning in Health (3)</td>
</tr>
<tr>
<td>HPE 321</td>
<td>Wellness: Individual and Global (3)</td>
</tr>
<tr>
<td>HPE 330</td>
<td>Human Sexuality (3)</td>
</tr>
<tr>
<td>HPE 473</td>
<td>Health Education Methods/Materials (3)</td>
</tr>
<tr>
<td>NUTR 2110</td>
<td>Human Nutrition (3) OR</td>
</tr>
<tr>
<td>FCST 318</td>
<td>Nutrition, Health and Fitness (3)</td>
</tr>
<tr>
<td>SWK 321</td>
<td>Human Behavior in the Social Environment I (3) OR</td>
</tr>
<tr>
<td>SWK 349</td>
<td>Perspectives in Mental Health (3)</td>
</tr>
</tbody>
</table>

* May also be used to satisfy General Education Requirements. Please consult with an adviser before enrolling in the course.

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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE 207</td>
<td>Media and Public Relations in Sports (3)</td>
</tr>
<tr>
<td>HPE 310</td>
<td>Facilities and Event Management (3)</td>
</tr>
<tr>
<td>HPE 345</td>
<td>Physical Activity: Law and Ethics (3)</td>
</tr>
<tr>
<td>HPE 380</td>
<td>Fundamentals of Sport Management (3)</td>
</tr>
<tr>
<td>HPE 459</td>
<td>Sports Marketing (3)</td>
</tr>
</tbody>
</table>

Three credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPE 303</td>
<td>Sport Governance (3)</td>
</tr>
<tr>
<td>HPE 304</td>
<td>Sport Finance (3)</td>
</tr>
<tr>
<td>HPE 305</td>
<td>Human Resources in Sport Management (3)</td>
</tr>
<tr>
<td>HPE 325</td>
<td>Global Sports (3)</td>
</tr>
<tr>
<td>HPE 340</td>
<td>Recreation and Intramural Programming (3)</td>
</tr>
<tr>
<td>HPE 425</td>
<td>Contemporary Issues: Topics (3)</td>
</tr>
</tbody>
</table>

BACHELOR OF CAREER AND TECHNICAL EDUCATION (B.C.T.E.)

The Bachelor of Career and Technical Education (B.C.T.E.) is an online distance education degree program that allows prospective and current career and technical education instructors and trainers to obtain a Bachelor of Career and Technical Education (B.C.T.E.) degree. The purpose of the program is to prepare instructors for licensure in Career and 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.C.T.E. degree is designed for students who possess or who will meet the requirements for an 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) or by the U.S. Department of Education.

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 career-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 Diversity/Global upper-division courses, most of 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 161.

**DEGREE:** BACHELOR OF CAREER AND TECHNICAL EDUCATION (B.C.T.E.)

**MAJOR:** CAREER AND TECHNICAL EDUCATION

1. **Bachelor's Degree Requirements, see Page 40.**
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. The BCTE degree requires a minimum of 18 hours of upper-division courses. Developmental courses will not be counted toward graduation requirements.

2. **General Education Requirements (31-32 Hours), see Page 47.** These courses may have been completed as part of the associate degree.

3. **Career-Technical Field (30-58 Hours)** Career-technical major work transferred from an accredited institution. Must be in a career-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 2.75 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)
   - PSYC 2130 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.
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 81. Students with technical or vocational associate degrees may also pursue the Bachelor of Applied Arts and Sciences degree.

Bachelor of University Studies (B.U.S)

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 adviser 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
MAJOR: UNIVERSITY STUDIES

1. Bachelor's Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.
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
5. The B.U.S. degree is not available as a second bachelor's degree
   Note: B.U.S. degree cannot be completed concurrently with any other bachelor’s degree.
BACHELOR OF APPLIED ARTS AND SCIENCES (B.A.A.S.)

B.A.A.S. Degree Concentration

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). 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. To complete the B.A.A.S. degree, students must complete at least 30 hours (10 classes) at ENMU-Portales. 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, cosmology, 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 renewable energy or 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 45. Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47. 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.

Electives to complete a minimum of 120 hours

5. 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.

Required Core Courses (15 Hours)
ANSC 1120 Introduction to Animal Science (3)
ANSC 2320 Principles of Animal Nutrition (3)
ANSC 2340 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)

BUSINESS

Business Course Requirements (33 Hours)
ACCT 2110 Principles of Accounting I (3)
BFIN 2110 Introduction to Finance (3)
BLAW 2110 Business Law I (3)
ECON 1110 Survey of Economics (3)
MGMT 2110 Principles of Management (3)
MKTG 2210 Principles of Marketing (3)

Students must also complete any five upper-division (300-/400-level) College of Business elective courses (15 Hours)

Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.

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 can complete CTED 481 Supervised Classroom Internship should pursue the Bachelor of Career and Technical Education degree, see Page 78 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)
PSYC 2130* 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 upper-division 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)**
- CJUS 1110/CJ 102 Introduction to Criminal Justice (3)
- CJUS 301 Criminal Law and the Courts (3)
- CJUS 310** Comparative Criminal Justice (3)
- CJUS 312 Criminology (3)
- SOCI 1110* Introduction to Sociology (3)
- SOCI 303 Race, Ethnicity and Gender (3)
- SOCI 311 Collective Behavior (3) OR
- SOCI 324 Social Psychology (3)
- SOCI 431 Deviant Behavior (3)

Select one course from the following (3 Hours):
- CJUS 2150 Corrections (3)
- CJUS 432 Police and Society (3)
- CJUS 457 Probation and Parole (3)

Also complete any SOC course offered through ENMU-Portales (3 Hours)

* May also be used to satisfy a General Education Requirement.

** May also meet the Diversity/Global upper-division Requirement.

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**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.

**Required Courses (24 Hours)**
- CA 300 History of Cooking (3)
- CA 496 Culinary Arts Internship (3)
- HRTM 320 Hospitality Facilities Management (3)
- HRTM 410 Food Operations Management (3)
- HRTM 420 Bar and Beverage Management (3)
- MGMT 313 Organizational Behavior (3)
- ACCT 2110 Principles of Accounting I (3)

One upper-division course from CA, HRTM, Social Work (SOWK), or another related area (3)

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**ELECTRONICS ENGINEERING TECHNOLOGY**

Students who complete the B.A.A.S. degree with an emphasis in electronics engineering technology 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, 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 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
- EET 457/L Electronic Communications II (3)
- EET 472/L Microcontroller Programming and Interfacing (3)
- EET 490 Capstone (3)

**Additional Required Courses (7-11 Hours)**
- MATH 1220* College Algebra (4)
- MATH 1230* Trigonometry (3)
- MATH 1510* Calculus I (4) (prerequisite for EET 310 or EET 450)

* May also be used to satisfy a General Education Requirement.

**ELECTRONICS ENGINEERING TECHNOLOGY (ANALOG)**

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, 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 Core Courses (12 Hours)**
- EET 110/L Circuit Analysis I (3)
- EET 210/L Circuit Analyses II (3)
- EET 337/L Semiconductor Devices I (3)
- EET 357/L Electronic Communications I (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 1220* College Algebra (4)
MATH 1230* 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 (21 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 421 Special Problems (3) OR IS 301 Information Systems for Managers (3)
EET 472/L Microcontroller Programming and Interfacing (3)
EET 490 Capstone (3)

Additional Required Courses (4 Hours)
MATH 1220* College Algebra (4)

* May also be used to satisfy a General Education Requirement.

ELECTRONICS ENGINEERING TECHNOLOGY (RENEWABLE ENERGY)

Students who complete the B.A.A.S. degree with an emphasis in renewable energy technology will gain advanced knowledge in renewable and alternative energy technologies. Renewable energy engineering technologists develop renewable energy systems, make improvements on energy efficiency, and apply science and engineering with an economic sense to create a more sustainable future for our planet. Depending on the core upper-level EET courses completed, graduates may pursue careers in one or more of the following areas: electrical systems, advanced controls, green buildings, energy-efficient lighting, fuel cells and batteries, wind turbines, solar power engineering technology, PV/

semiconductor processing technology, facilities and energy management systems, energy system integration engineer technology. This concentration can be completed through online instruction.

Required Core Courses (27 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 402/L Renewable Energy Technology I (3)
EET 403/L Renewable Energy Technology II (3)
EET 404/L Renewable Energy Technology III (3)
EET 412/L Electrical Power and Machinery (3)

Electives: Select one course from the following (3 Hours)
EET 302/L Industrial Electronics (3)
EET 310/L Linear Systems Analysis (3)
EET 337/L Semiconductor Devices II (3)
EET 437/L Semiconductor Devices III (3)
EET 450/L Control Systems (3)
EET 489 Industrial Internship (Renewable Energy Related) (3)
EET 490 Capstone (Renewable Energy Projects) (3)

Additional Required Courses (11-15 Hours)
MATH 1220* College Algebra (4)
MATH 1230* Trigonometry (3)
MATH 1350* Introduction to Statistics (4)
MATH 1510* Calculus I (4) prerequisite for EET 310 or EET 450

* 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 115 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)

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 116 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 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)
EMGT* Elective (3)

* Contact concentration adviser 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.

Required Core Courses (19 Hours)
BCIS 301 Information Systems for Managers (3)
BCIS 315 Electronic Business Strategy, Architecture and Design (3)
BCIS 316 Information Systems Security (3)
CS 220 Discrete Mathematics for CS (3)
CS 234 Computer Science II (4)
CS 357 Data Structures (3)

Note: Some SOWK courses may be delivered online through live Mediasite video; there is an expectation that students will participate at the scheduled time.

Required Courses (33 Hours)
PSYC 1110* Introduction to Psychology (3)
SOCJ 1110* Introduction to Sociology (3)
Select one course from the following:
PSYC 2120* Developmental Psychology (3)
PSYC 2140* Child Psychology (4)
PSYC 2130* Adolescent Psychology (3)
Select two courses from the following:
NURS 312** Global Health Care (3)
PSYC 402 Abnormal Psychology (3)
SOCJ 302** Racial and Ethnic Relations (3)
SOWK 2110 Introduction to Human Services and Social Work (3)
Select two courses from the following:
PSYC 302 Learning (3)
SOCJ 311 Collective Behavior
PSYC/SOCI 324 Social Psychology (3)
SOWK 321 Human Behavior in the Social Environment (3)
Select two courses from the following:
CDIS 320** Issues in Disability (3)
PSYC 435 Cognition (3)
SOCI 320 Social and Cultural Change (3)
SOCJ 415 Sociology of the Family (3)
SOWK 345 Working with Aging Populations (3)

* May also be used to satisfy a General Education 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, and 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)
BCIS 301 Information Systems for Managers (3)
BCIS 315 Electronic Business Strategy, Architecture and Design (3)
BCIS 316 Information Systems Security (3)
CS 220 Discrete Mathematics for CS (3)
CS 234 Computer Science II (4)
CS 357 Data Structures (3)
Select two courses from the following (6 Hours)
CS 451 Design and Analysis of Algorithms (3)
BCIS 343 Database Management Systems (3)
BCIS 420 Systems Analysis and Design (3)
BCIS 430 Advanced Web Development (3)
BCIS 435 Network Infrastructure Design (3)
BCIS 440 Server Operating Systems (3)
BCIS 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 1220* College Algebra (4) – prerequisite for CS 220
* May also be used to satisfy a General Education Requirement.

INFORMATION SYSTEMS (BUSINESS)

Course Requirements (31 Hours)
BLAW 2110 Business Law I (3)
BCIS 1110 Introduction to Information Systems (3) (prerequisite for IS 281)
BCIS 281 Spreadsheet and Data Analysis (3)
BCIS 301 Information Systems for Managers (3) (prerequisite for BCIS 315, 316)
BCIS 315 Electronic Business Strategy, Architecture, and Design (3)
BCIS 316 Information Systems Security and Ethics (3)
BCIS 460 Project Management (3)
MATH 1350* Introduction to Statistics (4) (prerequisite for IS 281)

Students must also complete any one upper-division (300-/400-level) College of Business elective courses (3 Hours)
* May also be used to satisfy General Education Requirements.

Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.

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 1110* United States History I (3)
HIST 1120* United States History II (3)
HIST 1150* Western Civilization I (3)
HIST 1160* Western Civilization II (3)

Select one course from the following:
POLS 1110* Introduction to Political Science (3)
POLS 1120* American National Government (3)

Select one course from the following:
PSYC 1110* Introduction to Psychology (3)
SOCI 1110* Introduction to Sociology (3)
SOCI 2310* Contemporary Social Problems (3)

Select one course from the following:
RELG 1123* Hebrew Bible (3)
RELG 1126* New Testament (3)
RELG 1110* Introduction to World Religions (3)

Students may complete the concentration in PFP in order to sit for the CFP® examination.

PFP Course Requirements (30 Hours)
ACCT 2110 Principles of Accounting I (3) (prerequisite for FIN 201)
BLAW 2110 Business Law I (3)
BFIN 2110 Introduction to Finance (3)
PFP 310 Personal Finance (3)
PFP 320 Business Risk Management and Insurance (3)
BUS 330 Investments: Principles and Policies (3)
FIN 340 Tax Planning (3)
PFP 350 Retirement Planning (3)
PFP 360 Estate Planning (3)
PFP 410 Financial Plan Development (3)

Note: Some of these courses may have prerequisites. Check catalog or discuss with adviser.

Note: ENMU only issues a “Certificate of Completion” for the 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 this CFP Board Registered Program, have met its ethics, experience and examination requirements.

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.

This concentration can be completed through online instruction.

**Note:** This emphasis does not meet New Mexico teacher licensure requirements.

### Required Courses (24-27 Hours)

**Development of Individuals – select one course from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 1110*</td>
<td>Child Growth, Development and Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2140*</td>
<td>Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2130*</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 300</td>
<td>Psychology of Adult Development Foundations</td>
<td>3</td>
</tr>
<tr>
<td>CTE 301</td>
<td>CTE Foundations</td>
<td>3</td>
</tr>
<tr>
<td>EDF 301</td>
<td>Foundations of Education and Learning (3) Overview of Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 300</td>
<td>Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>BLED 350</td>
<td>Cultural and Linguistic Pluralism</td>
<td>3</td>
</tr>
<tr>
<td>ECED 1130</td>
<td>Family and Community Collaboration I (3) Educational Strategies</td>
<td>3</td>
</tr>
<tr>
<td>EDF 309</td>
<td>Technology for the Classroom</td>
<td>3</td>
</tr>
<tr>
<td>RED 496</td>
<td>Elementary Education Content Area Literacy and Strategies (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Required Course – only required if PSY 300 is selected**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1110*</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

* 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):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 1123</td>
<td>Hebrew Bible</td>
<td>3</td>
</tr>
<tr>
<td>RELG 1126</td>
<td>New Testament</td>
<td>3</td>
</tr>
<tr>
<td>RELG 2510</td>
<td>Principles of Textual Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>RELG 330</td>
<td>History of Christianity</td>
<td>3</td>
</tr>
<tr>
<td>RELG 331</td>
<td>History of Religion in America</td>
<td>3</td>
</tr>
<tr>
<td>RELG 402</td>
<td>World's Living Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete any three upper-division (300-/400-level) RELG courses offered through ENMU-Portales (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.

#### Required Courses (32 Hours)

Complete four courses with labs from the following (16 Hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2110/L*</td>
<td>Principles of Biology: Cellular and Molecular</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2610/L*</td>
<td>Principles of Biology: Biodiversity, Ecology and Evolution</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1215/L*</td>
<td>General Chemistry I for STEM Majors</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1225/L*</td>
<td>General Chemistry II for STEM Majors</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 1110/L*</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Complete 16 credit hours (four upper-division courses with labs) at the 300-/400-level from the following science disciplines:**

**Notes:**

* May also be used to satisfy a General Education Requirement.

** Each of these courses may require prerequisites. Check catalog or discuss with adviser.

*** 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.
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.

<table>
<thead>
<tr>
<th>College of Fine Arts</th>
<th>Programs and Degrees Offered</th>
<th>Department of Art</th>
<th>Department of Music</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Graphic Design</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Art</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Graphic Design</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Department of Communication</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Broadcast Media</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Communication</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Broadcast Journalism</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Broadcast Production</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Journalism</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Public Relations</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Communication Studies</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Department of Theater and Digital Filmmaking</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Digital Filmmaking</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
<tr>
<td>Theatre</td>
<td>Minor</td>
<td>Major</td>
<td>Endorsement Area/Minor for Licensure</td>
</tr>
</tbody>
</table>
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 the 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.

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**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 ARTS 1410, Introduction to 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 courses in art begin on Page 154.

Art Core Requirements (24 Hours)
ARTH 2110* History of Art I (3)
ARTH 2120* History of Art II (3)
ARTS 1240 Design I (3)
ARTS 1250 Design II (3)
ARTS 1410 Introduction to Photography (3)
ARTS 1520 Digital Media I (3)
ARTS 1610 Drawing I (3)
ARTS 2610 Drawing II (3)

*Bachelor's Degree Requirements, see Page 40.
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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.

1. Bachelor's Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.
3. Art Core Requirements (24 Hours), see Page 90.
4. Graphic Design Art Requirements (42 Hours)
ARTS 1520 Digital Media I (3)
ARTS 2120 Graphic Design I (3)
ARTS 2125 Graphic Design II (3)
ART 220 Typography I (3)
ART 304 History of Graphic Design (3)
ART 307 Typography II (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: BACHELOR OF FINE ARTS (B.F.A.)
MAJOR: ART
EMPHASIS: GRAPHIC DESIGN

1. Bachelor's Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.
3. Art Core Requirements (24 Hours), see Page 90.
4. Graphic Design Art Requirements (42 Hours)
ARTS 1520 Digital Media I (3)
ARTS 2120 Graphic Design I (3)
ARTS 2125 Graphic Design II (3)
ART 220 Typography I (3)
ART 304 History of Graphic Design (3)
ART 307 Typography II (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 40.
   Note: Students must successfully complete FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.

2. Associate Degree General Education Requirements (31-33 Hours), see Page 47.
3. Art Course Requirements (33 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 2110</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2120</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1240</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1250</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1610</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2610</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1520</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1410</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2120</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1630</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1310</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1810</td>
<td>3</td>
</tr>
</tbody>
</table>

OR

ART 220 Typography I (3)

ARTS 1810 Jewelry and Small Metal Construction I (3)

4. This program requires a minimum of 65 hours

SUBJECT MATTER ENDORSEMENT (24 HOURS)

AREA/MINOR: VISUAL ARTS
LICENSURE: ELEMENTARY ONLY

Note: GPA of 2.75 is required in the endorsement area.

Art Core Requirements (24 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 2110*</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2120*</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1610</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1240</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1250</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1520</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1810</td>
<td>3</td>
</tr>
<tr>
<td>ART 364</td>
<td>3</td>
</tr>
</tbody>
</table>

Select six additional hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 2610</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1410</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1630</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 231</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1810</td>
<td>3</td>
</tr>
<tr>
<td>ART 364</td>
<td>3</td>
</tr>
</tbody>
</table>

* May also be used to satisfy a General Education Requirement

MINOR: VISUAL ARTS

Note: Students earning a major in art may not minor in visual arts.

Art Course Requirements (18 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1240</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1250</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1610</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2610</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1310</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1410</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1630</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1810</td>
<td>3</td>
</tr>
</tbody>
</table>

MINOR: GRAPHIC DESIGN

Note: Students earning a major in art may not minor in graphic design.

Art Course Requirements (18 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1240</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1250</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1610</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1520</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2120</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 220</td>
<td>3</td>
</tr>
</tbody>
</table>

Suggested Programs of Study in Art

- For specific information on particular degree plans, see adviser.

VISUAL ARTS

1. First year students should take ARTS 1240, 1250, 1520, 1610 and 2610.
2. Sophomores should take ARTH 2110, 2120, ARTS 1410, 1630, 1840, 2630, ART 324, and 325.
4. Seniors should take ART 318, 482.

GRAPHIC DESIGN

1. First year students should take ARTS 1240, 1250, 1520, 1610 and 2610.
2. Sophomores should take ARTH 2110, 2120, ARTS 2120, 2125, 1410, ART 220, 307 and 328.
4. Seniors should take ART 482.
DEPARTMENT OF COMMUNICATION

Professor          Jeff Gentry
Associate Professor Patricia A. Dobson
Assistant Professors Janet Birkey
                      Josh C. Bramlett
                      Darrell Roe
Instructors         Edward Caffrey
                      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 167.

<table>
<thead>
<tr>
<th>Communication Core Requirements (24 Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1150 Introduction to Mass Communication (3)</td>
</tr>
<tr>
<td>COMM 1120 Beginning Television Production (3)</td>
</tr>
<tr>
<td>COMM 1140 Introduction to Media Writing (3)</td>
</tr>
<tr>
<td>COMM 300 Introduction to Communication Theory (3)</td>
</tr>
<tr>
<td>COMM 313 Introduction to Research Design (3)</td>
</tr>
<tr>
<td>COMM 410 Writing for Media Capstone (3)</td>
</tr>
<tr>
<td>COMM 415 Media Law &amp; Ethics (3)</td>
</tr>
<tr>
<td>COMM 498 Senior Seminar (3)</td>
</tr>
</tbody>
</table>

DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)
MAJOR: COMMUNICATION

EMPHASIS: BROADCAST JOURNALISM

1. Bachelor's Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-32 Hours), see Page 47.

3. Communication Core Requirements (24 Hours), see Page 92.

4. Broadcast Journalism Emphasis Requirements (29 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 2220</td>
<td>Intermediate Television Production (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 302</td>
<td>TV Field Reporting (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 304</td>
<td>Multi-media Storytelling (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 327</td>
<td>Broadcast Journalism (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 344A</td>
<td>Broadcast Practicum (2)</td>
<td></td>
</tr>
<tr>
<td>COMM 344B</td>
<td>Broadcast Practicum (2)</td>
<td></td>
</tr>
<tr>
<td>COMM 344C</td>
<td>Broadcast Practicum (2)</td>
<td></td>
</tr>
<tr>
<td>COMM 344D</td>
<td>Broadcast Practicum (2)</td>
<td></td>
</tr>
<tr>
<td>COMM 412</td>
<td>Photojournalism (3)</td>
<td></td>
</tr>
</tbody>
</table>

Students must also complete 6 hours of additional upper-division (300-/400-level) COMM credits (not including core and emphases courses).

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 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-32 Hours), see Page 47.

3. Communication Core Requirements (24 Hours), see Page 92.

4. Broadcast Production Emphasis Requirements (29 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 206</td>
<td>Graphics for Television/Video (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 2210</td>
<td>Audio Production (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 2220</td>
<td>Intermediate Television Production (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 311</td>
<td>Editing (3)</td>
<td></td>
</tr>
<tr>
<td>COMM 344A</td>
<td>Broadcast Practicum (2)</td>
<td></td>
</tr>
<tr>
<td>COMM 344B</td>
<td>Broadcast Practicum (2)</td>
<td></td>
</tr>
<tr>
<td>COMM 344C</td>
<td>Broadcast Practicum (2)</td>
<td></td>
</tr>
</tbody>
</table>
Students must also complete 6 hours of additional upper-division (300-/400-level) COMM credits (not including core and emphases courses).

5. Electives to complete a minimum of 120 hours
Note: This major does not require a minor.

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**DEGREE:** BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)

**MAJOR:** COMMUNICATION

**EMPHASIS:** PUBLIC RELATIONS

1. Bachelor's Degree Requirements, see Page 40.
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical courses will not be counted toward graduation requirements.

2. General Education Requirements (31-32 Hours), see Page 47

3. Communication Core Requirements (24 Hours), see Page 92

4. Journalism Emphasis Requirements (29 Hours)

   COMM 2230  Introduction to Digital Photography (3)
   COMM 304   Multi-media Storytelling (3)
   COMM 312   Copy Editing (3)
   COMM 360A  Journalism/PR Practicum (2)
   COMM 360B  Journalism/PR Practicum (2)
   COMM 360C  Journalism/PR Practicum (2)
   COMM 401   Editorial Writing (3)
   COMM 402   Feature Writing (3)
   COMM 412   Photojournalism (3)

   Students must also complete 5 hours of additional upper-division (300-/400-level) COMM credits (not including core and emphases courses).

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 (18 Hours)**

- COMM 1130  Public Speaking (3)
- COMM 300   Introduction to Communication Theory (3)
- COMM 334   Persuasive Communication (3)
- COMM 390   Rhetorical Theory (3)

Students must also complete 6 hours from the following courses: 380, 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 1140  Introduction to Media Writing (3)
- COMM 1150  Introduction to Mass Communication (3)
- COMM 304   Multi-media Storytelling (3)
- COMM 312   Copy Editing (3)
- COMM 402   Feature Writing (3)
MINOR: BROADCAST MEDIA

Note: Students earning a major in communication may not also minor in broadcast media.

Course Requirements (15 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1120</td>
<td>Beginning Television Production (3)</td>
</tr>
<tr>
<td>COMM 1150</td>
<td>Introduction to Mass Communication (3)</td>
</tr>
<tr>
<td>COMM 2210</td>
<td>Audio Production (3)</td>
</tr>
<tr>
<td>COMM 2220</td>
<td>Intermediate Television Production (3)</td>
</tr>
<tr>
<td>COMM 327</td>
<td>Broadcast Journalism (3)</td>
</tr>
</tbody>
</table>

Accelerated B.A./B.S. in Communication to M.A. in Communication Undergraduate/Graduate Degree Program

Qualified students who wish to pursue graduate study in the B.A./B.S. in Communication to M.A. in Communication may choose to participate in an accelerated program. Undergraduate students who are admitted into the graduate program as part of an accelerated plan may take up to 12 graduate hours during the last year of undergraduate coursework. These hours will apply to both undergraduate and graduate degrees. To participate, students should apply to the Graduate School during the semester in which they will complete 75 or more credit hours. Admission to the accelerated program requires that students meet graduate school admission requirements with a minimum GPA of 3.0, and will be based on a review of academic performance through the time of application. Once admitted, students may take up to 12 hours of graduate (500 level) courses during their senior year.

Students who have been admitted into the accelerated program for Communication may take the following courses to satisfy the requirement for emphasis, upper division electives in Communication or electives to complete the 120 hour minimum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 522/L</td>
<td>Directing for Television</td>
</tr>
<tr>
<td>COMM 531</td>
<td>Documentary Writing and Production</td>
</tr>
<tr>
<td>COMM 546</td>
<td>Feature Writing</td>
</tr>
<tr>
<td>COMM 554</td>
<td>Relational and Interpersonal Communication Behavior</td>
</tr>
<tr>
<td>COMM 575</td>
<td>Gender Communication</td>
</tr>
<tr>
<td>COMM 577</td>
<td>Family Communication</td>
</tr>
</tbody>
</table>

While in their senior year, students participating in the accelerated program must seek approval for registration from the graduate coordinator of counseling and the graduate dean. It should be noted that students making a grade of C in a graduate course will be allowed to use the course for undergraduate degree requirements but may not be able to use that course toward the graduate degree.
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 (NASM). 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 degree in music are required to pass an audition before admittance to any 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 56 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 198. Descriptions for MUS/MUSC courses begin on Page 195.

Students majoring in music education will complete the Teaching Degree General Education Requirements as found on Page 62 and the Professional Education Requirements listed on Page 65.

### Music Core Requirements (required for all majors for B.S., B.M., B.M.E. degrees) (26 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1270*</td>
<td>Literature of Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1310</td>
<td>Recital Attendance (NC) (must complete a total of four semesters of MUS 219)</td>
<td></td>
</tr>
<tr>
<td>MUSC 1160*</td>
<td>Music Theory I (3)</td>
<td></td>
</tr>
<tr>
<td>MUSC 1165</td>
<td>Music Theory II (3)</td>
<td></td>
</tr>
<tr>
<td>MUSC 1180</td>
<td>Elementary Harmony I (1)</td>
<td></td>
</tr>
<tr>
<td>MUSC 1185</td>
<td>Elementary Harmony II (1)</td>
<td></td>
</tr>
<tr>
<td>MUSC 306</td>
<td>Conducting I (1)</td>
<td></td>
</tr>
<tr>
<td>MUSC 333</td>
<td>History of Music I (3)</td>
<td></td>
</tr>
<tr>
<td>MUSC 334</td>
<td>History of Music II (3)</td>
<td></td>
</tr>
<tr>
<td>MUSC 341</td>
<td>Music Theory III (3)</td>
<td></td>
</tr>
<tr>
<td>MUSC 342</td>
<td>Music Theory IV (3)</td>
<td></td>
</tr>
<tr>
<td>MUSC 343</td>
<td>Aural Skills III (1)</td>
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<tr>
<td>MUSC 344</td>
<td>Aural Skills IV (1)</td>
<td></td>
</tr>
<tr>
<td>MUSC 412</td>
<td>Assessment (NC) (must complete a total of two semesters of MUS 412)</td>
<td></td>
</tr>
<tr>
<td>MUSC 419</td>
<td>Recital Attendance (NC) (must complete a total of three semesters of MUS 419)</td>
<td></td>
</tr>
</tbody>
</table>

* May also be used to satisfy a General Education Requirement

### DEGREE: BACHELOR OF SCIENCE (B.S.)
### MAJOR: MUSIC

1. Bachelor’s Degree Requirements, see Page 40.
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Music Core Requirements (26 Hours)
4. **Performance Courses (13 Hours)**
   - Applied Music (5 hours minimum) (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)**
   - MUSC 454 Senior Project (3) OR
   - MUSC 459 Internship in Music (3)

7. **Minor in a different field or a second major**
   - This major requires a minor. Suggested minors include: music technology (18 Hours), see Page 98; broadcast media (18 Hours), see Page 94; or music composition (20 Hours), see Page 98.

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

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**DEGREE:** BACHELOR OF MUSIC (B.M.)

**MAJOR:** MUSIC

**EMPHASIS:** PIANO PERFORMANCE

1. **Bachelor’s Degree Requirements, see Page 40.**
   - Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.**

3. **Music Core Requirements (26 Hours), see Page 95.**

4. **Emphasis Requirements (55 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 3 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)

   • 24 hours (minimum) major applied (private lessons), must include 9 hours of upper-division (400-level) instruction
   • Symphonic Band or Wind Symphony (7)

5. **Electives to complete a minimum of 120 hours**
   - 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 40.  
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-32 Hours), see Page 47.  
3. Music Core Requirements (26 Hours), see Page 95.  
4. Emphasis Requirements (64 Hours)  
   - **ENGL** 1410 Introduction to Literature (3)  
   - **FREN** 1110 French I (4)  
   - **FREN** 1120 French II (4)  
   - **MUS** 210 Voice (8 hours minimum)  
   - **MUS** 218 Fundamentals of Piano (1)  
   - **MUSC** 2360 Class Piano IV (2)  
   - **MUSC** 2293/463 Stagecraft for Singers (1, 1, 1, 1)  
   - **MUSC** 307 Junior Recital (1)  
   - **MUSC** 332 Functional Piano (1)  
   - **MUSC** 364 Language Diction II (2)  
   - **MUSC** 410 Vocal Literature I (2)  
   - **MUSC** 407 Senior Recital (1)  
   - **MUSC** 411A Conducting II (1)  
   - **MUSC** 481 Vocal Pedagogy (3)  
   - **MUED** 378 Teaching Elementary School Music (3)  
   - **MUED** 476 Teaching Secondary School Music (3)  
   - 7 hours minimum large choral ensemble (must enroll for a minimum of eight semesters).  

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: Instrumental (Winds/Percussion)  

### License: Grades K-12

1. Bachelor’s Degree Requirements, see Page 40.  
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (BLED 350). 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 (41–44 Hours), see Page 62.
3. Music Core Requirements (26 Hours), see Page 95.
4. Professional Education Course Requirements (27-36 Hours), see Page 65.
5. Emphasis Requirements (38 Hours)
   - MUSC 1250 Class Voice I (1)
   - MUSC 307 Junior Recital (1)
   - MUSC 362 Orchestration and Arranging (2)
   - MUSC 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)
   - 7 hours major applied (private lessons)
     (3 hours must be upper division)
   - 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 (1) hour minimum piano (completion of MUSC 2360)
6. This program requires about 137-149 hours
   Note: This major does not require a minor.

MINOR: MUSIC
   (FOR NON-MAJORS, NON-TEACHING MINOR ONLY)

Music Requirements (28 Hours)
   - MUSC 1270* Literature of Music (3)
   - MUSC 1160 Music Theory I (3)
   - MUSC 1165 Music Theory II (3)
   - MUSC 1180 Elementary Harmony I (1)
   - MUSC 1185 Elementary Harmony II (1)
   - 4 hours private lessons
   - 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.
   * May also be used to satisfy a General Education Requirement)

MINOR: FINE ARTS
   (FOR NON-MAJORS, NON-TEACHING MINOR ONLY)

Fine Arts Course Requirements (27 Hours)
   - MUSC 6 hours
   - ARTH/ ARTS 3 hours
   - THEA 3 hours
   - DANC 3 hours
Fine Arts Electives 12 hours

MINOR: PIANO

Piano Requirements (27-28 Hours)
   - MUSC 1270* Literature of Music (3)
   - MUS 220/420 Applied Music (Piano) (2)
   - MUSC 1160 Music Theory I (3)
   - MUSC 1165 Music Theory II (3)
   - MUSC 1180 Elementary Harmony I (1)
   - MUSC 1185 Elementary Harmony II (1)
   - MUSC 307 Junior Recital (1) OR 30-minute jury (NC)
   - MUSC 365 Piano Pedagogy I (3)
   - MUSC 366 Piano Pedagogy II (3)
   - MUSC 405 Collaborative Piano (2) OR
   - MUSC 471 Piano Literature I (2) OR
   - MUSC 472 Piano Literature II (2)
   * May also be used to satisfy a General Education Requirement)

MINOR: MUSIC TECHNOLOGY

Music Technology Requirements (18 Hours)
   1. Music Technology Core Requirements (12 Hours)
      - MUSC 2310 Sound and Music Technology (3)
      - MUSC 381 Sound Sequencing and Synthesis (3)
      - MUSC 382 Audio Production for Music (3)
      - MUS 270/470 Electronic Media (3)
   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 (23 Hours)
   - MUSC 2310 Sound and Music Technology (3)
   - MUS 220/420 Applied Music (Piano) (2)
   - MUSC 362 Orchestration and Arranging (2)
   - MUSC 381 Sound Sequencing and Synthesis (3)
   - MUSC 452 Form and Analysis (2)
   - MUSC 458 Composition (8) (four semesters of 2 credits each semester)
MUSC 454 Senior Project (3) OR
MUSC 459 Internship in Music (3)

Note: MUSC 381 fulfills 3 credit hours of academic music electives for the B.S. degree; MUSC 452 fulfills 2 credit hours of academic music electives of the B.S. degree; and MUSC 458 fulfills 5 credit hours of Applied Music required for the B.S. degree in Music.

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: PERFORMING ARTS/MUSIC
(23-25 HOURS)

LICENSURE: ELEMENTARY

Note: GPA of 2.75 is required in the endorsement area.
1. Music Core (11-12 Hours)
   MUSC 1270 Literature of Music (3)
   MUSC 1310 Recital Attendance (NC) (must complete two semesters)
   MUSC 1160 Music Theory I (3)
   MUSC 1180 Elementary Harmony I (1)
   • Two (2) hours voice
   • Completion of piano proficiency
   • (MUSC 2360 Class Piano IV (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:
   MUSC 119 Fundamentals of Guitar (1) (may be repeated for a total of 2 Hours)
   MUSC 1165 Music Theory II (3)
   MUSC 1185 Elementary Harmony II (1)
   MUSC 306* Conducting I (1)
   MUSC 332* Functional Piano (1)
   MUSC 333 History of Music I (3)
   MUSC 334 History of Music II (3)
   • large or small instrumental ensembles (1)
   (MUSC 269, 469, 2130, 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 2.75 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.

MUSIC ENSEMBLES (MUS)

Music Ensembles (I) Letter grades will be given for all ensembles. (May be repeated for credit.) 2000-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:
   Steel Band (I) (F, S)
   Percussion Ensemble (I) (F, S)
   Brass Ensemble (I) (F, S)
   Woodwinds (I) (F, S)
   Flute Choir (I) (F, S)
   Saxophone Ensemble (I) (F, S)
   Jazz Ensemble (I)
   (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-Majors

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
DEPARTMENT OF THEATRE AND DIGITAL FILMMAKING

Professors
Anne Beck
Jeff Elwell

Associate Professor
Jon Barr

Assistant Professor
Patrick McCreary
Rick Shepardson

Instructors
James O’Neil Rutland
Erin Wegleitner

THEATRE

Mission
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 THEA courses begin on Page 207.

DEGREE: BACHELOR OF ARTS (B.A.), OR BACHELOR OF SCIENCE (B.S.)

MAJOR: THEATRE

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 hours.), see Page [41]. 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 (31-32 Hours), see Page 47.

3. Theatre Required Courses (54 Hours)
   Interdisciplinary Foundations: choose two courses – one from ARTS and one from MUSC or FDMA as listed (6 Hours)
   ARTS 1240 Design I (3) OR
   ARTS 1520 Digital Media I (3) OR
   ARTS 1410 Introduction to Photography (3) AND
   FDMA 1620 Location Shooting (3) OR
   MUSC 1250 Class Voice I (3)
   Theatre Courses Requirements (42 Hours)
   FDMA 1140 Dramatic Analysis (3)
   THEA 1220 Beginning Acting (3) OR
   THEA 1210* Acting for Non-Majors (3)
   THEA 2420 Voice & Movement (3)
   THEA 2210 Acting for the Camera (3)
   THEA 2310 Stagecraft (3)
   THEA 301 Intermediate Acting (3)
   THEA 303 Directing Actors (3)
   THEA 313 Theatre History I (3)
   THEA 314 Theatre History II (3)
   THEA 324 Workshop in Playwriting (3)
   THEA 325 Style and Content in Production Design (3)
   THEA 330 Theatrical Performance and Production (1, 1, 1) (must be taken three semesters)
   THEA 402 Open Laboratory (3)
   THEA 410 The Business of Show Business (3)
   THEA 404 Acting for the Camera II (3)
   THEA 405 Technical Production (3)
   THEA 411 Children’s Theatre (3)
   THEA 412 Advanced Stage Directing (3)
   THEA 304 Theatrical Design (3)
   THEA 348 Stage Combat (3)
   THEA 321 Advanced Acting (3)
   THEA 404 Acting for the Camera II (3)
   THEA 304 Theatrical Design (3)
   THEA 330 Theatrical Performance and Production (1, 1, 1) (must be taken three semesters)
   THEA 402 Open Laboratory (3)
   THEA 404 Acting for the Camera II (3)
   THEA 405 Technical Production (3)
   THEA 411 Children’s Theatre (3)
   THEA 412 Advanced Stage Directing (3)

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)
   FDMA 1140 Dramatic Analysis (3)
   THEA 101 Beginning Acting (3) OR
   THEA 121 Acting for Non Majors (3)
   THEA 313 Theatre History I (3) OR
   THEA 314 Theatre History II (3)

Choose 2 of the following for 6 hours:
   THEA 2420 Voice and Movement (3)
   THEA 210 Acting for the Camera (3)
   THEA 2310 Stagecraft (3)
   THEA 301 Intermediate Acting (3)
   THEA 303 Directing Actors (3)
   THEA 313 Theatre History I (3)
   THEA 314 Theatre History II (3)
   THEA 324 Workshop in Playwriting (3)
   THEA 325 Style and Content in Production Design (3)
   THEA 330 Theatrical Performance and Production (1, 1, 1) (must be taken three semesters)
   THEA 402 Open Laboratory (3)
   THEA 404 Acting for the Camera II (3)
   THEA 405 Technical Production (3)
   THEA 411 Children’s Theatre (3)
   THEA 412 Advanced Stage Directing (3)
DIGITAL FILMMAKING

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 Digital Filmmaking 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 film. 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, our film program will continue to prepare students for success in the technological, economic and demographic realities of our region and the world beyond. Descriptions of FDMA courses begin on Page 170.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: DIGITAL FILMMAKING

1. Bachelor's Degree Requirements, see Page 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-32 Hours), see Page 47.

3. Digital Filmmaking Required Courses (58 Hours)
   ARTS 1240 Design I (3) OR
   ARTS 1520 Digital Media I (3) OR
   ARTS 1410 Introduction to Photography (3)
   FDMA 2110 Introduction to Film Studies (2)
   FDMA 2110L Introduction to Film Studies Lab (1)
   FDMA 1620 Location Shooting (3)
   FDMA 1140 Dramatic Analysis (3)
   FDMA 312 Designing the Shot (3) OR
   FDMA 313 Advanced Lighting for Digital Filmmaking (3)
   FDMA 320 Sound Design (3)
   FDMA 340 Writing the Screenplay (3)
   FDMA 350 Directing for the Camera (3)
   FDMA 360 Postproduction (3)
   FDMA 375 Preproduction (3)
   FDMA 409 Film History (3)
   FDMA 410 DFM Forum (NC, two semesters)
   FDMA 450 Senior Portfolio (1)
   FDMA 475 Preproduction (3)
   FDMA 476 Production (3)
   MUSC 2310 Sound and Music Technology (3)
   THEA 1220 Beginning Acting (3) OR
   THEA 1210 Acting for Non-Majors (3)
   THEA 2210 Acting for the Camera (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)
   FDMA 2110 Introduction to Film Studies (2)
   FDMA 2110L Introduction to Film Studies Lab (1)
   FDMA 1620 Location Shooting (3)
   FDMA 1140 Dramatic Analysis (3)
   FDMA 312 Designing the Shot (3) OR
   FDMA 313 Advanced Lighting for Digital Filmmaking (3)
   FDMA 314 Production Sound for Digital Filmmaking (3)
   FDMA 377 Experimental Film (3)
   FDMA 378 Creating the Web Series (3)
   FDMA 320 Sound Design (3)
   FDMA 340 Writing the Screenplay (3)
   FDMA 360 Postproduction (3)
   FDMA 375 Preproduction (3)

Choose one of the following (3 Hours):
   FDMA 312 Designing the Shot (3)
   FDMA 313 Advanced Lighting for Digital Filmmaking (3)
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. The college stresses a multicultural approach to learning. Instruction is enhanced through the use of the Gennaro Natural History Museum, Blackwater Draw National Historic Landmark and Blackwater Draw Museum, Miles Mineral and Roosevelt County Museum; the Speech and Hearing Rehabilitation and Outreach Center; the Language Laboratory; the Writing Center and the Computer Center and special collections available at the university’s library (Golden Student Success 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 offers 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. These options are only available to students who are pursuing the B.A.A.S. degree. Additional information and a description of the concentrations can be found starting on Page 81.

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Chart continues on next page
### College of Liberal Arts and Sciences

#### Programs and Degrees Offered

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**Department of Mathematical Sciences**

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**Department of Physical Sciences**

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**Department of Psychology and Political Science**

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**Department of Language and Literature**

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**Department of Mathematical Sciences**

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**Department of Mathematical Sciences**

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**Department of Physical Sciences**

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**Department of Language and Literature**

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</table>
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 Collection, 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, bioarchaeology, forensic anthropology, historic preservation and cultural resource management. Descriptions for ANTH courses begin on Page 152.

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, 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 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.

3. Anthropology Course Requirements (38 Hours)
   ANTH 1140 Introduction to Cultural Anthropology (3)
   ANTH 1120C Introduction to Archaeology (4)
   ANTH 1135/L Introduction to Biological Anthropology (4)
   ANTH 365 Archaeology of North America (3)
   ANTH 494 Analytic Techniques in Archaeology (3)
   ANTH 495 Fundamentals of Archaeological Theory (3)

   Select one of the following options:
   ANTH 333 Anthropology and the Developing World (3)
   ANTH 340 Native Cultures of North America (3)
   ANTH 432 Native Americans of the Southwest (3)

   Students must also complete (15 Hours) of ANTH electives, 9 of which must be upper division (300-/400-level).

4. Required Supporting Classes (18-23 Hours)
   Select one of the following writing options (3 Hours):
   ENGL 2210 Professional & Technical Communication (3)
   ENGL 305 Report Writing (3)
Select one of the following statistics options (3-4 Hours):

- SOCI 434 Social Research Methods (3)
- MATH 1350 Introduction to Statistics (4)

Select four of the following supporting options (12-16 Hours), at least two of which must be upper division (300/400 level):

- COMM 2230 Introduction to Digital Photography (3)
- CS 123 Computer Science I (4)
- FDMA 1525 Location Shooting (3)
- FDMA 1620 Introduction to Emergency Management (3)
- ENGL 401 Creative Non-Fiction (3)
- ENGL 413 Literature of the Southwest (3)
- GEOL 1110/L Physical Geology (4)
- GEOL 304 Geomorphology (3)
- GEOL 311/L Stratigraphy and Sedimentation (4)
- HIST 2210 Survey of New Mexico History (3)
- HIST 306 Survey of the Non-Western World (3)
- HIST 321 Greece and Rome in the Ancient World (3)
- HIST 377 Latin American Experience (3)
- HIST 432 The American West (3)
- SOCI 302 Racial and Ethnic Relations (3)
- STAT 313 Statistical Methods II (3)

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: BIOLOGICAL ANTHROPOLOGY

Biological Anthropology is the study of the ways in which human cultural behavior interacts with human biology. As such, it is considered a "biosocial science," contributing to the understanding of how our anatomy and physiology influence — and are influenced by — our social and cultural practices, both past and present. Biological anthropology embraces the study of the broad range of behavioral and physical diversity exhibited within our species, of the non-human primates to which our species is most closely genetically related, of our development as a species, and of how the human physical body can help us to interpret and predict cultural affinity.

The biological anthropology area of emphasis offers coursework focused on developing the methods and analytical skills that allow us to interpret the human body as a record of human behavior along with coursework oriented toward effectively analyzing and communicating results. Career opportunities in biological anthropology include collections management in museums, osteological analysis in cultural resource management, and forensic anthropology, as well as field and academic research. In addition, students will be introduced to the ethical challenges and obligations of working with human remains and/or living subjects and to the responsibility inherent in interpreting the breadth of human diversity.

1. Bachelor's Degree Requirements, see Page 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.

3. Anthropology Course Requirements (45 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ANTH 1115</td>
<td>Introduction to Anthropology (3)</td>
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<tr>
<td>ANTH 1190C</td>
<td>Survey of Forensic Science (4)</td>
</tr>
<tr>
<td>ANTH 1120C</td>
<td>Introduction to Archaeology (4)</td>
</tr>
<tr>
<td>ANTH 1135/L</td>
<td>Introduction to Biological Anthropology (4)</td>
</tr>
<tr>
<td>ANTH 2130</td>
<td>Introduction to Forensic Anthropology (3)</td>
</tr>
<tr>
<td>ANTH 310</td>
<td>Origins of Human Diversity (3)</td>
</tr>
<tr>
<td>ANTH 404</td>
<td>Human Osteology (3)</td>
</tr>
<tr>
<td>ANTH 410</td>
<td>Geographic Information Systems for Anthropology (3)</td>
</tr>
<tr>
<td>ANTH 411/L</td>
<td>Advanced Skeletal Analysis (3)</td>
</tr>
<tr>
<td>ANTH 416/L</td>
<td>Applied Microscopy (3)</td>
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</tbody>
</table>

Students must also complete (12 Hours) of ANTH electives, 9 of which must be upper division (300/400 level).

4. Required Supporting Classes (14-15 Hours)

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOL 2110/L</td>
<td>Principles of Biology: Cellular and Molecular (4)</td>
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<tr>
<td>BIOL 2210/L</td>
<td>Human Anatomy and Physiology I (4)</td>
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Select one of the following writing options (3 Hours):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGL 305</td>
<td>Report Writing (3)</td>
</tr>
<tr>
<td>ENGL 2210</td>
<td>Professional and Technical Communication (3)</td>
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Select one of the following statistics options (3-4 Hours):

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOCI 434</td>
<td>Social Research Methods (3)</td>
</tr>
<tr>
<td>MATH 1350</td>
<td>Introduction to Statistics or Statistical Methods I (4)</td>
</tr>
</tbody>
</table>
5. Electives to complete a minimum of 120 hours
   Other recommended supporting options that may be selected in consultation with your adviser include:

   BIOL 2610/L Principles of Biology: Biodiversity, Ecology, and Evolution (4)
   BIOL 2225/L Human Anatomy and Physiology II (4)
   BIOL 417 Environment, Resources and Policy (3)
   BIOL 460 Landscape Ecology and GIS (3)
   BIOL 301/L General Entomology (4)

   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 one specialty area that complements the discipline of cultural anthropology. The courses in this emphasis draw on social sciences, humanities, biology and media arts.

Training in cultural anthropology is applicable to a variety of careers including jobs in museums and other educational institutions, non-profit organizations, government agencies, the arts, tourism, advertising, health and human services, and journalism and mass media as well as university-based teaching and research. Students in this emphasis will become more socially aware of local and global problems and more tolerant of and curious about others. They will also develop skills that will prepare them to think and write critically about an increasingly diverse and globalized world and to communicate effectively across all audiences (different cultures, classes, jobs, nations, genders, etc.).

To help students work with members of other cultures, a B.A. with demonstrated proficiency in Spanish (SPAN 2110 and 2120; or SPAN 2220) is strongly recommended for this emphasis area. Spanish is the second most common language spoken in the United States today and is also very common in countries around the world, thus making it an excellent choice for a second language.

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.

3. Anthropology Course Requirements (35 Hours)
   ANTH 1140 Introduction to Cultural Anthropology (3)
   ANTH 1120C/L Introduction to Archaeology (4)
   ANTH 1135/L Introduction to 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 (18-23 Hours)
   Select one course from the following writing options (3 Hours):
   COMM 1140 Introduction to Media Writing (3)
   ENGL 305 Report Writing (3)
   ENGL 401 Creative Non-Fiction (3)
   Select one of the following three technical areas and complete five courses within it (15-20 Hours), at least three of which must be upper division (300-/400-level).
   a. Graphic Design
      ARTS 1520 Digital Media I (3)
      ARTS 2120 Graphic Design I (3)
      ART 326 Web Design I (3)
      ART 327 Web Design II (3)
      ART 340 Publication Design (3)
      BCIS 1110 Introduction to Information Studies (3)
   b. Environment and Conservation
      BIOL 1650/L Introduction to Wildlife and Fisheries (4)
      BIOL 2110/L Principles of Biology: Cellular and Molecular (4)
      BIOL 2610/L Principles of Biology: Biodiversity, Ecology, & Evolution (4)
      BIOL 303/L General Ecology (4)
      BIOL 405/L Wildlife Management and Conservation (4)
      BIOL 417 Environment, Resources and Policy (3)
   c. Cultural Studies
      CJUS 2320 Gangs in American Society (3)
      ENGL 379 Globalization/Diversity and Cultural Studies (3)
      ENGL 447 Literacy and Cultural Studies (3)
      FCST 348 Food and Cultures (3)
      RELG 402 World’s Living Religions (3)
      SOCI 2310 Contemporary Social Issues (3)
      SOCI 302 Racial and Ethnic Relations (3)
      SOCI 303 Race, Ethnicity and Gender (3)
      SOCI 320 Social and Cultural Change (3)
      SOCI 416 Sociology of the Media (3)
      SOCI 434 Social Research Methods (3)
      SWK 426 Human Diversity and Multi-Culturalism in Social Work (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 1140 Introduction to Cultural Anthropology (3)
ANTH 1120C Introduction to Archaeology (4)
ANTH 1135/L Introduction to Biological Anthropology (4)

Students must also complete 9 hours of ANTH electives, 6 hours of which must be upper division (300-/400-level).

GEOGRAPHY

At ENMU, geography courses are offered for general education and those majors requiring or recommending their use. Descriptions for GEOG courses begin on Page 184.

BACHELOR OF SCIENCE/MASTER OF SCIENCE (B.S./M.S.) PLAN

Qualified students who wish to pursue graduate study in Anthropology may choose to participate in an accelerated program. Undergraduate students who are admitted into the graduate program as part of an accelerated plan may take up to 12 graduate hours during the last year of undergraduate coursework. These hours will apply to both undergraduate and graduate degrees.

To participate, students should apply to the Graduate School during the semester in which they will complete 90 credit hours. Admission to the accelerated program requires that students meet graduate school admission requirements with a minimum GPA of 3.0, and will be based on a review of academic performance through the time of application.

Once admitted, students may take up to 9 hours of graduate (500 level) courses during their senior year. The specific courses that will count as shared credit include:

Fall Semester
- ANTH 550
- ANTH 532 or 561

Spring Semester
- ANTH 542 or 541
- ANTH 514 or 520

These graduate courses will count as 12 hours of upper-division electives for the undergraduate degree.

While in their senior year, students participating in the accelerated program must seek approval for registration from the program's graduate coordinator and graduate dean.

It should be noted that students making a grade of C in a graduate course will be allowed to use the course for undergraduate degree requirements but may not be able to use that course toward the graduate degree.
Students may major in biology in a broad sense (No emphasis, selecting course offerings in consultation with their adviser), or they may major in biology with an emphasis in ecology, evolution and organismal biology (EEOB); microbiology, molecular biology and biotechnology (MMBB); bioinformatics; 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 129 for allied health preparatory courses for details. Students who want to teach secondary school science in New Mexico may obtain a Bachelor of Science in Biology with a secondary science licensure. Students should check Teacher Education Requirements and secondary science licensure requirements beginning on Page 56. Descriptions of BIOL courses begin on Page 157.

### Biology Core Course Requirements (26 Hours)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 2110/L</td>
<td>Principles of General Biology: Cellular and Molecular Biology (4)</td>
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<tr>
<td>BIOL 2610/L</td>
<td>Principles of General Biology: Biodiversity, Ecology &amp; Evolution (4)</td>
</tr>
<tr>
<td>BIOL 2630</td>
<td>General Botany (3)</td>
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<tr>
<td>BIOL 2120</td>
<td>Cellular and Molecular Biology (3)</td>
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<td>BIOL 303</td>
<td>General Ecology (3)</td>
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<tr>
<td>BIOL 304/L</td>
<td>Genetics (4)</td>
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<tr>
<td>BIOL 306/L</td>
<td>Microbiology (4)</td>
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<tr>
<td>BIOL 492</td>
<td>Undergraduate Seminar and Assessment (I) (Taken in the final semester)</td>
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### Required courses in other areas (31-32 Hours)

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<th>Course Code</th>
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<tbody>
<tr>
<td>CHEM 1215/L</td>
<td>General Chemistry I for STEM Majors (4)</td>
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<tr>
<td>CHEM 1225/L</td>
<td>General Chemistry II for STEM Majors (4)</td>
</tr>
<tr>
<td>CHEM 341/L</td>
<td>Organic Chemistry I (4)</td>
</tr>
<tr>
<td>PHYS 1230/L</td>
<td>Algebra-based Physics I (4)</td>
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<tr>
<td>PHYS 1240/L</td>
<td>Algebra-based Physics II (4)</td>
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<tr>
<td>MATH 1220</td>
<td>College Algebra (4)</td>
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<tr>
<td>MATH 1510</td>
<td>Calculus I (4)* OR</td>
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<tr>
<td>MATH 1430</td>
<td>Applications of Calculus I (3)</td>
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### Electives to complete a minimum of 120 hours

Note: This major does not require a minor.
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), see Page 108.
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 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.
3. Biology Core Requirements (26 Hours), see Page 108.
4. MMBB Emphasis Requirements (20-22 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)

   Students must also complete 3 to 4 upper-division (300-/400-level) credit hours in a specialty course. 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 108.
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 2110/L Principles of Biology: Cellular and Molecular Biology (4)
BIOL 2610/L Principles of Biology: Biodiversity, Ecology & Evolution (4)
BIOL 2120 Cellular and Molecular Biology (3) OR
BIOL 306/L 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 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47. Important: Students who 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 adviser for a full list of General Education courses that will count toward certification.

3. Biology Course Requirements (52 Hours)
   BIOL 1650/L Wildlife Biology (4)
   BIOL 2110/L Principles of Biology: Cellular and Molecular Biology (4)
   BIOL 2630/L General Botany (4)
   BIOL 304/L Genetics (4)
   BIOL 404 Fisheries Management and Conservation (3)
   BIOL 405 Wildlife Management and Conservation (3)
   BIOL 417 Environment, Resources and Policy (3)
   BIOL 430 Limnology (3)
   BIOL 436/L Ichthyology (4)
   BIOL 460 Landscape Ecology and GIS (3)
   BIOL 492 Undergraduate Seminar and Assessment (1)

   One of the following vertebrate animal courses:
   BIOL 411/L Herpetology (4)
   BIOL 431/L Mammalogy (4)*
   BIOL 442/L Ornithology (4)

   *Note: Students seeking certification by The Wildlife Society will require BIOL 431/L Mammalogy.

   Select one of the following specialty courses (4 Hours):
   BIOL 300/L Invertebrate Zoology (4)
   BIOL 301/L General Entomology (4)
   BIOL 307/L Vertebrate Zoology (4)
   BIOL 420/L Plant Structure and Function (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
      SOIL 2110 Introduction to Soil Science (3)
      Geology
      GEOL 1115/L Earth Resources (4)
      GEOL 1110/L Physical Geology (4)
      Chemistry
      CHEM 1215/L General Chemistry I for STEM Majors (4)
      CHEM 1225/L General Chemistry II for STEM Majors (4)
      CHEM 341/L Organic Chemistry I (4)
      CHEM 342/L Organic Chemistry II (4)
      Physics
      ASTR 1115/L Introduction to Astronomy (4)
      PHYS 1230/L Algebra-based Physics I (4)
      PHYS 1240/L Algebra-based Physics II (4)

   B. QUANTITATIVE SCIENCES (11 Hours)
      MATH 1220 College Algebra (4)*
      MATH 1350 Introduction to Statistics (4)*

      Select one of the following (3 Hours):
      MATH 1430 Applications of Calculus (3)*
      STAT 313 Statistical Methods II (3)

      * May also meet General Education Requirements.

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 1650/L Wildlife Biology (4)
   BIOL 2110/L Principles of Biology I: Cellular and Molecular Biology (4)
   BIOL 303/L General Ecology (4)
   BIOL 304/L Genetics (4)

   Select one of the following (3 Hours):
   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 40
   Note: Students must successfully complete FYEX 1110 and an institutional Diversity/Global requirement (BLED 350). Licensure candidates meet the Diversity/Global upper-division Requirement with coursework taken as part of their Professional Education requirements. 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 (43 Hours), see Page 62.

3. Biology Requirements (20 Hours)
   BIOL 2110/L Principles of Biology: Cellular and Molecular Biology (4)
   BIOL 2610/L Principles of Biology: Biodiversity, Ecology, and Evolution (4)
   BIOL 305 Evolution & Systematics (3)
   BIOL 407 Teaching Methods in Science (4)
   One course and lab from:
   BIOL 303/L General Ecology (4) OR
   BIOL 304/L Genetics (4) OR
   BIOL 306/L Microbiology (4)
   BIOL 492 Undergraduate Seminar & Assessment (1)

4. Required courses in other areas (31-32 Hours)
   CHEM 1215/L General Chemistry I for STEM Majors (4)
   CHEM 1225/L General Chemistry II for STEM Majors (4)
   GEOL 1110/L Physical Geology (4)
   PHYS 1230/L Algebra-based Physics I (4)
   PHYS 1240/L Algebra-based Physics II (4)
   MATH 1220 College Algebra (4)
   MATH 1430 Introduction to Statistics (3)
   MATH 2110 Calculus I (4)
   MATH 3100 Introduction to Statistics (3)

   Note: These courses may be also be used to satisfy Teacher Education General Education categories in science and mathematics.

5. Professional Education Requirements (31-40 Hours), see Page 65.

6. This program requires about 125-135 hours.
   Note: This major does not require a minor.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: BIOINFORMATICS

Bioinformatics is an interdisciplinary field of biology, chemistry and computer science that uses software tools to analyze genomic and proteomic data. With the evolution of sophisticated computational tools, high-throughput sequencing of genomic and proteomic data has become essential in biology and chemistry. Applications of bioinformatics include determining the cause of certain diseases, understanding the evolution of organisms, engineering new drugs and bioengineering.

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Biology Core Requirements (26 Hours), see Page 108.

4. Bioinformatics Requirements (41 Hours)
   BIOL 425/L Molecular Biology (4)
   CHEM 1215/L General Chemistry I for STEM Majors (4)
   CHEM 401/L Biochemical Methods (2)
   CHEM 452 Biochemistry (3)
   CS 120 Introduction to Computer Programming (3)
   CS 123 Computer Science I (4)
   MATH 1220 College Algebra (4)
   PHYS 1230/L Algebra-based Physics I (4)
   MATH 1350 Introduction to Statistics (4)
   STAT 313 Statistical Methods II (3)
   STAT 400 Data Science (3)
   BIOL 435 Bioinformatics (3)

5. Electives to complete a minimum of 120 hours
   Note: This major does not require a minor.

MINOR: BIOINFORMATICS

Note: Biology, chemistry or computer sciences will take fewer than 27 hours just for the minor since some courses count both for the major and minor. Students who earn a B.S. in bioinformatics may not also minor in bioinformatics.

Bioinformatics Requirements (27 Hours)
   BIOL 2110/L Principles of Biology: Cellular and Molecular Biology (4)
   CS 120 Introduction to Computer Programming (3)
   MATH 1350 Introduction to Statistics (4)
   STAT 313 Statistical Methods II (3)
   STAT 400 Data Science (3)
   BIOL 304/L Genetics (4)
   BIOL 435 Bioinformatics (3)
   CHEM 452 Biochemistry (3)
Bachelor of Science/Master of Science (B.S./M.S.) Plan

Qualified students who wish to pursue graduate study in Biology or Wildlife & Fisheries Science may choose to participate in an accelerated program. Undergraduate students who are admitted into the graduate program as part of an accelerated plan may take up to 12 graduate hours during the last year of undergraduate coursework. These hours will apply to both undergraduate and graduate degrees.

To participate, students should apply to the Graduate School during the semester in which they will complete 90 credit hours. Admission to the accelerated program requires that students meet graduate school admission requirements with a minimum GPA of 3.0, and will be based on a review of academic performance through the time of application.

Additional requirements:
1. Submit GRE General Test and/or GRE Biology Subject Test scores to the ENMU Graduate School.
2. Submit a statement of research interest(s) to the Graduate School.
3. Submit at least two letters of recommendation to the Graduate School.
4. Be approved by the graduate faculty in the Department of Biology. Students lacking sufficient background in either science or statistics may be admitted with the stipulation that leveling courses will be completed in addition to degree requirements.

Once admitted, students may take up to 12 hours of graduate (500 level) courses during their senior year. The specific courses that will count as shared credit include:

**Fall Semester**
- BIOL 508 Pedagogy and Professional Development (1)
- BIOL 513 Conservation Biology (3)
- BIOL 516 Environment, Resources & Policy (3)
- BIOL 582 Biological Literature

**Spring Semester**
- BIOL 501 Concepts in Life Sciences (3)
- BIOL 592 Research Presentation in Biology (3)

Any 400/500-level BIOL course (e.g. BIOL 409/509 Microbial Physiology: undergraduate students in this plan would take the 500-level course)

While in their senior year, students participating in the accelerated program must seek approval for registration from the program's graduate coordinator and graduate dean.

It should be noted that students making a grade of C in a graduate course will be allowed to use the course for undergraduate degree requirements but may not be able to use that course toward the graduate degree.
DEPARTMENT OF HEALTH AND HUMAN SERVICES

COMMUNICATIVE DISORDERS

Professors
Suzanne Swift
Linda Weems

Associate Professor
Adrienne Bratcher

Assistant Professors
Karen Copple
Rachel Lingnau

Instructors
Nicole Bougie
Lori Hancock
Jay Martin
Erin Sherman
Dwayne Wilkerson

Clinical Supervisor
Laura Bucknell

The Bachelor of Science degree 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 across the lifespan and are provided in a wide range of settings (schools, clinics, hospitals, rehabilitation centers, private practice, state agencies, etc.).

The Bachelor of Science 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 162.

Program Outcomes/Competencies

ENMU CDIS graduates will:

• 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 40.
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Communicative Disorders Course Requirements (39 Hours)
CDIS 300 Speech-Language-Hearing Anatomy and Physiology (3)
CDIS 301 Survey of Communicative Disorders (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 (2)
CDIS 441L Preclinical Observation Laboratory (1)
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 Clinical
Practice minor. This minor is designed to prepare students for graduate school through exposure to advanced clinical concepts and research. Students interested in working with bilingual clients should minor in Clinical Practice (Bilingual).

5. Electives to complete a minimum of 120 hours  
   Note: Courses taken as part of the minor will not count as electives. Students should meet with their adviser each semester to choose these electives carefully.

   **Recommended electives include:**
   - SIGN 1110: American Sign Language I (3)
   - SIGN 1120: American Sign Language II (3)
   - CDIS 445: Speech-Language Practicum (1)
   - SWK 345: Working with Aging Populations (3)
   - PSYC 2120: Human Growth and Development (3)
   - PSYC 2520: Research Methods and Statistics in Psychology (4)

Certification requirements for credentialed speech-language pathologists requires coursework in the biological sciences, physical sciences, social/behavioral sciences, and statistics. It is strongly recommended that CDIS majors complete these requirements during their undergraduate matriculation by taking the following courses.

**Biological Sciences:** Biology  
- BIOL 1110/L: General Biology (4)

**Physical Sciences:** Physics OR Chemistry  
- PHYS 1115/L: Survey of Physics (4)
- CHEM 1110/L: Chemistry in our Community (4)

**Social/Behavioral Sciences:** Psychology OR Sociology  
- PSYC 1110: Introduction to Psychology (3)
- SOCI 1110: Introduction to Sociology (3)

**A stand-alone course in Statistics:**  
- MATH 1350: Introduction to Statistics (4)

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### MINOR: CLINICAL PRACTICE

**Requirements (21-22 Hours)**
- CDIS 455: Research and Evidence Based Practice (3)

**Elective I – Select 6 hours from following courses:**
- CDIS 323: Multicultural Issues in Communication Disorders (3)
- CDIS 324: Literacy Development and Disorders (3)
- CDIS 433: Medical Concepts for Communicative Disorders (3)

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### Elective II – Select 6 hours from following courses:
- CDIS 350: Survey of Autism and Augmentative Communication (3)
- CDIS 473: Survey of Swallowing, Motor Speech, and Aphasia (3)
- CDIS 478: Professional Writing in Communication Disorders (3)

**Elective III – Select 6 hours from following courses:**
- CDIS 442: Telepractice (1)
- CDIS 488: Seminar in Speech Language Pathology (2)

**Note:** CDIS 442 and CDIS 488 should be taken concurrently for three credits.

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### MINOR: CLINICAL PRACTICE (BILINGUAL)

**Requirements (33-39 Hours)**
This minor may require summer coursework.

**CDIS Requirements (21-22 Hours)**
- CDIS 455: Research and Evidence Based Practice (3)
Elective I – Select 6 hours from following courses:
CDIS 323 Multicultural Issues in Communication Disorders (3)
CDIS 324 Literacy Development and Disorders (3)
CDIS 433 Medical Concepts for Communicative Disorders (3)

Elective II – Select 6 hours from following courses:
CDIS 350 Survey of Autism and Augmentative and Alternative Communication (3)
CDIS 473 Survey of Swallowing, Motor Speech, and Aphasia (3)
CDIS 478 Professional Writing in Communication Disorders (3)

Elective III – Select 6 hours from following courses:
CDIS 353 Survey of Voice and Fluency (3)
CDIS 480 Case Studies in Communication Disorders (3)
CDIS 442 Telepractice (1)
CDIS 488 Seminar in Speech Language Pathology (2)

Note: CDIS 442 and CDIS 488 should be taken concurrently for three credits

One of the following options for Spanish language is required:
SPAN requirements: Non-Native Speakers (17-20 Hours):
SPAN 1410* Spanish I (4)
SPAN 1420* Spanish II (4)
SPAN 2110 Spanish III (3)
SPAN 2120 Spanish IV (3)
SPAN 330** Grammar (3)

Optional (recommended):
SPAN 310 Spanish for Professional Personnel (3)

* 1410 and 1420 are required of any student who has not already taken the equivalent of Spanish I or Span II (as dual-credit, transfer credit, etc.).

** May be taken concurrently with SPAN 2120.

OR
SPAN requirements: Students with the equivalent one year of previous college-level Spanish (12 Hours):
SPAN 2110 Spanish III (3)
SPAN 2120 Spanish IV (3)
SPAN 330* Grammar (3)
SPAN 310 Spanish for Professional Personnel (3)

** May be taken concurrently with SPAN 2120.

OR
SPAN requirements: Heritage Speakers (12 Hours):
SPAN 2210 Spanish for Heritage Speakers III (3)
SPAN 2220 Spanish for Heritage Speakers IV (3)
SPAN 330* Grammar (3)
SPAN 310 Spanish for Professional Personnel (3)

** May be taken concurrently with SPAN 2220

MINOR: COMMUNICATIVE DISORDERS

Note: Students who major in CDIS may not minor in CDIS.

Communicative Disorders Requirements (15 Hours)
SIGN 1110 American Sign Language I (3)
CDIS 301 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 adviser 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 180. All grades earned in the primary and EMGT concentration areas must be a grade of “C” or higher. 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 adviser 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

1. Bachelor’s Degree Requirements, see Page 45
   Note: The B.A.A.S. degree requires a minimum of 18 hours of upper-division courses, including a Diversity/Global upper-division requirement. Developmental courses will not be counted toward graduation requirements.

2. General Education Requirements (31-33 Hours), see Page 47.

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)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMGT 302</td>
<td>Introduction to Emergency Management (3)</td>
</tr>
<tr>
<td>EMGT 303</td>
<td>Emergency Services Administration and Management (3)</td>
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<tr>
<td>EMGT 304</td>
<td>Personnel Management (3)</td>
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<tr>
<td>EMGT 305</td>
<td>Applications of Fire Research (3)</td>
</tr>
<tr>
<td>EMGT 306</td>
<td>Fire Prevention Organization and Management (3)</td>
</tr>
<tr>
<td>EMGT 330</td>
<td>EMS Operations (3)</td>
</tr>
<tr>
<td>EMGT 402</td>
<td>Legal, Political and Regulatory Issues (3)</td>
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<tr>
<td>EMGT 403</td>
<td>Community Risk Reduction for Fire and Emergency Services (3)</td>
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<tr>
<td>EMGT 475</td>
<td>Capstone in Emergency Management (3)</td>
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</tbody>
</table>

And one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>EMGT 401</td>
<td>Homeland Security (3)</td>
</tr>
<tr>
<td>EMGT 405</td>
<td>Public Health Emergencies (3)</td>
</tr>
<tr>
<td>EMGT</td>
<td>Topics in Emergency Management (3)</td>
</tr>
</tbody>
</table>

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 two purposes: Students taking 21 credits as specified below may use their EMGT courses as a minor.

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

1. Bachelor’s Degree Requirements, see Page 45.
   Note: Students must successfully complete FYEX 1110. The B.A.A.S. degree requires a minimum of 18 hours of upper-division courses, including a Diversity/Global upper-division requirement. Developmental courses will not be counted toward graduation requirements.

2. General Education Requirements (31-33 Hours), see Page 47.

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)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>EMGT 302</td>
<td>Introduction to Emergency Management</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 303</td>
<td>Emergency Services Administration and Management</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 310</td>
<td>Disaster Response</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 312</td>
<td>Disaster Recovery</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 400</td>
<td>Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 402</td>
<td>Legal, Political and Regulatory Issues</td>
<td>3</td>
</tr>
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<td>EMGT 403</td>
<td>Community Risk Reduction for Fire and Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 410</td>
<td>Hazard Mitigation</td>
<td>3</td>
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<td>Public Health Emergencies</td>
<td>3</td>
</tr>
<tr>
<td>EMGT 493</td>
<td>Topics in Emergency Management</td>
<td>3</td>
</tr>
</tbody>
</table>

5. Electives to complete a minimum of 120 hours

Note: This major does not require a minor.

MINOR 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. All credits must be completed with a grade of "C" or higher.

The minor in emergency management requires completion of the following courses:

<table>
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</tr>
</tbody>
</table>

NURSING

Instructors
Kelly De La Rosa
Judith Piepkorn
Ruth Young

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 nursing care. The nursing faculty also values the metaparadigm of nursing through the four domains 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, environmental, behavioral and moral influences.

Environment – The totality of an interpersonal environment (physical, geographical and socio-cultural) situation or event, with related experiences that affect interpretive meanings, which guide human expressions and decisions.
**Nursing** – An art and a science, nursing is a health profession through which the application of theory, knowledge, and reflection shapes the attitude, intellectual competencies and technical skills of the nurse to refine the ability to help people meet their health care needs, whether 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. Faculty members are responsible for doing this through teaching, service and scholarship and by collaborating with health care professionals and consumers of health care. A constituent of Eastern New Mexico University, the nursing program shares the University’s emphasis on scholarship, cultural enrichment, and professional service.

**Program Student Learning Outcomes and Competencies**

**ENMU B.S.N. graduates will:**

Accept personal accountability for ethical and expert nursing practice, as well as for continuing professional and personal development.

Base clinical practice on methods of scientific inquiry and evidence-based practice to meet the client’s need for increasingly complex health care in various settings.

Apply concepts from nursing theory, research, cultural competencies, the sciences, and the humanities to assess and meet the health needs of individuals, families, and communities.

Collaborate with clients, communities, and other health care professionals to plan and deliver holistic, patient-centered care.

Communicate and manage knowledge effectively, using contemporary information technology to integrate contextual nursing principles into nursing practice.

**Program Accreditation**

The B.S.N. Completion Program at ENMU is accredited by 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

**Admission Application submitted to B.S.N. Completion Program**

Students must transfer, from their associate or diploma nursing program, a minimum of 30 credit hours in the core areas of medical-surgical, pediatric, obstetric and psychiatric 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. Completion Program is designed to be a 16-month course of professional study, for full-time students who have completed all General Education Requirements of the BSN degree. Students wishing to enter the program are 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 credit hours per semester), may extend their matriculation beyond 16 months. As the B.S.N. Completion Program 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 16 months in the nursing program at ENMU prior to achieving their B.S.N. degree. Students are also advised that B.S.N. classes are online only and delivered using Internet technologies. Although technological assistance is typically available, this model will require a certain degree of technological proficiency with computers and the Internet.

Practicum coursework may require a small degree of travel and/or completion of course requirements during RN working/shift hours. The B.S.N. Completion Program is conducted on-line, and students are not mandated to come to the ENMU campus to fulfill program or course requirements.

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 the 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. Completion Program may initiate their course of study in the fall, spring, or summer semester. Courses are 8-weeks in length, so students can also be admitted in the second half of the fall or spring semester. The ENMU B.S.N. Completion Program is a year-round program. Students in the B.S.N. completion program must follow all

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**Admission**

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:

- Active RN licensure within the United States;
- 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 submitted to the University;
policies and procedures as outlined in the B.S.N. Student Handbook, available at enmu.edu/BSN Student Handbook

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 of the final 60 hours must be taken at ENMU-Portales. 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 16 months. 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, per University policy.

Prior to enrolling in practicum courses (NURS 415L and 425L), students must refer to the B.S.N. Completion Program student handbook for additional nursing specific requirements. Descriptions of nursing courses begin on Page 198.

DEGREE: BACHELOR OF SCIENCE IN NURSING (B.S.N.)
MAJOR: NURSING

1. Bachelor’s Degree Requirements, 120 hours minimum
   Note: 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. Nursing courses completed at another college or university necessary to complete the pre-licensure RN degree are counted toward degree requirements.

2. Bachelor’s Degree General Education Requirements (31-33 Hours)

3. NURS 312 Global Health Care (3) or a Diversity/Global upper-division requirement. B.S.N. students may select another course in this category. This course is also offered to non-nursing majors.

4. B.S.N. Completion Program Nursing Course Requirements (42 Hours)
   All nursing courses are delivered via distance education and Learning Management System.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 315</td>
<td>Foundations of Professional Nursing</td>
</tr>
<tr>
<td>NURS 317</td>
<td>Economics and Nursing</td>
</tr>
<tr>
<td>NURS 319</td>
<td>Nursing Management of Pain</td>
</tr>
<tr>
<td>NURS 329</td>
<td>Integrative Care Concepts</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 320</td>
<td>Pathophysiology in Nursing</td>
</tr>
<tr>
<td>NURS 316</td>
<td>Nursing Ethics</td>
</tr>
<tr>
<td>NURS 360</td>
<td>Health Assessment</td>
</tr>
<tr>
<td>MATH 106</td>
<td>(Prerequisite for STAT 213)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 415</td>
<td>Community Health Nursing</td>
</tr>
<tr>
<td>NURS 415L</td>
<td>Community Health Nursing Practicum (3)</td>
</tr>
<tr>
<td>NURS 416</td>
<td>Research/Evidence-Based Practice</td>
</tr>
<tr>
<td>MATH 1350</td>
<td>Introduction to Statistics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 413</td>
<td>Nursing Theory</td>
</tr>
<tr>
<td>NURS 417</td>
<td>Cultural Competencies for Nurses</td>
</tr>
<tr>
<td>NURS 425</td>
<td>Nursing Leadership</td>
</tr>
<tr>
<td>NURS 425L</td>
<td>Nursing Leadership Practicum (3)</td>
</tr>
</tbody>
</table>

5. Required courses in other areas (4 Hours)
   MATH 1350 Introduction to Statistics Methods I (4)
   (may require prerequisite course in MATH according to placement)

6. Electives to complete a minimum of 120 hours
   Elective requirements for the nursing program should be relevant to the nursing curriculum. 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.
Suggested Program of Study for the Bachelor of Science in Nursing

See Page 119 for a suggested sequence for full-time enrollment in the B.S.N. Completion Program. This is not an official degree plan. For specific information, students should contact their advisor. Students who seek a part-time course of study should see their adviser for an individual matriculation plan.

Accelerated Plan

The ENMU Nursing Program has an accelerated plan that allows qualified undergraduate students to begin their graduate degrees during their last year of undergraduate coursework, thereby allowing students to complete the MSN degree more quickly. To participate, students who are in the last semester of their junior year should consult with the program's graduate coordinator to determine the procedures for application to the Graduate School. Admission to the accelerated program requires that students meet graduate school admission requirements with a minimum GPA of 3.0, and will be based on a review of academic performance through the junior year. While in their senior year, students participating in the accelerated program must seek approval for registration from the graduate coordinator and graduate dean.

Once admitted, students may take up to six hours of graduate (500 level) nursing courses during their senior year. These courses will be considered shared credit courses, in that they may be used to meet both undergraduate and graduate degree requirements. It should be noted that students making a grade of C in a graduate course will be allowed to use the course for undergraduate degree requirements but may not be able to use that course toward the graduate degree.

The two graduate courses for shared credit include:

NURS 502 Research Methods in Nursing (3)  
Shared credit for NURS 416 Nursing Research and Evidence-Based Practice (3) on the BSN degree plan.

NURS 510 Nursing Concepts and Theories (3)  
Shared credit for NURS 413 Nursing Theory (3) on the BSN degree plan.

ASSISTANT PROFESSOR

Carolyn Tollett

SUGGESTED SEQUENCING

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 require travel to the ENMU – Portales campus. 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 adviser 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 adviser to assist
students with planning their course of study. SWK 2110 Introduction to Human Services and 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 30 prior to the fall semester or Nov. 15 prior to the Spring semester.

The B.S.W. program, in partnership with the New Mexico Children, Youth, and Families Department (CYFD), 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 SOWK/SWK courses begin on Page 204.

**DEGREE:** BACHELOR OF SOCIAL WORK (B.S.W.)

**MAJOR:** SOCIAL WORK

1. **Bachelor’s Degree Requirements, see Page 40.**
   
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.**

3. **Social Work Course Requirements (57 Hours)**

<table>
<thead>
<tr>
<th>SWK</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWK</td>
<td>Introduction to Human Services and Social Work (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Social Work Practice I – Individuals (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Social Work Practice II – Families (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Human Behavior in the Social Environment (HBSE) I (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Social Welfare Policy I (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Working with Aging Populations (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Perspectives in Mental Health (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Chemical Dependency – Significancies and Consequences (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Preparation for Field Placement (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Social Work Practice III – Small Groups (3)</td>
<td></td>
</tr>
<tr>
<td>SWK</td>
<td>Public Child Welfare (3)</td>
<td></td>
</tr>
</tbody>
</table>

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

**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 30 or Nov. 15 prior to the Spring semester. This packet includes an application, essay and three references and is available online at enmu.SocialWork. 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 program.

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, who opt for part-time study, 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 adviser to prepare the B.S.W. degree plan before enrolling. Students must also complete advising with a B.S.W. program adviser prior to enrolling each semester. Advising should be completed during the regular academic year (August to May) and students are encouraged to see their advisers during advising week each semester.
6. The majority of General Education Requirements must be met (31-33 hours minimum).

7. Social work majors must take the 57 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 sixty-four (464) 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 or online.

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.

**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)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 2110</td>
<td>Introduction to Human Services and Social Work</td>
<td>(3)</td>
</tr>
<tr>
<td>SWK 321</td>
<td>Human Behavior in the Social Environment (HBSE I)</td>
<td>(3)</td>
</tr>
<tr>
<td>SWK 345</td>
<td>Working with Aging Populations</td>
<td>(3)</td>
</tr>
<tr>
<td>SWK 349</td>
<td>Perspectives in Mental Health</td>
<td>(3)</td>
</tr>
<tr>
<td>SWK 416</td>
<td>Public Child Welfare</td>
<td>(3)</td>
</tr>
<tr>
<td>SWK 450</td>
<td>Inside Family Violence</td>
<td>(3)</td>
</tr>
</tbody>
</table>
DEPARTMENT OF HISTORY, SOCIAL SCIENCES AND RELIGION

Professors
Suzanne Balch-Lindsay
Donald C. Elder, III

Associate Professor
Chelsea Starr

Assistant Professors
Richard Allington
Omar Camarillo
Maria Duarte
Roy Koepp
Shirley Rollinson
Michelle Schmidt
Kristin Waldo

Instructors
Gary Piepkorn
Dag Sewell

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 skills in critical thinking with 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 ENGL 1120 before beginning any upper-division coursework in history and that students enroll in HIST 2310 (Introduction to Historical Methods) in the first semester they begin upper-division coursework in history. Descriptions of HIST courses begin on Page 186. Students in a major with licensure will complete the Teaching Degree General Education Requirements as found on Page 62 and the Professional Education Requirements listed on Page 65.

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 HUMN courses begin on Page 191. Majors in history are required to complete one HUMN course (HUMN 1110 or 2110) 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 199, and courses are offered for non-teaching general education credit. Teacher education students may not apply PHIL courses toward teaching 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 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.

3. History Core Requirements (17 Hours)
   *HIST 1110 United States History I (3)
   *HIST 1120 United States History II (3)
   *HIST 1150 Western Civilization I (3)
   *HIST 1160 Western Civilization II (3)
   HIST 2310 Introduction to Historical Methods (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, 373, 413, 431, 432, 433); European (HIST 321, 322, 324, 410, 411, 412, 428) and Non-Western (HIST 375, 377, 379, 381) history. One HIST 493 (3 Hours) may be taken as part of required hours in HIST.

5. Required courses in other areas (9 Hours)
   *GEOG 1140 Humans Role in Changing the Face of the Earth (3) OR GEOG 1130 Human Geography (3) OR ANTH 310 Origins of Human Diversity (3) OR ECON 1110* Survey of Economics (3) OR ECON 2110 Macroeconomic Principles (3) OR *HUMN 1110 Introduction to World Humanities I (3) OR HUMN 2110 Introduction to Modern World Humanities II (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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 1110</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1120</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1150</td>
<td>Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1160</td>
<td>Western Civilization II</td>
<td>3</td>
</tr>
</tbody>
</table>

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 2.75 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 40.

Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (BLED 350). B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (43 Hours), see Page 62.

3. Social Studies Core Requirements (27 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1130*</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1140*</td>
<td>Humans Role in Changing the Face of the Earth</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 333</td>
<td>Anthropology of the Developing World (3)</td>
<td>OR</td>
</tr>
<tr>
<td>SOCI 320</td>
<td>Social and Cultural Change (3)</td>
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</tr>
<tr>
<td>ECON 1110*</td>
<td>Survey of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2110*</td>
<td>Macroeconomic Principles (3)</td>
<td></td>
</tr>
<tr>
<td>POLS 1110*</td>
<td>Introduction to Political Science (3)</td>
<td></td>
</tr>
<tr>
<td>POLS 1120*</td>
<td>American National Government (3)</td>
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</tr>
<tr>
<td>SOCI 1110*</td>
<td>Introductory Sociology (3)</td>
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</table>

4. History Core Requirements (22 Hours)

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<thead>
<tr>
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</thead>
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<tr>
<td>HIST 1101</td>
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</tr>
<tr>
<td>HIST 1120</td>
<td>United States History II</td>
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<tr>
<td>HIST 1150</td>
<td>Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1160</td>
<td>Western Civilization II</td>
<td>3</td>
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</tbody>
</table>

5. Additional Courses in History (15 Hours)

Fifteen (15) hours of HIST that must include one course each in U.S. (HIST 327, 328, 372, 373, 413, 431, 432, 433); European (HIST 321, 322, 324, 410, 411, 412, 428); and Non-Western (HIST 375, 377, 379, 381) history. One HIST 493 (3) may be taken as part of required hours in HIST.

6. Professional Education Requirements (30-39 Hours), see Page 65.

7. This program requires about 120-128 hours

* May also be used to satisfy a General Education Requirement)

SUBJECT MATTER Endorsement

AREA/MINOR:  SOCIAL STUDIES

LICENSURE:  ELEMENTARY AND SPECIAL EDUCATION

Note: GPA of 2.75 is required in the minor.

Note: Students who major in social studies may not also minor in social studies.

Social Studies Course Requirements (27 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1130*</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1140*</td>
<td>Humans Role in Changing the Face of the World (3)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 333</td>
<td>Anthropology of the Developing World (3)</td>
<td>OR</td>
</tr>
<tr>
<td>SOCI 320</td>
<td>Social and Cultural Change (3)</td>
<td></td>
</tr>
<tr>
<td>ECON 1110*</td>
<td>Survey of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2110*</td>
<td>Macroeconomic Principles (3)</td>
<td></td>
</tr>
<tr>
<td>HIST 1110</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1120</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1150</td>
<td>Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1160</td>
<td>Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2110</td>
<td>Survey of New Mexico History (3)</td>
<td></td>
</tr>
<tr>
<td>POLS 1120*</td>
<td>American National Government (3)</td>
<td></td>
</tr>
<tr>
<td>SOCI 1110*</td>
<td>Introductory Sociology (3)</td>
<td></td>
</tr>
</tbody>
</table>

* May also be used to satisfy a General Education Requirement)

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 MATH 1350 Introduction to Statistics to complete general education mathematics requirements. Descriptions of SOCI courses begin on Page 203.

DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)  
MAJOR: SOCIOLOGY

1. Bachelor’s Degree Requirements, see Page 40.  
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47

3. Sociology Course Requirements (22 Hours)
   SOCI 1110* Introduction to Sociology (3)  
   SOCI 2110 Major Orientation (1)  
   SOCI 303 Social Stratifications (3)  
   SOCI 402 Classical Sociological Theory (3) OR SOCI 411 Contemporary Sociological Theory (3)  
   SOCI 324 Social Psychology (3) OR  
   SOCI 431 Deviant Behavior (3)  
   SOCI 311 Collective Behavior (3) OR  
   SOCI 320 Social and Cultural Change (3)  
   SOCI 434 Social Research Methods (3)  
   One course from the following:  
   SOCI 415 Sociology of the Family (3)  
   SOCI 416 Sociology of Media (3)  
   SOCI 417 Sociology of Medicine (3)  
   SOCI 419 Sociology of Law (3)  
   SOCI 420 Drugs and Society (3)  
   * May also be used to satisfy a General Education Requirement)

4. Other requirements in Sociology (12 Hours)
   Students must also complete 12 hours of SOCI 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

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 MATH 1350 Introduction to Statistics to complete general education mathematics requirements. Students may major or minor in criminal justice. Descriptions of CJUS courses begin on Page 166.

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 general education. The courses listed in each discipline matrix, including general education, 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. Students wishing to transfer to another college or university should consult an adviser there to see a list of common course equivalencies offered at that institution.

DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)  
MAJOR: CRIMINAL JUSTICE

1. Bachelor’s Degree Requirements, see Page 40  
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 40.

3. Criminal Justice Course Requirements (13 Hours)
   CJUS 1110/ CJ 102  Introduction to Criminal Justice (3)
   CJUS 301  Criminal Law and the Courts (3)
   CJUS 312  Criminology (3)
   CJUS 489  Internship (1-4)

4. Other requirements in Criminal Justice (18 Hours)
   Students must also complete 18 hours of CJUS electives, at least 12 of which must be upper division (300-/400-level).

5. Requirements in Sociology (13 Hours)
   *SOCI 1110  Introduction to Sociology (3)
   SOCI 2110  Major Orientation (1)
   SOCI 434  Social Research Methods (3)
   Select two of the following (6 Hours)
   SOCI 303  Social Stratification (3)
   SOCI 419  Sociology of Law (3)
   SOCI 431  Deviant Behavior (3)
   * May also be used to satisfy a General Education Requirement)

6. Required courses in other areas (3 Hours)
   ENGL 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)
   CJUS 1110/CJ 102  Introduction to Criminal Justice (3)
   CJUS 301  Criminal Law and the Courts (3)
   CJUS 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):
   SOCI 303  Race, Ethnicity and Gender (3)
   SOCI 419  Sociology of Law (3)
   SOCI 431  Deviant Behavior (3)

DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)

MAJOR: 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 RELG courses begin on Page 201.

RELIGION

DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)

MAJOR: RELIGION

1. Bachelor's Degree Requirements, see Page 40. Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.

3. Religion Course Requirements (34 Hours)
   RELG 1123  Hebrew Bible (3)
   RELG 1126  New Testament (3)
   RELG 2510  Principles of Textual Interpretation (3)
   RELG 330  The History of Christianity (3)
   OR
   RELG 331  History of Religion in America (3)
   RELG 402  World's Living Religions (3)
   RELG 495  Senior Seminar (1)

Three credit hours taken from the following courses:
   RELG 302, 303, 305, 310, 315, 334, 420, 431, 432

Students must also complete 15 hours of RELG electives with a minimum of 9 hours upper division (300-/400-level). One of these courses may be HIST 324 or HIST 410.

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)
RELG 1123 Hebrew Bible (3)
RELG 1126 New Testament Survey (3)
RELG 402 World’s Living Religions (3)

Students must also complete 9 hours of RELG 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 (19 Hours)
GREK 1110 Greek I (4)
GREK 1120 Greek II (4)
HEBR 1110 Hebrew I (4)
HEBR 1120 Hebrew II (4)

Students must also complete 3 hours of upper-division (300-/400-level) GREK or HEBR 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 GREK courses begin on Page 186.

Greek Course Requirements (17 Hours)
GREK 1110 Greek I (4)
GREK 1120 Greek II (4)
GREK 2110 Greek III (3)
GREK 2120 Greek IV (3)

Students must also complete 3 hours of upper-division (300-/400-level) GREK 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 HEBR courses begin on Page 186.

Hebrew Course Requirements (17 Hours)
HEBR 1110 Hebrew I (4)
HEBR 1120 Hebrew II (4)
HEBR 2110 Hebrew III (3)
HEBR 2120 Hebrew IV (3)

Students must also complete 3 hours of upper-division (300-/400-level) HEBR courses.
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 adviser, 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 40**
   **Note:** Students must successfully complete FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.

2. **Associate Degree General Education Requirements (31-33 Hours), see Page 40.**

3. **Electives to complete 60 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 of the final 30 hours must be completed in residence at ENMU-Portales.

**FORENSIC SCIENCE**

Forensic science is the field of study involved in the investigation of crimes and the identification of human remains. Most students with a major in forensic science can expect to work in either an investigative unit (crime scene investigation, death investigation) or a laboratory setting (lab technician, DNA extraction and amplification, processing toxicology samples, or autopsy technician). Because forensic science is a diverse and interdisciplinary field, this program currently offers three areas of emphasis in which students may specialize: forensic anthropology, forensic biology and forensic chemistry. Students in forensic science will need to take a set of core courses as well as the courses required to complete their chosen area of specialization. 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 or forensic pathologist are encouraged to follow the pre-medicine program and students interested in pursuing a career as a board-certified forensic anthropologist should major in anthropology with a biological anthropology emphasis.

**Forensic Sciences Core Requirements (48-49 Hours)**
- ANTH 1120C Introduction to Archaeology (4)
- ANTH 404 Human Osteology (3)
- ANTH 411/L Advanced Skeletal Analysis (3)
- ANTH 416/L Applied Microscopy (3)
- BIOL 2210/L Human Anatomy and Physiology I (4)
- GEOL 1110/L Physical Geology (4)
- GEOL 311/L Stratigraphy and Sedimentation (4)

**DEGREE:** BACHELOR OF SCIENCE (B.S.)
**MAJOR:** FORENSIC SCIENCE
**EMPHASIS:** FORENSIC ANTHROPOLOGY

1. **Bachelor’s Degree Requirements, see Page 40.**
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.**

3. **Forensic Science Core Requirements (48-49 Hours), see Page 128.**

4. **Forensic Anthropology Emphasis Area Requirements (25 Hours)**
- ANTH 1120C Introduction to Archaeology (4)
- ANTH 404 Human Osteology (3)
- ANTH 411/L Advanced Skeletal Analysis (3)
- ANTH 416/L Applied Microscopy (3)
- BIOL 2210/L Human Anatomy and Physiology I (4)
- GEOL 1110/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 40.**
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47

3. Forensic Science Core Requirements (48-49 Hours), see Page 128

4. Forensic Biology Emphasis Area Requirements (26 Hours)
   - BIOL 2210/L Human Anatomy and Physiology I (4)
   - BIOL 2225/L Human Anatomy and Physiology II (4)
   - BIOL 2120 Cellular and Molecular 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 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Forensic Science Core Requirements (48-49 Hours), see Page 128.

4. Forensic Chemistry Emphasis Area Requirements (25-26 Hours)
   - CHEM 2310/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; CJUS 309, 310, 432; GEOL 305/L, 454; PSYC 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 adviser in biology or chemistry, although other possibilities exist (e.g., an agriculture adviser for pre-veterinary preparation or a physics adviser 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 adviser/mentor and research catalogs of potential professional schools as early as possible (even before an adviser 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 adviser 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 (4 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 adviser 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 pre-medicine emphasis). 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 III.

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:
   a. College mathematics, one year (calculus is recommended)
   b. General biology or zoology (including laboratory, one year)
   c. General chemistry (including laboratory, one year)
   d. General physics (including laboratory, one year)
   e. 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 adviser 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 adviser 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 adviser 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 adviser 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 adviser 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 adviser or members of the Allied Health Sciences advisory committee for specific recommendations and design of a suitable course of study to meet their needs.
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 ENGL 1110/1120 as part of the General Education Requirements.

Prospective English majors are reminded that the B.A. degree requires proficiency in a second language other than English. All students enrolling in a 2000-level course should have completed English 1110 and 1120 with grades of “C” or higher and those enrolling in upper-division English courses are required to have completed English 1110 and 1120 with grades of “C” or higher. Writing assignments in these courses will assume knowledge of the skills taught in those courses. Students in a major with licensure will complete the Teaching Degree General Education Requirements as found on Page 62 and Professional Education Requirements listed on Page 65. Descriptions of ENGL courses begin on Page 180.

### DEGREE: BACHELOR OF ARTS (B.A.)

#### MAJOR: ENGLISH

1. **Bachelor’s Degree Requirements, see Page 40**

   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.**

3. **English Course Requirements (40 Hours)**

   - ENGL 1120 Composition II (3)
   - ENGL 1410 Introduction to Literature (3)
   - ENGL 2630 British Literature I (3)
   - ENGL 2640 British Literature II (3)
   - ENGL 2610 American Literature I (3)
   - ENGL 2620 American Literature II (3)
   - ENGL 301 Cinema Studies (3)
   - ENGL 330 Literary Theory (3)
   - ENGL 345 Advanced Composition (3)
   - ENGL 378 World Literature (3)
   - ENGL 494 Senior Capstone (1)

   Students must also complete 9 hours of upper-division (300-/400-level) ENGL electives from the following list of courses: ENGL 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).

- ENGL 1410 Introduction to Literature (3)
- ENGL 2630 British Literature I (3) OR
- ENGL 2640 British Literature II (3)
- ENGL 2610 American Literature I (3) OR
- ENGL 2620 American Literature II (3)
- ENGL 301 Cinema Studies (3)

Students must also complete 9 hours of ENGL electives, including 6 hours of upper-division courses.

### DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)

#### MAJOR: ENGLISH

Note: GPA of 2.75 is required in the endorsement area.

1. **Bachelor’s Degree Requirements, see Page 40**

   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (BLED 350). B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (41-44 Hours), see Page 62.**

### LICENSURE: SECONDARY

Note: GPA of 2.75 is required in the endorsement area.
3. English Course Requirements (43 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1120</td>
<td>Composition II (3)</td>
</tr>
<tr>
<td>ENGL 1410</td>
<td>Introduction to Literature (3)</td>
</tr>
<tr>
<td>ENGL 2630</td>
<td>British Literature I (3)</td>
</tr>
<tr>
<td>ENGL 2640</td>
<td>British Literature II (3)</td>
</tr>
<tr>
<td>ENGL 2610</td>
<td>American Literature I (3)</td>
</tr>
<tr>
<td>ENGL 2620</td>
<td>American Literature II (3)</td>
</tr>
<tr>
<td>ENGL 301</td>
<td>Cinema Studies (3)</td>
</tr>
<tr>
<td>ENGL 330</td>
<td>Literary Theory (3)</td>
</tr>
<tr>
<td>ENGL 345</td>
<td>Advanced Composition (3)</td>
</tr>
<tr>
<td>ENGL 376</td>
<td>Latina/o/x Literature (3)</td>
</tr>
<tr>
<td>ENGL 441</td>
<td>Shakespeare (3)</td>
</tr>
<tr>
<td>ENGL 494</td>
<td>Senior Capstone (1)</td>
</tr>
<tr>
<td>ENGL 496</td>
<td>Methods of Teaching</td>
</tr>
<tr>
<td></td>
<td>Secondary English (3)</td>
</tr>
</tbody>
</table>

Students must also complete 6 hours of upper-division (300-/400-level) English electives from the following: ENGL 378, 413, 426, 430, 447.

4. Professional Education Requirements (30–39), see Page 65.

5. This program requires about 120-128 Hours.

Note: This major does not require a minor.

---

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: ENGLISH

LICENSURE: SECONDARY ONLY

Note: GPA of 2.75 is required in the minor.

English Course Requirements (24 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1410</td>
<td>Introduction to Literature (3)</td>
</tr>
<tr>
<td>ENGL 301</td>
<td>Cinema Studies (3)</td>
</tr>
<tr>
<td>ENGL 345</td>
<td>Advanced Composition (3)</td>
</tr>
<tr>
<td>ENGL 496</td>
<td>Methods of Teaching</td>
</tr>
<tr>
<td></td>
<td>Secondary English (3)</td>
</tr>
</tbody>
</table>

Choose two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2630</td>
<td>British Literature I (3) OR</td>
</tr>
<tr>
<td>ENGL 2640</td>
<td>British Literature II (3)</td>
</tr>
<tr>
<td>ENGL 2610</td>
<td>American Literature I (3) OR</td>
</tr>
<tr>
<td>ENGL 2620</td>
<td>American Literature II (3)</td>
</tr>
</tbody>
</table>

Students must also complete 6 hours of upper-division (300-/400-level) ENGL electives, from the following list: ENGL 376, 378, 413, 426, 430, 441, 447.

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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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDMA 340</td>
<td>Writing the Screenplay (3) OR</td>
</tr>
<tr>
<td>ENGL 2310</td>
<td>Introduction to Creative Writing (3)</td>
</tr>
<tr>
<td>ENGL 310</td>
<td>Poetry Writing (3)</td>
</tr>
<tr>
<td>ENGL 335</td>
<td>Creative Writing (3)</td>
</tr>
<tr>
<td>ENGL 401</td>
<td>Creative Non-fiction (3)</td>
</tr>
<tr>
<td>ENGL 420</td>
<td>Reading as a Creative Writer (3)</td>
</tr>
<tr>
<td>THEA 324</td>
<td>Workshop in Playwriting (3)</td>
</tr>
</tbody>
</table>

---

Accelerated Undergraduate/Graduate Degree Program

Qualified students who wish to pursue graduate study in English may choose to participate in an accelerated program. Undergraduate students who are admitted into the graduate program as part of an accelerated plan may take up to 9 graduate hours during the last year of undergraduate coursework. These hours will apply to both undergraduate and graduate degrees.

To participate, students should apply to the Graduate School during the semester in which they will complete 90 credit hours. Admission to the accelerated program requires that students meet graduate school admission requirements with a minimum GPA of 3.0, and will be based on a review of academic performance through the time of application.

Once admitted, students may take up to 9 hours of graduate (500 level) courses during their senior year. The specific courses that will count as shared credit include:

---

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 151.

Courses Offered:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALC 102</td>
<td>Foundations of English I (3)</td>
</tr>
<tr>
<td>ALC 104</td>
<td>Foundations of English II (3)</td>
</tr>
<tr>
<td>ALC 202</td>
<td>English Conversation I (3)</td>
</tr>
<tr>
<td>ALC 204</td>
<td>English Conversation II (3)</td>
</tr>
<tr>
<td>ALC 210</td>
<td>English for Academic Purposes I (3)</td>
</tr>
</tbody>
</table>
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 1000-level courses; other students should consult the language faculty or take a placement test before registering. Native speakers of Spanish should enroll in SPAN 2220, a course 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 (FREN 2110/2120, SPAN 2220 or approved equivalent). Course descriptions for FREN courses begin on Page 184. Course descriptions for SPAN courses begin on Page 206.

DEGREE: BACHELOR OF ARTS (B.A.)
MAJOR: SPANISH

1. Bachelor's Degree Requirements, see Page 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.

3. Spanish Course Requirements (40 Hours)
   SPAN 2120 Spanish IV (3) OR
   SPAN 2220 Spanish for Heritage Learners IV (3)
   SPAN 311 Advanced Composition (3)
   SPAN 325 Peninsular Culture and Civilization (3)
   SPAN 326 Latin American Culture and Civilization (3)
   SPAN 330 Grammar (3)
   SPAN 350 Advanced Conversation and Film (3)
   SPAN 425 Transatlantic Survey I (3)
   SPAN 426 Transatlantic Survey II (3)
   SPAN 492 Seminar in Spanish Studies (3)
   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 2.75 is required in the licensure area.
1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (BLED 350). B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (43 Hours), see Page 62.

3. Spanish Course Requirements (40 Hours)
   SPAN 2120 Spanish IV (3) OR
   SPAN 2220 Spanish for Heritage Learners IV (3)
   SPAN 311 Advanced Composition (3)
   SPAN 325 Peninsular Culture and Civilization (3)
   SPAN 326 Latin American Culture and Civilization (3)
   SPAN 330 Grammar (3)
   SPAN 350 Advanced Conversation and Film (3)
   SPAN 425 Transatlantic Survey I (3)
   SPAN 426 Transatlantic Survey II (3)
   SPAN 436 Teaching of Modern Languages (3)
   SPAN 492 Seminar in Spanish Studies (3)
   Students must also complete 9 hours of SPAN electives including 3 hours of upper-division (300-/400-level) courses.

4. Professional Education Requirements (30-39 Hours), see Page 65.
5. This program requires about 120-136 Hours
   Note: This major does not require a minor.
MINOR: SPANISH

Note: Students earning a major in Spanish may not also minor in Spanish.

Course Requirements (21 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 311</td>
<td>Advanced Composition (3)</td>
</tr>
<tr>
<td>SPAN 330</td>
<td>Grammar (3)</td>
</tr>
</tbody>
</table>

Students must also complete 15 hours in SPAN, including 3 hours of upper-division (300-/400-level) courses.

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: SPANISH

LICENSURE: ELEMENTARY/SPECIAL EDUCATION AND SECONDARY EDUCATION

Note: GPA of 2.75 is required in the minor.

Spanish Course Requirements (24 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 2120</td>
<td>Spanish IV (3) OR</td>
</tr>
<tr>
<td>SPAN 2220</td>
<td>Spanish for Heritage Learners IV (3)</td>
</tr>
<tr>
<td>SPAN 311</td>
<td>Advanced Composition (3)</td>
</tr>
<tr>
<td>SPAN 330</td>
<td>Grammar (3)</td>
</tr>
<tr>
<td>SPAN 425</td>
<td>Transatlantic Survey I (3)</td>
</tr>
<tr>
<td>SPAN 426</td>
<td>Transatlantic Survey II (3)</td>
</tr>
<tr>
<td>SPAN 436</td>
<td>Teaching of Modern Languages (3)</td>
</tr>
</tbody>
</table>

Students must also complete 6 hours of upper-division (300-/400-level) SPAN courses.
DEPARTMENT OF MATHEMATICAL SCIENCES

Professors
Hamid Allamehzadeh
Regina Aragon

Associate Professors
Kristi Jarman
Brian Pasko

Assistant Professors
Chunchao Lane
Chang Liu
Weizhong Tian
Scott Hendershot
D’Layna Moore
Kimberly Potters
Lynnette Roller
Justin Strawn
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 62 and the Professional Education Requirements listed on Page 65. Descriptions for MATH courses begin on Page 192.

DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)

1. Bachelor’s Degree Requirements, see Page 40
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. The B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (31-33 Hours), see Page 47.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: INDUSTRIAL MATHEMATICS AND STATISTICS

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Math Course Requirements (62 Hours)
   CS 120 Introduction to Computer Programming (3)
   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)
   ENGL 305 Report Writing (3)
   MATH 1510 Calculus I (4)
   MATH 1520 Calculus II (4)
   MATH 2530 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
MATH 352 Introduction to Linear Algebra (4)  
MATH 418 Decision Theory and Prescriptive Analytics (3)  
MATH 1350 Introduction to Statistics (4)  
STAT 313 Statistical Methods II (3)  
STAT 403 Probability and Mathematical Statistics (3)  
STAT 417 Operations Research (3)  
STAT 400 Data Science (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 1510 Calculus I (4)  
MATH 1520 Calculus II (4)  
MATH 2530 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, MATH 1350; (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 204.

MINOR: STATISTICS  
Note: Students earning a major in industrial mathematics and statistics may not also minor in statistics.  
Statistics Course Requirements (21 Hours)  
MATH 1510 Calculus I (4)  
MATH 1520 Calculus II (4)  
MATH 2530 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)  
MATH 1350 Introduction to Statistics (3)  

4. Professional Education Requirements (30-39 Hours), see Page 65.  
5. This program requires about 120-143 Hours  
Note: This major does not require a minor.

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 40.  
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement (BLED 350). B.A. candidates must satisfy the language requirement (6-14 Hours), see Page 40. 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 (41-44 Hours), see Page 62.

3. Mathematics Course Requirements (44-45 Hours)  
Note: GPA of 2.75 is required in the licensure area.  
CS 120 Introduction to Computer Programming (3) OR  
CS 123 Computer Science I (4)  
MATH 1510 Calculus I (4)  
MATH 1520 Calculus II (4)  
MATH 2530 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)  
MATH 1350 Introduction to Statistics (3)  

4. Professional Education Requirements (30-39 Hours), see Page 65.  
5. This program requires about 120-143 Hours  
Note: This major does not require a minor.

SUBJECT MATTER ENDORSEMENT  
AREA/MINOR: MATHEMATICS FOR SECONDARY EDUCATION  
LICENSURE: SECONDARY  

Note: GPA of 2.75 is required in the endorsement area.  
Mathematics Course Requirements (24 Hours)  
MATH 1510 Calculus I (4)  
MATH 1520 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)
MATH 1350 Introduction to Statistics (4)

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: MATHEMATICS FOR ELEMENTARY EDUCATION

LICENSURE: ELEMENTARY OR SPECIAL EDUCATION

Note: GPA of 2.75 is required in the endorsement area.

Mathematics Course Requirements (24 Hours)
MATH 1130 Survey of Mathematics (4)
MATH 1220 College Algebra (4)
MATH 261 Mathematics for Teaching Grades Pre-K-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)
MATH 1350 Introduction to Statistics (4)

If additional hours are needed to complete 24 hours in the content area, students may choose from: CS 120, MATH 1230, MATH 1510 or MATH 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 170.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: COMPUTER SCIENCE

1. Bachelor's Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Computer Science Course Requirements (33 Hours)
   CS 102 Computer Science Orientation (1)
   CS 120 Introduction to Computer Programming (3)
   CS 123 Computer Science I (3)
   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 359 Database Design and Programming (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 (20-21 Hours)
   EET 241 Logic Circuits (3)
   EET 340 Introduction Computer Organization/Architecture (3)
   ENGL 305 Report Writing (3)
   MATH 1510 Calculus I (4)
   MATH 1520 Calculus II (4)
   One course from MATH 1350, 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; MATH 1350; BCIS 343, 435 (3-4 Hours).

ELECTRONICS ENGINEERING TECHNOLOGY

The Bachelor of Science in Electronics Engineering Technology degree 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, renewable energy technologies, 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. BAAS in EET and EET (RE) information is available on Page 81. Descriptions of EET courses begin on Page 177.

**DEGREE:** BACHELOR OF SCIENCE (B.S.)
**MAJOR:** ELECTRONIC ENGINEERING TECHNOLOGY COMPOSITE (EET)

1. Bachelor's Degree Requirements, see Page 40.
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

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 343/L Advanced Digital Design (3)
   - EET 357/L Electronic Communications I (3)
   - EET 402/L Renewable Energy Technology (3)
   - EET 437/L Semiconductor Devices III (3)
   - EET 412/L Electrical Power and Machinery (3)
   - EET 450/L Control Systems (3)
   - EET 457/L Electronic Communications II (3)
   - EET 472/L Microcontroller Programming and Interfacing (3)
   - EET 490 Capstone (3)

4. Required courses in related areas (14-15 Hours)
   - CS 120 Introduction to Computer Programming (3) OR CS 123 Programming Fundamentals (4)
   - MATH 1220 College Algebra (4)
   - MATH 1230 Trigonometry (3)
   - MATH 1510 Calculus I (4)

5. Electives to complete a minimum of 120 hours
   **Note:** This major does not require a minor.

**DEGREE:** BACHELOR OF SCIENCE (BS)
**MAJOR:** ELECTRONIC ENGINEERING TECHNOLOGY COMPOSITE (EET)

**EMPHASIS** RENEWABLE ENERGY (RE)

1. Bachelor's Degree Requirements, see Page 40.
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. The BS degree requires a minimum of 40 hours of upper-division courses. Developmental courses (any course whose number begins with 0) will not be counted toward graduation requirements.

2. General Education Requirements (31 Hours), see Page 47.

3. EET Core Requirements (30 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 357/L Electronic Communications I (3)
   - EET 437/L Semiconductor Devices III (3)

4. RE Emphasis Requirements (21 Hours)
   - EET 302/L Industrial Electronics (3)
   - EET 402/L Renewable Energy Technology I (3)
   - EET 403/L Renewable Energy Technology II (3)
   - EET 404/L Renewable Energy Technology III (3)
   - EET 412 Electrical Power and Machinery (3)
   - EET 450/L Control Systems (3)
   - EET 490 Capstone (Renewable Energy Projects) (3)

5. Electives: Select one course from the following (3 Hours)
   - EET 340 Introduction Computer Organization/Architecture (3)
   - EET 343/L Advanced Digital Design (3)
   - EET 457/L Electronic Communications II (3)
   - EET 489 Industrial Internship (Renewable Energy related) (3)
6. **Required courses in related areas (18-19 Hours)**
   - CS 120 Introduction to Computer Programming (3) **OR**
   - CS 123 Computer Science I (4)
   - MATH 1220 College Algebra (4)
   - MATH 1230 Trigonometry (3)
   - MATH 1510 Calculus I (4)
   - MATH 1350 Introduction to Statistics (4)

7. **Electives to complete a minimum of 120 hours.**
   **Note:** This is a composite major and does not require a minor.

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**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)

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**DEGREE: ASSOCIATE OF SCIENCE (A.S.)**

**MAJOR: ELECTRONIC ENGINEERING TECHNOLOGY**

The Associate of Science in EET is designed to prepare students for a basic theoretical foundation and practical hands-on experience in electronics applications. Graduates of the program may work as electronic technicians to analyze, test, troubleshoot and maintain electronic circuits, equipment and instrumentations. Graduates may seek immediate employment or transfer to a four-year programs in engineering technology.

1. **Associate Degree Requirements, see Page 40.**
   **Note:** Students must successfully complete FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.

2. **Associate Degree General Education Requirements (31-33 Hours), see Page 47.**

3. **EET Course Requirements (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)

4. **Electives to complete a minimum of 60 Hours**
DEPARTMENT OF PHYSICAL SCIENCES

Professors
James Constantopoulos
Juchao Yan

Associate Professors
William Andersen
James Finley

Assistant Professors
Steven Karpowicz
Zhihan Wang

Instructor
Alice Harshey-Bischoff

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, B.S. chemistry, B.S. chemistry (pre-med), and minors in chemistry and geology. Courses offered in the department are under the following subject codes: AVS, CHEM, ENVS, GEOL, 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 156.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: AVIATION SCIENCE

1. Bachelor's Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Aviation Science Course Requirements (29 Hours)
   AVS 110 History of Aviation (3)
   AVS 120/L Theory of Flight (4)
   AVS 135/L Aircraft Construction and Materials (4)
   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 (3)

4. Required courses in other areas (22-23 Hours)
   ECON 1110 Survey of Economics (3) OR
   ECON 2110 Macroeconomic Principles (3)
   ECON 2120 Microeconomic Principles (3) OR
   ENGL 2210 Professional and Technical Communication (3) OR
   ENGL 305 Report Writing (3)
   BCIS 1110 Introduction to Information Systems (3)
   IS 281 Spreadsheets and Data Analysis (3)
   MGT 313 Organizational Behavior (3)
   MATH 1350 Introduction to Statistics (4)
   MATH 1216, 1220, 151, 2530 or 1430

5. 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 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 adviser for an individual program of study.
   Note: This major does not require a minor.

DEGREE: BACHELOR OF APPLIED ARTS AND SCIENCE (B.A.A.S.)
MAJOR: AVIATION SCIENCE

Note: Students may apply up to a maximum of 58 technical/vocational hours into the Bachelor of Applied Arts and Science degree in Aviation Science. Academic coursework taken before enrolling in the AVS B.A.A.S. program is evaluated and may meet general education or other university requirements. The acceptance and transfer of coursework will be based on an analysis of each student's transcript. An A.A.S. in an Aviation Maintenance program, or an active A&P license are the best preparation for a B.A.A.S. in AVS. Students with other levels of technical or vocational training who are interested in AVS should consult with the AVS director prior to considering application for this B.A.A.S. program.

1. Bachelor's Degree Requirements, see Page 45.
   Note: The B.A.A.S. degree requires a minimum of 18 hours of upper-division courses, including a Diversity/Global upper-division requirement. Developmental courses will not be counted toward graduation requirements.

2. General Education Requirements (31-32 Hours), see Page 47.
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 Course Requirements (21 Hours)**

   - AVS 110 History of 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 (3)

5. **Required courses in other areas (19 Hours)**

   - ECON 1110 Survey of Economics (3) OR
   - ECON 2210 Macroeconomic Principles (3)
   - OR
   - ECON 2120 Microeconomic Principles (3)
   - ENG 305 Report Writing (3) OR
   - ENGL 2210 Professional and Technical Communication (3)
   - BCIS 1110 Introduction to Information Systems (3)
   - IS 281 Spreadsheets and Data Analysis (3)
   - MGT 313 Organizational Behavior (3)
   - MATH 1350 Introduction to Statistics (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 adviser for an individual program of study.

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

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**CHEMISTRY**

The chemistry program offers B.S. degrees in biochemistry and chemistry. These degrees offer rigorous training in biochemistry, chemistry, and mathematics and are designed specifically for students who wish to pursue graduate studies or employment as chemists.

Students intending to apply for medical, dental or veterinary school admission can major in chemistry with an emphasis in pre-medicine (another pre-medicine option is to major in biology with an emphasis in pre-medicine). Other allied health field goals can be accommodated. Consultation with a chemistry advisor is recommended to plan for specific curriculum needs depending on student goals.

In addition to the degree programs listed here, the chemistry program has an Accelerated Undergraduate/Graduate Degree Program that allows qualified undergraduate students to begin their graduate degrees during their last year of undergraduate coursework, thereby allowing students to complete the M.S. degree more quickly. For further details, see the Accelerated Undergraduate/Graduate Degree Program 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 62 and the Professional Education Requirements listed on Page 65.

**Chemistry Core Requirements (26 Hours)**

   - CHEM 1215/L Chemistry I for STEM Majors (4)
   - CHEM 1225/L Chemistry II for STEM Majors (4)
   - CHEM 2310/L Quantitative Analysis (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

1. Bachelor's Degree Requirements, see Page 40.

   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.**

3. **Chemistry Core Requirements (26 Hours), see Page 142.**

4. **Biochemistry 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)
   - CHEM 470 Investigative Problems (3-4)

5. **Required Courses in Related Areas (37 Hours)**

   - BIOL 2110/L Principles of Biology: Cellular and Molecular Biology (4)
   - BIOL 2610/L Principles of Biology: Biodiversity, Ecology and Evolution (4)
   - BIOL 2120 Cellular and Molecular Biology (3)
   - BIOL 304 Genetics (3)
6. Complete a minimum of 120 hours
Note: This major does not require a minor.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: CHEMISTRY

1. Bachelor's Degree Requirements, see Page 40.
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Chemistry Core Requirements (26 Hours), see Page 142.

4. Pre-Medicine Emphasis Requirements (16 Hours)
CHEM 321/L Inorganic Chemistry (4)
CHEM 401/L Biochemical Methods (2)
CHEM 411/L Physical Chemistry/Thermodynamics (4)
CHEM 452 Biochemistry (3)
CHEM 453 Advanced Biochemistry (3)

5. Required courses in related areas (37 Hours)
BIOL 2110/L Principles of Biology I: Cellular and Molecular Biology (4)
MATH 1220 College Algebra (4)
MATH 1230 Trigonometry (3)
MATH 1510 Calculus I (4)
MATH 2530 Calculus III (4)
PHYS 1230/L Algebra-based Physics I (4)
PHYS 1240/L Algebra-based Physics II (4)

6. Complete a minimum of 120 hours
Note: This major does not require a minor.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: CHEMISTRY

EMPHASIS: PRE-MEDICINE

1. Bachelor's Degree Requirements, see Page 40.
Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Chemistry Core Requirements (26 Hours), see Page 142.

4. Pre-Medicine Emphasis Requirements (16 Hours)
CHEM 321/L Inorganic Chemistry (4)
CHEM 401/L Biochemical Methods (2)
CHEM 411/L Physical Chemistry/Thermodynamics (4)
CHEM 452 Biochemistry (3)
CHEM 453 Advanced Biochemistry (3)

5. Required courses in related areas (37 Hours)
BIOL 2110/L Principles of Biology I: Cellular and Molecular Biology (4)
BIOL 2210/L Human Anatomy and Physiology I (4)
BIOL 2225/L Human Anatomy and Physiology II (4)
BIOL 2120 Cellular and Molecular Biology (3)
BIOL 304 Genetics (3)
BIOL 306/L Microbiology (4)
MATH 1220 College Algebra (4)
MATH 1430 Applications of Calculus (3)
PHYS 1230/L General Physics (4)
PHYS 1240/L General Physics (4)

6. Complete a minimum of 120 hours
Note: This major does not require a minor.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: CHEMISTRY

LICENSURE: SECONDARY SCIENCE

Note: GPA of 2.75 is required in the endorsement area.

1. Bachelor's Degree Requirements, see Page 40.
Note: Students must successfully complete FYEX 1110, and a Diversity/Global upper-division (BLED 350). 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 (43 Hours), see Page 62.

3. Chemistry Teaching Core Requirements (16 Hours)
CHEM 1215/L Chemistry I for STEM Majors (4)
CHEM 1225/L Chemistry II for STEM Majors (4)
CHEM 341/L Organic Chemistry I (4)
CHEM 342/L Organic Chemistry II (4)
4. Required courses in other areas (30-31 Hours)

Courses can be taken to fulfill the 12-hour science and 6-hour math General Education Requirements.

- BIOL 2110/L Principles of Biology: Cellular and Molecular Biology (4)
- BIOL 407 Teaching Methods in Science (3)
- GEOL 1110/L Physical Geology (4)
- PHYS 1230/L Algebra-based Physics I (4)
- PHYS 1240/L Algebra-based Physics II (4)
- MATH 1220 College Algebra (4)
- MATH 1430 Applications of Calculus I (3)
- OR
- MATH 1510 Calculus (4)
- MATH 1350 Introduction to Statistics (4)

5. Professional Education Requirements (30-39 Hours), see Page 65.

6. This program requires about 125-126 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 1215/L Chemistry I for STEM Majors (4)
- CHEM 1225/L Chemistry II for STEM Majors (4)

Choose at least one of the following (4 Hours):

- CHEM 2310/L Quantitative 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 Physical Chemistry (4)
- CHEM 407 Forensic Chemistry (3)
- CHEM 411/L Thermodynamics (4)
- CHEM 412 Physical Chemistry/Quantum Mechanics (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 2.75 is required in the endorsement area.

Up to 8 hours of science coursework taken as part of General Education Requirements may apply to the endorsement (noted below with *). See adviser to assist with the selection of electives.

1. Required Courses (16 Hours)

- BIOL 2110/L* Principles of Biology: Cellular and Molecular Biology (4) OR

Accelerated Undergraduate/Graduate Degree Program

Qualified students who wish to pursue graduate study in Chemistry may choose to participate in an accelerated program. Undergraduate students who are admitted into the graduate program as part of an accelerated plan may take up to 12 graduate hours during the last year of undergraduate coursework. These hours will apply to both undergraduate and graduate degrees.

To participate, students should apply to the Graduate School during the semester in which they will complete 90 credit hours. Admission to the accelerated program requires that students meet graduate school admission requirements with a minimum GPA of 3.0, and will be based on a review of academic performance through the time of application. See the graduate catalog for additional materials required by Chemistry for admission.

Once admitted, students may take up to 12 hours of graduate (500 level) courses during their senior year. The specific courses that will count as shared credit include:

- CHEM 511 Thermodynamics (3)
- CHEM 507 Electrocatalysis (2)
- CHEM 548 Writing in Chemistry (2)
- CHEM 549 Metabolic Chemistry (2)
- CHEM 551 Pharmaceutical Chemistry (2)
- CHEM 594 Graduate Seminar (1)

While in their senior year, students participating in the accelerated program must seek approval for registration from the program’s graduate coordinator and graduate dean.

It should be noted that students making a grade of C in a graduate course will be allowed to use the course for undergraduate degree requirements but may not be able to use that course toward the graduate degree.

ENVIRONMENTAL SCIENCE

The Bachelor of Science 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 adviser. Course descriptions begin on Page 182 (ENVS) and 184 (GEOL).

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: ENVIRONMENTAL SCIENCE

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 (31-33 Hours), see Page 47.

3. Environmental Science Course Requirements (30 Hours)
   ENVS 410 Environmental Law and Phase I Site Assessment (3)
   ENVS 420 Environmental Hydrology (3)
   ENVS 465 Senior Research Project (2)
   GEOL 1110/L Physical Geology (4)
   GEOL 1115/L Earth Resources (4)
   GEOL 304 Geomorphology (3)
   GEOL 305/L Mineralogy and Petrology (4)
   GEOL 311/L Stratigraphy and Sedimentation (4)
   GEOL 454 Geochemistry (3)

4. Additional emphasis courses (48 Hours)
   SOIL 2110 Soil Science (3)
   ANTH 410 Geographic Information Systems for Anthropology (3)
   OR
   BIOL 460 Landscape Ecology and GIS (3)
   BIOL 2110/L Principles of Biology: Cellular and Molecular Biology (4)
   BIOL 2610/L Principles of Biology: Biodiversity, Ecology & Evolution (4)
   BIOL 303/L General Ecology (4)
   CHEM 1215/L Chemistry I for STEM Majors (4)
   CHEM 1225/L Chemistry II for STEM Majors (4)
   PHYS 1230/L Algebra-based Physics I (4)
   PHYS 1240/L Algebra-based Physics (4)
   MATH 1220 College Algebra II (4)
   MATH 1350 Introduction to Statistics (4)
   MATH 1430 Applications of Calculus I (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: GEOLOGY

Geology Course Requirements (19 Hours)
   GEOL 1110/L Earth Resources (4)
   GEOL 1115/L Physical Geology (4)
   GEOL 304 Geomorphology (3)
   GEOL 305/L Mineralogy and Petrology (4)
   GEOL 311/L Stratigraphy and Sedimentation (4)
   CHEM/GEOL 454 Geochemistry (3)
**DEPARTMENT OF PSYCHOLOGY AND POLITICAL SCIENCE**

**Professors**
- Daniel Acheson-Brown
- Gary Bond
- Leslie Gill
- Elizabeth Self

**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 POLS courses begin on Page 200.

**DEGREE:** BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)

**MAJOR:** POLITICAL SCIENCE

1. **Bachelor’s Degree Requirements**, see Page 40.
   **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours), See Page 40. 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 (31-33 Hours)**, see Page 47.

3. **Political Science Core Requirements (24 Hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 1110</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1120</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2110</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 302</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 304</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLS 305</td>
<td>Critical Analysis of Research</td>
<td>3</td>
</tr>
</tbody>
</table>

4. **Political Science Subfield Requirements (12 Hours)**
   Two courses from each of the following two areas:
   a. **American Government and Public Policy**
      - POLS 314 Legislative Behavior (3)
      - POLS 315 The Presidency (3)
      - POLS 321 Public Policy Process (3)
   b. **Comparative and International Politics**
      - POLS 402 Middle East Politics (3)
      - POLS 403 African Politics (3)
      - POLS 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 1110</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1120</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2110</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 302</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 304</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLS 305</td>
<td>Critical Analysis of Research</td>
<td>3</td>
</tr>
</tbody>
</table>

2. **Political Science Subfield Requirements (6 Hours)**

3. **One course (3 Hours) from each of the following two areas:**
   a. **American Government and Public Policy**
      - POLS 302 Constitutional Law (3)
      - POLS 314 Legislative Behavior (3)
      - POLS 315 The Presidency (3)
      - POLS 321 Public Policy Process (3)
   b. **Comparative and International Politics**
      - POLS 304 International Relations (3)
      - POLS 306 Contemporary Political Ideologies (3)
      - POLS 402 Middle East Politics (3)
      - POLS 403 African Politics (3)
      - POLS 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. PSCI majors may fulfill it as a second minor, but not as a first (required) minor.

Course Requirements (22 Hours)

- ANTH 1190C Survey of Forensic Sciences (4)
- BLAW 2110 Business Law and Ethics I (3)
- BLAW 2120 Business Law and Ethics II (3)
- POLS 1110 Introduction to Political Science (3)
- POLS 1120 American National Government (3)
- POLS 302 Constitutional Law (3)
- POLS 307 Law and Morality (3)

Note: PSCI majors may only use the legal studies minor as a second minor.

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 PSYC courses begin on Page 201.

DEGREE: BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.)

MAJOR: PSYCHOLOGY

1. Bachelor’s Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110 and an upper-division Diversity/Global upper-division requirement. B.A. candidates must satisfy the language requirement (6-14 Hours). See Page 40. 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 (31-33 Hours), see Page 47.

3. Psychology Course Requirements (41 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1110</td>
<td>3</td>
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<tr>
<td>PSYC 2520</td>
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<tr>
<td>PSYC 324</td>
<td>3</td>
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<tr>
<td>PSYC 350</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 402</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 467</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 484</td>
<td>2</td>
</tr>
</tbody>
</table>

Developmental Foundations – Choose one of the following four:

- PSYC 2120 Developmental Psychology (3)
- PSYC 2140 Child Psychology (3)
- PSYC 2130 Adolescent Psychology (3)
- PSYC 300 Psychology of Adult Development (3)

Theoretical Foundations – Choose one of the following two:

- PSYC 411 Theories of Personality (3)
- PSYC 443 Theories of Psychological Counseling (3)

Learning/Cognitive Foundations – Choose one of the following two:

- PSYC 302 Learning (3)
- PSYC 435 Cognition (3)

Diversity Foundations – Choose one of the following three:

- PSYC/POLS 312 Psychology of Global Political Behavior (3)
- PSYC 421 Cross Cultural Psychology (3)
- PSYC 445 Multicultural Counseling (3)

Upper-division Electives in Psychology (6 Hours).

Students must complete 6 hours of PSY electives, which must be upper division (300-/400-level).

Students may not use courses taken to fulfill psychology requirements and have those same courses also count to fulfill psychology electives.

4. Minor in a different field or a second major.

5. Electives to complete a minimum of 120 hours

DEGREE: ASSOCIATE OF ARTS (A.A.)

MAJOR: PSYCHOLOGY

1. Associate Degree Requirements, see Page 40.
   Note: Students must successfully complete FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.

2. Associate Degree General Education Requirements (31-33 Hours), see Page 47.

3. Psychology Course Requirements (21 Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1110</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2140</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2130</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must also complete 12 hours of PSYC electives.

4. Electives to complete a minimum of 64 hours
MINOR: PSYCHOLOGY

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

Psychology Requirements (18-19 Hours)
PSYC 1110 Introduction to Psychology (3)

Developmental –
Choose one of the following four:
PSYC 2120 Developmental Psychology (3)
PSYC 2140 Child Psychology (3)
PSYC 2130 Adolescent Psychology (3)
PSYC 300 Psychology of Adult Development (3)

Theoretical Foundations –
Choose one of the following two:
PSYC 411 Theories of Personality (3)
PSYC 443 Theories of Psychological Counseling (3)

Learning/Cognitive –
Choose one of the following two:
PSYC 302 Learning (3)
PSYC 435 Cognition (3)

Social/Abnormal Foundations –
Choose one of the following two:
PSYC 324 Social Psychology (3)
PSY 402 Abnormal Psychology (3)

Research Foundations –
Choose one of the following two:
POLS 305 Critical Analysis of Research (3)
PSYC 2520 Research Methods and Statistics in Psychology (4)

MINOR: DEVELOPMENTAL PSYCHOLOGY

Note: Students who earn a major in psychology may not also minor in developmental psychology.

Psychology Requirements (15 Hours)
PSYC 1110 Introduction to Psychology (3)
PSYC 2120 Developmental Psychology (3)
PSYC 2140 Child Psychology (3)
PSYC 2130 Adolescent Psychology (3)

Accelerated B.A./B.S. in Psychology to M.A. in Counseling Undergraduate/G Graduate Degree Program

Qualified students who wish to pursue graduate study in the B.A./B.S. in Psychology to M.A. in Counseling may choose to participate in an accelerated program. Undergraduate students who are admitted into the graduate program as part of an accelerated plan may take up to 12 graduate hours during the last year of undergraduate coursework. These hours will apply to both undergraduate and graduate degrees. To participate, students should apply to the Graduate School during the semester in which they will complete 90 credit hours. Admission to the accelerated program requires that students meet graduate school admission requirements with a minimum GPA of 3.0, and will be based on a review of academic performance through the time of application. Psychology students must complete PSY 350 Experimental Psychology with a grade of C or better before they may apply to the accelerated program. Once admitted, students may take up to 12 hours of graduate (500 level) courses during their senior year.

The specific courses that will count as shared credit include:
COUN 501 Professional Orientation in Counseling (3)
COUN 502 Advanced Psychopathology (3)
COUN 533 Research Seminar/Educational Research (3)
COUN 544 Theories of Counseling (3)

While in their senior year, students participating in the accelerated program must seek approval for registration from the graduate coordinator of Counseling and the graduate dean. It should be noted that students making a grade of C in a graduate course will be allowed to use the course for undergraduate degree requirements but may not be able to use that course toward the graduate degree.
## ACCOUNTING (ACCT) - LOWER DIVISION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2110</td>
<td>Principles of Accounting I</td>
<td>3</td>
<td>(Formerly ACCT 201)</td>
<td>An introduction to financial accounting concepts. Prerequisites: MATH 1220. (F, S)</td>
</tr>
<tr>
<td>ACCT 2120</td>
<td>Principles of Accounting II</td>
<td>3</td>
<td>(Formerly ACCT 202)</td>
<td>An introduction to the use of accounting information in the management decision making processes of planning, implementing, and controlling business activities. Prerequisites: ACCT 2110, MATH 1220 or 1510 or 1520. (F, S)</td>
</tr>
<tr>
<td>ACCT 305</td>
<td>Intermediate Accounting I</td>
<td>3</td>
<td></td>
<td>Accounting for inventories, property, depreciation and intangible assets. Prerequisites: ACCT 2110, 2120. (F)</td>
</tr>
<tr>
<td>ACCT 306</td>
<td>Intermediate Accounting II</td>
<td>3</td>
<td></td>
<td>Accounting for bonds, corporate capital, earnings per share and statement of cash flows. Prerequisites: ACCT 305. (F, S)</td>
</tr>
<tr>
<td>ACCT 311</td>
<td>Cost Accounting</td>
<td>3</td>
<td></td>
<td>Accounting for costs of products and services; cost analysis and estimation; relevant costs for planning, controlling and decision making. Prerequisites: ACCT 2110, 2120; MATH 1350. (S)</td>
</tr>
<tr>
<td>ACCT 342</td>
<td>Governmental and Not-For-Profit Accounting</td>
<td>3</td>
<td></td>
<td>Fundamental principles account classifications, financial statement preparation, and requirements of accounting relating to governmental-type entities and not-for-profit entities. Prerequisites: ACCT 305. (F)</td>
</tr>
<tr>
<td>ACCT 371</td>
<td>Income Tax Accounting: Individual</td>
<td>3</td>
<td></td>
<td>Federal income tax laws and regulations; preparation of income tax returns for individuals. Prerequisites: ACCT 2110, 2120. (F)</td>
</tr>
<tr>
<td>ACCT 400</td>
<td>Accounting Information Systems Theory</td>
<td>3</td>
<td></td>
<td>Introduction to the design and creation of accounting information systems with an emphasis on control and reporting in a computerized environment. Prerequisites: ACCT 2110, 2120. (F)</td>
</tr>
<tr>
<td>ACCT 403</td>
<td>Forensic Accounting</td>
<td>3</td>
<td></td>
<td>The application of investigative, litigation and analytical skills for the purpose of resolving financial issues in a manner that meets standards required by courts of law. Prerequisites: ACCT 2110, 2120. (TBA)</td>
</tr>
<tr>
<td>ACCT 421</td>
<td>Internal Auditing</td>
<td>3</td>
<td></td>
<td>Procedures and practices in the verification of amounts and records in the preparation of audit reports within the business entity. Prerequisites: ACCT 305. (TBA)</td>
</tr>
<tr>
<td>ACCT 422</td>
<td>Auditing</td>
<td>3</td>
<td></td>
<td>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)</td>
</tr>
<tr>
<td>ACCT 430</td>
<td>International and Advanced Accounting Concepts</td>
<td>3</td>
<td></td>
<td>Examination of the factors that cause accounting diversity internationally and the accounting for intercorporate investments, international transactions, and other advanced accounting topics using both US GAAP and IFRS. Prerequisite: ACCT 306. (S)</td>
</tr>
<tr>
<td>ACCT 475</td>
<td>Income Tax Accounting: Corporations, Partnerships and Fiduciaries</td>
<td>3</td>
<td></td>
<td>Federal income tax laws and regulations; tax research applications; related accounting problems for partnerships, corporations and fiduciaries. Prerequisite: ACCT 371. (S)</td>
</tr>
<tr>
<td>ACCT 489</td>
<td>Internship</td>
<td>1-3</td>
<td></td>
<td>Students may enroll in the internship course from one (1) to three (3) credit hours. Prerequisite: instructor approval. (May be repeated for a maximum of 6 hours if topics are different.)</td>
</tr>
<tr>
<td>ACCT 491</td>
<td>Directed Study</td>
<td>1-3</td>
<td></td>
<td>Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: ACCT 305; instructor, academic adviser and dean approval. (F, S, Su)</td>
</tr>
<tr>
<td>ACCT 493</td>
<td>Topics in Accounting</td>
<td>1-3</td>
<td></td>
<td>As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: ACCT 305. (TBA)</td>
</tr>
</tbody>
</table>

## ACCOUNTING (ACCT) - UPPER DIVISION

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE 202</td>
<td>History of Accounting</td>
<td>3</td>
<td></td>
<td>History of accounting as a discipline. Emphasis placed on pedagogical and instructional approaches to teaching accounting, role of technology in accounting teaching and learning, and the accounting profession today. (Even F)</td>
</tr>
<tr>
<td>ACCT 2996</td>
<td>Topics in Accounting</td>
<td>1-3</td>
<td></td>
<td>As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisites: ACCT 2110, 2120. (TBA)</td>
</tr>
</tbody>
</table>

## AGRICULTURE (AGRI/AG/AGRO/ANCS/AXED) - LOWER DIVISION

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 110</td>
<td>Varsity Rodeo</td>
<td>1</td>
<td></td>
<td>Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: instructor approval. (F)</td>
</tr>
<tr>
<td>AG 111</td>
<td>Rodeo Techniques</td>
<td>1</td>
<td></td>
<td>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)</td>
</tr>
<tr>
<td>AG 210</td>
<td>Varsity Rodeo</td>
<td>1</td>
<td></td>
<td>Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: instructor approval. (F)</td>
</tr>
<tr>
<td>AG 211</td>
<td>Rodeo Techniques</td>
<td>1</td>
<td></td>
<td>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)</td>
</tr>
<tr>
<td>AGRI 1110</td>
<td>Introduction to Agricultural Education</td>
<td>3</td>
<td></td>
<td>Formerly AG 202</td>
</tr>
</tbody>
</table>
AGRI 1120 Dairy Science (3) (Formerly AG 102) 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)

AGRI 1210 Rural Buildings and Materials (3) (Formerly AG 275) Instruction and skills development in agricultural buildings and materials. Planning, construction and maintenance of structures including topics in carpentry, electricity, plumbing, surveying and masonry. (Odd S)

AGRI 1220 Agricultural Power and Machinery (3) (Formerly AG 280) Advanced studies in mechanization skills for agricultural occupations. Agricultural engines and theory; hydraulics and farm equipment mechanics and maintenance. (Even S)

AGRI 2993 Workshop in Agriculture (1-3) (Formerly AG 268) As announced. (May be repeated for a maximum of four hours if topics are different.) (TBA)

AGRI 2996 Topics in Agriculture (1-3) (Formerly AG 293) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

AGRO 1110C Crop Science (3) (Formerly AG 203) 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)

ANSC 1120 Introduction to Animal Science (3) (Formerly AG 101) Livestock and meat industry; problems of feeding management; and development of basic skills in cattle, sheep and swine selection. (F)

ANSC 1110 Animal Science Careers (1) (Formerly AG 103) An introduction to the field of agriculture and the many career opportunities within the discipline. (F)

ANSC 1120 Introduction to Animal Science (3) (Formerly AG 101) Livestock and meat industry; problems of feeding management; and development of basic skills in cattle, sheep and swine selection. (F)

ANSC 2320 Principles of Animal Nutrition (3) (Formerly AG 250) Digestibility and nutritional values of feeds, compounding rations in the production of livestock, ration function, digestion process, requirements for maintenance and production. Prerequisite: ANSC 1120 or AGRI 1120. (F)

ANSC 2340 Genetics in Animal Science (3) (Formerly AG 260) Fundamental principles of reproduction, variation and heredity in animals. (F)

AXED 2110 Metal Fabrication (3) (Formerly AG 231) Instruction and skill development in various welding techniques, hot and cold metal work and oxy-acetylene cutting and welding. (F)

HORT 1110 Introduction to Horticulture (3) (Formerly AG 221) Identification, adaptation, propagation and maintenance of turfgrass, fruit, vegetable, nut, flowering and ornamental plants. (TBA)

SOIL 2110 Introduction to Soil Science (3) (Formerly AG 204) An overview of fundamental concepts in soil science and soils as a natural resource. Students will be introduced to the physical, chemical, and biological properties as it relates to soil management in environmental science, conservation, and agronomy. (F)

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 204, AGRO 1110C. (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 AEEC 1110 or ECON 2120. (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. (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 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: ANSC 1120. (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: ANSC 1120. (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: AGRO 1110C. (TBA)

AG 335 Ornamental and Edible Plants (3) Landscape and Olericulture industries; principles and practices of production for fruits and vegetables grown conventionally or through alternative methods such as hydroponics; ornamental landscape identification and small-scale design and use of plants and other materials to help humans relate better to the land. (S)

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: AEEC 1110 or ECON 2120. (S)

AG 348 Swine Production (3) The swine industry including breeds, nutrition, management and other issues related to large scale pig production. Prerequisite: ANSC 1120. ( Odd F)

AG 349 Small Ruminant Production (3) Sheep and goat production including breeds, management, nutrition, reproduction, and meat or wool production. Prerequisite: ANSC 1120. (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: AGRI 1120. (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: ANSC 1120. (Even S)
**AG 370 Agricultural Systems Technology (3)** Instruction and skill development in metal fabrication, construction, and mechanization for agricultural occupations. Topics include advanced welding and cutting techniques, project design, and agricultural equipment and mechanics. (Odd 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 Planning Agriculture Education Programs (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: AEEC 1110. (F)

**AG 405 Advanced Range Management (3)** Ecological, economical and management factors that preserve and utilize this natural resource. Prerequisite: AGRO 1110C.

**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 2610/L, AG 325. (Even S)

**AG 468 Workshop in Agriculture (1-3)** As announced. (May be repeated for a maximum of 4 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: 6 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 6 credits with instructor approval) (F, S, Su)

**AG 491 Directed Study (1-3)** Independent study. (May be repeated for a maximum of 4 hours.)

**AG 493 Topics in Agriculture (1-3)** As announced. (May be repeated for a maximum of 6 hours 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) – LOWER DIVISION**

**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.
ANTHROPOLOGY (ANTH) – LOWER DIVISION

(ANTH/GEOG 103, See GEOG 1130)

ANTH 1115 Introduction to Anthropology (3) (Formerly ANTH 105) Anthropology is the systematic study of the humanity both past and present. The course introduces students to the four subfields of anthropology, which include archaeology, biological, linguistic and cultural anthropology. Students will learn about the concepts and methods that anthropologists use to study our species and gain a broader perspective on the human experience. (S)

ANTH 1120C Introduction to Archaeology Lecture (3) (Formerly ANTH 245 and ANTH 245L) Archaeology is the study of the human past through the analysis of material remains humans have left behind. This course explores the basic theoretical and methodological underpinnings of the discipline, as well as the techniques that archaeologists employ to describe the empirical world, produce data, and interpret how people lived in the past. Examples of archaeological research from around the world will be used to increase students’ understanding of concepts presented in lecture. Students will also apply the archeological principles in the laboratory portion of the course. (F, S)

ANTH 1135 Introduction to Biological Anthropology (3) (Formerly ANTH 247) This course provides a basic introduction to the broad field of biological anthropology. The research interests of biological anthropologists include the history and development of modern evolutionary biology, molecular and population genetics, modern primates, the primate and human fossil record, and modern human biological diversity. Concurrent enrollment: ANTH 1135L. (Even S)

ANTH 1135L Introduction to Biological Anthropology Laboratory (1) (Formerly ANTH 247L) This laboratory course expand on the topics covered in lecture course and uses scientific methods and principles to examine evidence for the process of evolution, the nature of heredity, human evolutionary history and family tree relationships, primate ecology and behavior, and modern human diversity. Hands-on experience with fossil and skeletal material will be an important part of the learning process. Concurrent enrollment: ANTH 1135. (Even S)

ANTH 1140 Introduction to Cultural Anthropology (3) (Formerly ANTH 243) This is an introductory course that provides an overview of cultural anthropology as a subfield within the broader discipline of anthropology and as a research approach within the social sciences more generally. The course presents core concepts and methods of cultural anthropology that are used to understand the ways in which human beings organize and experience their lives through distinctive cultural practices. More specifically, this course explores social and cultural differences and similarities around the world through a variety of topics such as: language and communication, economics, ways of making a living, marriage and family, kinship and descent, race, ethnicity, political organization, supernatural beliefs, sex and gender, and globalization. This course ultimately aims to present a broad range of perspectives and practices of various cultural groups from across the globe. (F, S)

ANTH 1190C Survey of Forensic Science (3) (Formerly ANTH/Biol 125 and ANTH/Biol/Chem 125L) This course is an introduction to the field of forensic science. The goal of this course is to provide an overview of three of the specialized branches of forensic science offered at ENMU: forensic anthropology, forensic biology and forensic chemistry. Within these topics, students will be exposed to a range of different types of evidence, evidence collection methods, and evidence processing protocols. The course will be composed of a lecture and laboratory section. You are expected to understand and apply the material covered in both the lectures and the reading assignments. Online quizzes on the readings will be available prior covering the material in class, in order to help you to gauge your knowledge and improve your retention before you come to class. The labs are a supplement to the lecture topics. They will provide hands-on experience in a variety of forensic methods. (F, S)

(ANTH/CJ 255, See CJUS 2260)

ANTH 2993 Workshop in Anthropology (1-3) As announced. (May be repeated for a maximum of 6 hours.) (TBA)

ANTH 2996 Special Topics (1-3) (Formerly ANTH 293) Varies (TBA)

ANTHROPOLOGY (ANTH) – UPPER DIVISION

ANTH 310 Origins of Human Diversity (3) Explores the origins of humans and cultures through an anthropological perspective. Follows processes of human cultural change from foraging to complex societies worldwide and examines the social construction of race, gender, ethnicity and other forms of identity. Fulfills Diversity/Global upper-division requirement. (F, S)

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 anthropology, 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 Diversity/Global upper-division requirement. (Odd S)

ANTH 320 Lithic Artifact Analysis (3) Demonstrates the significance of lithic artifacts to archaeological science and the fundamental techniques of stone tool manufacture employed by humans. Students will gain skills documenting, measuring, and explaining similarities and differences in attribute characteristics of lithic archaeological assemblages using qualitative and quantitative methods, and in presenting results of analyses in an organized, professional manner. (Even S)
ANTH 333 Anthropology and the Developing World (3) Offers an anthropological perspective of development and examines how people living in the "developing world" respond to rapid social, economic, and environmental changes. Fulfills Diversity/Global upper-division requirement. (Even S)

ANTH 340 Native Cultures of North America (3) Focuses on Native North American cultures in both historic and contemporary contexts in relation to subsistence, sociopolitical organization, relationship with other groups, and identity. It also serves as a starting point to question stereotypes and critically analyze contemporary issues faced by Native peoples. Fulfills Diversity/Global upper-division requirement. (S)

ANTH 365 Archaeology of North America (3) Prehistory of the North American continent from earliest evidence of human occupation of the New World until European contact. (Odd S)

ANTH 374 Archaeological Field Methods (3) Provide students with a hands-on introduction to basic archaeological field-data recovery and focuses on skills needed to operate digital equipment (e.g., GPS and Total Data Stations) commonly used for collecting spatial data at archaeological sites, as well as near-surface geophysical survey techniques. Classroom instruction on mapping and grid systems will include an introduction to GIS software and its uses in archaeology. Prerequisites: ANTH 1120/C. (Odd 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 Geographic Information Systems for Anthropology (3) Introduces students to the theory and techniques of GIS including data capture and generation, management and analysis of spatial data, and cartographic output of spatial data. Emphasizes both GIS concepts and program operation. Concurrent enrollment: ANTH 410L. (Even F)

ANTH 410L Geographic Information Systems for Anthropology Laboratory (1) Laboratory provides hands-on experience in modern GIS software. It will afford students the opportunity to apply the material covered in the lecture section. Concurrent enrollment: ANTH 410. (Even F)

ANTH 411 Advanced 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 414 Ceramic Analysis (2) 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. Concurrent enrollment: ANTH 414L. (Odd S)

ANTH 414L Ceramic Analysis Laboratory (1) A hands-on laboratory class in the methods of archaeological ceramic analysis. Concurrent enrollment: ANTH 414. (Odd S)

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. (Even S)

ANTH 416 Applied Microscopy (2) This course provides an introduction to the use of microscopy within the fields of archaeology and forensic science. Students will be introduced to commonly used microscopes, including polarized light microscopes, stereomicroscopes and comparison microscopes. Topics will include optics theory, optical properties of samples, descriptive techniques, and identification of commonly encountered materials. Concurrent enrollment with ANTH 416L. (Even S)

ANTH 416L Applied Microscopy Laboratory (1) Use of microscopes to identify and analyze commonly encountered materials. Concurrent enrollment with ANTH 416. (Odd S)

ANTH 418 Zooarchaeology (3) Hands-on identification and analysis of animal bones versus human bones, with a focus on archaeological and forensic applications. (Odd F)

ANTH 419 Graphics for Research (1) An introduction to the graphics packages used by those in a variety of fields to address significant research questions and present results. Techniques learned will be used to develop professional-quality digital presentations such as conference posters, PowerPoint slides, electronic publications, and images. (F)

ANTH 424 Applications of Geographic Information Systems (3) Provides students with more in-depth applications of GIS software packages than basic concepts and program operation. Research objectives include analyses of spatio-temporal data sets, terrain visualization, and 3D modeling. Prerequisite: ANTH 410/L or BIOL 460. Concurrent enrollment with ANTH 424L. (Odd S)

ANTH 424L Applications of Geographic Information Systems Laboratory (1) Laboratory provides hands-on experience in modern GIS software allowing students to practice in-depth analytical applications of GIS software packages. Prerequisite: ANTH 410/L or BIOL 460. Concurrent enrollment with ANTH 424. (Odd S)

ANTH 432 Native Americans of the Southwest (3) A focus on the Native Americans of the Southwest in both historic and contemporary contexts, looking at main historical encounters and events that shaped the American Southwest. Explores the economic development of this area through trade, the interaction between different groups, the relationship to the land and conflicts related to land management, as well as the continuity of the Southwest heritage through arts and storytelling. Prerequisite: GEOG 1140 or ANTH 1140. (F)

ANTH 441 Historic Preservation (3) Federal and State laws/regulations, procedures for managing and protecting archaeological sites/artifacts, philosophical basis of historic preservation in the United States, ethical considerations; Federal and State regulatory administration. Prerequisites: ANTH 1120/C. (Odd S)

ANTH 461 Archaeology of the Southwest (3) Southwest prehistory from the initial colonization until early European contact. Prerequisites: ANTH 1120/C. (F)

ANTH 468 Workshop in Anthropology (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)
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 1120/C. May be repeated for credit but only 6 hours can be counted toward major. (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 1120/C. May be repeated for credit but only 6 hours can be counted toward major. (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. (TBA)

ANTH 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) (TBA)

ANTH 492 Anthropological Perspectives (3) The development and role of anthropology within humanities and the social sciences. Prerequisites: ANTH 1140, 1120/C, 1135/L. (Odd F)

ANTH 493 Topics in Anthropology (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

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 1140, 1120/C, 1135/L. (Even S)

ANTH 495 Fundamentals of Archaeological Theory (3) Seminar tracing the development of archaeological theoretical frameworks from the 1500s to the present, with an emphasis on contemporary theory. A capstone course for senior anthropology majors. Prerequisites: ANTH 1140, 1120/C, 1135/L. (Odd F)

ANTH 499 Senior Research Paper (3) Production of a research paper of publishable quality. Prerequisite: instructor approval. (TBA)

ART (ART/ARTH/ARTS) – LOWER DIVISION

ART 220 Typography I (3) A study of letterforms and typographic concepts as elements of graphic communication. Emphasis on developing a current, practical typographic knowledge based on industry standards. (Lab fee required) Prerequisite: ARTS 1520. (F)

ARTH 1110 Art Appreciation (3) (Formerly ART 131). This course introduces and explores visual arts, providing an awareness of the significance of the arts at personal, societal and historical levels including both fine and applied arts. (F; S, Su)

ARTH 2110 History of Art I (3) (Formerly ART 165) This survey course explores the art and architecture of ancient pre-historic cultures through the end of the fourteenth century. While focused primarily on the art of the Western civilizations, this course will also provide insights into the works of other major cultures in order to provide alternate views of art and history. Emphasis will be placed on the relationship of artworks to political, social, spiritual, intellectual, and cultural movements that affect and are affected by their creation and development. (F)

ARTH 2120 History of Art II (3) (Formerly ART 166) This survey course will explore the architecture, sculpture, ceramics, paintings, drawings, and glass objects from the 14th century to the modern era. While focused primarily on the art of the Western civilizations, this course will also provide insights into the works of other major cultures in order to provide alternate views of art and history. Emphasis will be placed on the relationship of artworks to political, social, spiritual, intellectual, and cultural movements that affect and are affected by their creation and development. (S)

ARTS 1240 Design I (3) (Formerly ART 135) This course introduces the fundamentals of two-dimensional design as it applies to fine art and commercial contexts. Emphasis will be on basic color theory, elements of dynamic composition, vocabulary of visual arts and design, and development of visual conceptual skills. Students will use a variety of materials and techniques. (Lab fee required) (F)

ARTS 1250 Design II (3) (Formerly ART 136) This course introduces the basics of basic formal (aesthetic), spatial, and physical aspects of 3-D form as they can be applied to sculptural and functional design. Techniques that explore structure, mass, volume, scale, surface, form, and function are covered, along with various media, which may include paper, wood, clay, and/or metal. (Lab fee required) (S)

ARTS 1310 Introduction to Ceramics (3) (Formerly ART 233) This course introduces the technical processes and conceptual concerns of working with ceramic material. Various methods of forming functional and expressive works out of clay are explored. Methods include handbuilding and throwing, basic clay bodies, slip and glaze, and atmospheric firing. (Lab fee required) (F, S)

ARTS 1410 Introduction to Photography (3) (Formerly ART 210) This course introduces the making of photographic images from a broad viewpoint to consider both as an art practice and as a cultural practice. The course covers technical information on camera use and functionality, composition and visual design, digital workflow and editing, professional functions of manipulating and enhancing images, and printing correctly and effectively. The historical aspects of photography are also covered. (Lab fee required) (F, S, Su)

ARTS 1520 Digital Media I (3) (Formerly ART 142) This course provides an introduction to two of Adobe's major software applications, Illustrator and Photoshop, which are essential in creating artwork, designing promotional materials, websites and more. Part of the course deals with creating a variety of documents using the major tools of each program, and gaining an understanding of the contemporary graphic industry and basic elements and principles of design. (Lab fee required) (S)

ARTS 1610 Drawing I (3) (Formerly ART 101) This course introduces the basic principles, materials, and skills of observational drawing. Emphasis is placed on rendering a 3-D subject on a 2-D surface with visual accuracy. Other topics include historical and contemporary references as well as an investigation of linear perspective, line, value, shape, space & composition. (Lab fee required) (F, S)

ARTS 1630 Painting I (3) (Formerly ART 221) This course introduces the tradition of painting as a medium for artistic expression. Students will investigate materials, tools, techniques, history and concepts of painting. Emphasis is placed on developing descriptive and perceptual skills, color theory, and composition. (Lab fee required) Prerequisites: ARTS 1610, 1240. (F)

ARTS 1810 Jewelry and Small Metal Construction I (3) (Formerly ART 271) This course introduces the basic techniques, materials, and tools traditionally used in the creation of jewelry and/or small-scale sculptural objects. (Lab fee required) (F, S, Su)
ARTS 1840 Sculpture I (3) (Formerly ART 241) This course introduces the student to a variety of medium and techniques used in the production of sculpture; along with the historic, conceptual, and esthetic foundations of the sculptural process. (Lab fee required) Prerequisite: ARTS 1250. (F)

ARTS 2120 Graphic Design I (3) (Formerly ART 212) 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) Prerequisite: ARTS 1520. (F)

ARTS 2125 Graphic Design II (3) (Formerly ART 213) Continuation of the principles and theory of graphic design. Includes digital media and page layout. (Lab fee required) Prerequisite: ARTS 2120. (S)

ARTS 2610 Drawing II (3) (Formerly ART 137) This course introduces color and colored media as an element of composition while emphasizing descriptive and perceptual drawing skills and conceptual approaches to contemporary drawing. (Lab fee required) Prerequisite: ARTS 1610. (S)

ARTS 2630 Painting II (3) (Formerly ART 222) This course focuses on the expressive and conceptual aspects of painting, building on the observational, compositional, technical, and critical skills gained previously. Students will investigate a variety of approaches to subject matter, materials, and creative processes through in-class projects, related out-of-class assignments, library research or museum/gallery attendance, written responses, and critiques. (Lab fee required) Prerequisite: ARTS 1630. (S)

ARTS 2993 Workshop in Art (1-3) As announced. (May be repeated for 6 credit hours if topics are different.) (TBA)

ARTS 2996 Topics in Art (1-3) As announced. (May be repeated for 6 credit hours if topics are different.) (Lab fee required) (TBA)

ART (ART) – UPPER DIVISION

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: ARTH 2110, 2120. (Even S)

ART 305 Non-Western Art History (3) An examination of the history and development of Non-Western visual art. Fulfills Diversity/Global upper-division requirement. Prerequisite: ENGL 1120. (Odd S)

ART 306 Watercolor Illustration (3) Introduction to watercolor techniques through illustration. Media focus will be watercolor. May be repeated for a maximum of 9 credit hours. Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisites: ARTS 1610, 1240. (S)

ART 307 Typography II (3) Examination of advanced typographic design. Study of letterforms, history, layout design and digital technology. (Lab fee required) Prerequisite: ARTS 2120. (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 9 credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ARTS 2610. (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 9 credit hours.) Repeating the course increases difficulty and may change the emphasis. Digital SLR required. (Lab fee required) Prerequisite: ARTS 1410. (F, S)

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 9 credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ARTS 1310. (F, S)

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 9 credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ARTS 1310. (F, S)

ART 324 Figure Drawing I (3) Study and development of drawing the human form, working primarily from life models. (Lab fee required) Prerequisite: ARTS 2610. (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. (Lab fee required) Prerequisite: ART 324. (S)

ART 326 Web Design I (3) Introduction to basic web design, HTML and CSS coding. Topics include aesthetics, wire framing, navigation, user experience, web page enhancement through the use of text styling, graphic and image elements. Single page and multi-page websites will be produced throughout the semester. (Lab fee required) Prerequisite: ARTS 1520. (F)

ART 327 Web Design II (3) Further examination and exploration of the topics introduced in ART 326 with a special focus on wireframe development for presentations, UX (User Experience) and ID (Interface Design) for multiple platforms. 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 326. (S)

ART 328 Digital Editing (3) Exploration of digital imaging and editing. (Lab fee required) Prerequisite: ARTS 1520. (S)

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. (Lab fee required) Prerequisites: ARTS 1520. (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. (Lab fee required) Prerequisites: ART 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: ARTS 1530. (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: ARTH 2110, 2120. (TBA)

ART 367 History of Design (3) Examination of the history and development of design from pre-history through the 21st century. Prerequisites: ARTH 2110, 2120. (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: ARTS 1520. (TBA)

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 6 credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ARTS 1520 or 1520. (TBA)

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. (Lab fee required) Prerequisite: ARTS 1410 or 1520. (TBA)

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: ARTS 2630. (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 six credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisite: ARTS 2125. (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: ARTS 1840. (S)

ART 486 Workshop in Art (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

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. (TBA)

ART 491 Directed Study (1-6) Independent study. (May be repeated for a maximum of 6 hours.) Prerequisite: instructor approval. (TBA)

ART 493 Topics in Art (1-3) As announced. (May be repeated for credit if topics are different.) (Lab fee required) (TBA)

ASTRONOMY (ASTR) – LOWER DIVISION

ASTR 1115 Introduction to Astronomy (3) (Formerly PHYS 141) This course surveys observations, theories, and methods of modern astronomy. The course is predominantly for non-science majors, aiming to provide a conceptual understanding of the universe and the basic physics that governs it. Due to the broad coverage of this course, the specific topics and concepts treated may vary. Commonly presented subjects include the general movements of the sky and history of astronomy, followed by an introduction to basic physics concepts like Newton’s and Kepler’s laws of motion. The course may also provide modern details and facts about celestial bodies in our solar system, as well as differentiation between them - Terrestrial and Jovian planets, exoplanets, the practical meaning of dwarf planets, asteroids, comets, and Kuiper Belt and Trans-Neptunian Objects. Beyond this we may study stars and galaxies, star clusters, nebulae, black holes, clusters of galaxies and dark matter. Finally, we may study cosmology -- the structure and history of the universe. Concurrent enrollment: ASTR 1115L. (F)

ASTR 1115L Introduction to Astronomy Laboratory (1) (Formerly PHYS 141L) Introduction to Astronomy Lab will include hands-on exercises that work to reinforce concepts covered in the lecture, and may include additional components that introduce students to the night sky. Concurrent enrollment: ASTR 1115. (F)

AVIATION SCIENCE (AVS) – LOWER DIVISION

AVS 110 History of 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. Prerequisite: MATH 1220 or above with a grade of “C” or higher. (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)

AVIATION SCIENCE (AVS) – UPPER DIVISION

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, S)
BIOLOGY (BIOL) – LOWER DIVISION

BIOL/ANTH/CHEM 125 – See ANTH 1190C

BIOL/ANTH/CHEM 125L – See ANTH 1190C

BIOL 1110 General Biology (3) (Formerly BIOL 113) This course introduces non-science majors to basic biological concepts including, but not limited to, the properties of life, biochemistry, cell biology, molecular biology, evolution, biodiversity, and ecology. Concurrent enrollment: BIOL 1110L. (F, S)

BIOL 1110L General Biology Laboratory (1) (Formerly BIOL 113L) This laboratory course for non-science majors compliments the concepts covered in the associated general biology lecture course. Students will learn quantitative skills involved in scientific measurement and data analysis. Students will also perform experiments related to topics such as biochemistry, cell structure and function, molecular biology, evolution, taxonomic classification and phylogeny, biodiversity, and ecology. Concurrent enrollment: BIOL 1110L. (F, S)

BIOL 1310 Introduction to Human Anatomy and Physiology I (3) (Formerly BIOL 107) This introductory course is the first of two that covers the anatomy (structure) and physiology (function) of the human body, which includes the study of basic chemistry, molecules, cells, tissues, organs, organ systems, and terminology related to these concepts. Systems covered in this course include the integumentary, skeletal, muscle and nervous systems. Concurrent enrollment: BIOL 1310L. (F)

BIOL 1310L Introduction to Human Anatomy and Physiology I Laboratory (1) (Formerly BIOL 107L) This course is the first of two that introduces laboratory exercises in regards to human anatomy and physiology of the human body. This includes histological study, biochemical processes, mammal organ dissections, and the use of models to illustrate anatomical arrangement. Concurrent enrollment: BIOL 1310. (F)

BIOL 1320 Introduction to Human Anatomy and Physiology II (3) (Formerly BIOL 108) This introductory course is the second of two that covers the anatomy (structure) and physiology (function) of the human body including the endocrine, cardiovascular, lymphatic, digestive, respiratory, urinary and reproductive systems as well as terminology related to these topics. Concurrent enrollment: BIOL 1320L. (S)

BIOL 1320L Introduction to Human Anatomy and Physiology II Laboratory (1) This course is the second of two that introduces laboratory exercises in regards to human anatomy and physiology of the human body. This includes histological study, biochemical processes, mammal organ dissections, and the use of models to illustrate anatomical arrangement. Concurrent enrollment: BIOL 1320. (S)

BIOL 1650 Wildlife Biology (3) (Formerly BIOL 110) This course introduces 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 will be emphasized. Concurrent enrollment: BIOL 1650L. (F)

BIOL 1650L Wildlife Biology Laboratory (1) (Formerly BIOL 110L) Students will gain practical experience and hands-on application of the common techniques used in wildlife and fisheries sciences. This will be accomplished through the completion of exercises, discussions, and student presentations. The field of wildlife and fisheries is becoming more and more quantitative. Therefore, students will learn how to transform the data collected in the field to the Excel format. Students will also get familiar with manipulating Google Earth and Geographic Information System and its use in wildlife sciences. Concurrent enrollment: BIOL 1650. (F)

BIOL 2110 Principles of Biology: Cellular and Molecular (3) (Formerly BIOL 154) This course introduces students to major topics in general biology. This course focuses on the principles of structure and function of living things at the molecular, cellular and organismic levels of organization. Major topics included are introduction to the scientific process, chemistry of cells, organization of cells, cellular respiration, photosynthesis, cell division, DNA replication, transcription, and translation. Concurrent enrollment: BIOL 2110L. (F, S)

BIOL 2993 Workshop in Biology (1-3) As announced. (May be repeated for a maximum of 4 hours if topics are different.)

BIOL 2996 Topics in Biology (1-3) As announced. (May be repeated for credit if topics are different.)

BIOL 2110L Principles of Biology: Cellular and Molecular Biology Laboratory (1) (Formerly BIOL 154L) This course introduces students to major topics in general biology. This course focuses on the principles of structure and function of living things at the molecular, cellular and organismic levels of organization. Major topics included are introduction to the scientific process, chemistry of cells, organization of cells, cellular respiration, photosynthesis, cell division, genetics, DNA replication, transcription, and translation. Prerequisite: General Chemistry lecture and lab, and prerequisite or corequisite. Principles of Biology: Cellular and Molecular Biology lecture. Concurrent enrollment: BIOL 2110. (F, S)
BIOL 2120 Cellular & Molecular Biology (3) (Formerly BIOL 222) This course takes a detailed look at the principles of cellular biology with an emphasis on the structure, physiology, bioenergetics, cell division, and gene expression of microbe, plant, and animal cells. Major topics include the diversity of organic molecules and macromolecules, metabolism, cellular respiration, photosynthesis, cell division, DNA replication, and protein synthesis. Major modern research tools will also be explored. This course is intended for science majors. Prerequisites: BIOL 2110/L. (F)

BIOL 2210 Human Anatomy and Physiology I (3) (Formerly BIOL 209) This course is the first of two that serve as an introduction to human anatomy and physiology for biology majors and allied health students. The course entails describing, explaining, and analyzing structure and function from the submicroscopic to the organismal level with emphasis on anatomic, directional, and sectional terminology, basic cellular structure and metabolism, tissue differentiation and characteristics, and organ system structure and function. Specifically the integumentary, skeletal, muscular, and nervous systems. Concurrent enrollment: BIOL 2210L. Prerequisites: BIOL 2110/L; CHEM 1225/L strongly recommended. (F)

BIOL 2210L Human Anatomy and Physiology I Laboratory (1) (Formerly BIOL 209L) This is the first in a series of two laboratory courses designed to introduce laboratory practices and techniques for human anatomy and physiology, from the basic cell structure through the organ system level specifically the integumentary, skeletal, muscle, and nervous systems. Specimen dissections, anatomic models, or synthetic cadavers are used and dissection is required (Co-requisite with the lecture course.) Concurrent enrollment: BIOL 2210L. (F)

BIOL 2225 Human Anatomy and Physiology II (3) (Formerly BIOL 210) This course is the second of two that serve as an introduction to human anatomy and physiology for biology majors and allied health students. The course entails describing, explaining, and analyzing structure and function from the submicroscopic to the organismal level with emphasis on specific cellular, tissue, and organ structure and physiology, and organ system structure and function specifically the endocrine, cardiovascular, respiratory, urinary, and reproductive systems. Additionally, an analysis of these concepts is included: fluid and electrolyte balance, pregnancy, growth and development from zygote to newborn, and heredity. Concurrent enrollment: BIOL 2225L. (S)

BIOL 2225L Human Anatomy and Physiology II Laboratory (1) (Formerly BIOL 210L) This is the second in a series of two laboratory courses designed to introduce laboratory practices and techniques for human anatomy and physiology, from the basic cell structure through the organ system level specifically the endocrine, cardiovascular, lymphatic, respiratory, urinary, and reproductive systems. Specimen dissections, anatomic models, or synthetic cadavers are used (Co-requisite with the lecture course). Concurrent enrollment: BIOL 2225L. (S)

BIOL 2610 Principles of Biology: Biodiversity, Ecology, and Evolution (3) (Formerly BIOL 155) This course is an introduction to the dynamic processes of living things. Major topics include the mechanisms of evolution, biological diversity, population genetics, and ecology. Concurrent enrollment: BIOL 2610L. (F, S)

BIOL 2610L Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory (1) (Formerly BIOL 155L) This laboratory course is an introduction to the dynamic processes of living things. This course introduces students to the methods used in the study of evolution, ecology, and biological diversity. Designed for students continuing in life sciences. Concurrent enrollment: BIOL 2610L. (F, S)

BIOL 2630 General Botany (3) (Formerly BIOL 216) This course is an introduction to the fundamental principles of plant biology and botanical science. Topics covered include plant biochemistry, plant and fungal cell biology, plant reproduction, plant morphology and anatomy, plant physiology, plant genetics, plant ecology, archaeal, bacterial, protistan, fungal and plant evolution. Concurrent enrollment: BIOL 2630L. Prerequisites: BIOL 1650/L or 2610/L. (S)

BIOL 2630L General Botany Laboratory (1) (Formerly BIOL 216L) This course is the laboratory course associated with the general botany lecture course. It will include an introduction to laboratory techniques dealing with plant biochemistry, plant, bacterial, and fungal cell biology, plant reproduction, plant morphology and anatomy, plant physiology, plant genetics, and plant evolution. Concurrent enrollment: BIOL 2630L. (F)

BIOLOGY (BIOL) – UPPER DIVISION

BIOL 300 Invertebrate Zoology (3) The morphology, physiology, ecology, reproduction and life habits of selected invertebrate phyla. Concurrent enrollment: BIOL 300L. Prerequisites: BIOL 1650/L or 2610/L. (F)

BIOL 300L Invertebrate Zoology Laboratory (1) Concurrent enrollment: BIOL 300L. (F)

BIOL 301 General Entomology (3) Morphology, biology and ecology of insects. Concurrent enrollment: BIOL 301L. Prerequisites: BIOL 1650/L or 2610/L. (Even S)

BIOL 301L General Entomology Laboratory (1) Concurrent enrollment: BIOL 301L. (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 1650/L or 2610/L; MATH 1350 highly recommended. (F, S)

BIOL 303L General Ecology Laboratory (1) Concurrent enrollment: BIOL 303L. (F, S)

BIOL 304 Genetics (3) Mendelian patterns of inheritance, cytogenetics, molecular genetics, basic bioinformatics and genetic engineering. Concurrent enrollment: BIOL 304L. Prerequisites: BIOL 2110/L. (F, S)

BIOL 304L Genetics Laboratory (1) Concurrent enrollment: BIOL 304L. (F, S)

BIOL 305 Evolution and Systematics (3) Fundamentals of evolutionary processes and the interpretation of phylogenetic patterns. Prerequisites: BIOL 1650/L or 2610/L. (Odd S)

BIOL 306 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 2110/L; CHEM 1215/L. (F, S)
BIOL 306L 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 1650/L or 2610/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 1650/L or 2610/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 1650/L or 2610/L, 2110/L, 2120, 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 2110/L, 2210/L, 2225/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 1650/L or 2610/L, 2110/L, 303/L; MATH 1350. (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 1650/L or 2610/L, 2110/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. Required for secondary science licensure majors; recommended for other education majors who will be teaching science topics. (Odd 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 1650/L or 2610/L, 2630/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 1650/L or 2610/L, 2110/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 1650/L or 2610/L, 2110/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 1650/L or 2610/L, 2110/L, 2630/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. (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 2210/L, 2225/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 2120, 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 425S. (S)

BIOL 427 Developmental Biology (3) Biology and genetic control of reproduction and development of the embryo. Prerequisite: BIOL 2120, 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 1650/L or 2610/L, 303/L. (Even S)

BIOL 431 Mammalogy (3) Biology and classification of mammals. Occasional weekend field trips scheduled. Concurrent enrollment: BIOL 431L. Prerequisites: BIOL 1650/L or 2610/L, 2110/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. Prerequisites: BIOL 2210/L, 2225/L. Recommended: Concurrent enrollment in Neurobiology (BIOL 433) (Even S)
BIOL 433L Autonomic Nervous System (2) A detailed clinical study of the Autonomic Nervous System (ANS) and the pathological conditions associated with disease progression. Covers the fundamental understanding of the normal and pathological physiological functions of the sympathetic and parasympathetic nervous systems. The students will learn clinical techniques for measuring the ANS regulatory signals and hormonal regulation. Key information from anatomy, physiology, pathology, pharmacology, and clinical medicine is integrated into the presentations and laboratory techniques. This is an upper division/graduate course requiring an advanced understanding of several areas of science such as neuroanatomy, chemistry, cell biology and physics. Prior knowledge of biochemistry would be useful. The prerequisites are necessary for the student to be properly prepared for this course. Prerequisites: BIOL 2210/L, 2225/L. Recommended: Concurrent enrollment in Neurobiology (BIOL 433). (Even S)

BIOL 435 Bioinformatics (3) Fundamental concepts and methods in bioinformatics, a field at the intersection of biology, chemistry and computing. An overview of the methods and computational tools for high-throughput modeling, sequencing and searching of genomic and proteomic data. Prerequisites: CS 120, BIOL 304/L, CHEM 452. (S)

BIOL 436 Ichthyology (3) Biology and classification of fishes. Occasional field trips. Concurrent enrollment: BIOL 436L. Prerequisites: BIOL 1650/L or 2610/L, 2110/L. (Odd S)

BIOL 436L Ichthyology Laboratory (1) Concurrent enrollment: BIOL 436L. (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 1650/L or 2610/L, 2110/L. (Even S)

BIOL 442L Ornithology Laboratory (1) Concurrent enrollment: BIOL 442L. (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 1650/L or 2610/L, BIOL 2110/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 6 hours if topics are different.)

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 4 hours.) (F, S, Su)

BIOL 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 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.

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: junior standing. (F, S, Su)

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 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: AECC 1110 or ECON 2120. (F)

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: BLAW 2110. (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: BLAW 2110. (Even S)

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; BFIN 318; MKTG 425. (F, S)

BUS 489 Internship (1-3) Students may enroll in the internship course from one (1) to three (3) credit hours. For each credit hour, a minimum of 55 clock hours on-the-job experience related to the discipline must be completed. Grading is satisfactory/unsatisfactory. Check with the academic adviser for internship guidelines and specific requirements. Prerequisites: instructor, academic adviser and dean approval. (F, S, Su)

BUS 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: instructor, academic adviser and dean approval. (F, S, Su)

BUS 493 Topics in Business Administration (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: instructor approval.

CAREER AND TECHNICAL EDUCATION (CTE)

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 6 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 4 hours.)

CTED 493 Topics in CTE (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.)

CULINARY ARTS (CA) – LOWER DIVISION

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)
CULINARY ARTS (CA) – UPPER DIVISION

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 335 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 liaising 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 6 hours.) (F, S, Su)

CA 493 Topics in Culinary Arts (1-3) As announced. (May be repeated for a maximum of 6 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 adviser. Students will prepare a report detailing their experience. Students are required to have the internship approved by their adviser. (F, S, Su)

COMMUNICATIVE DISORDERS (CDIS, SIGN) – LOWER DIVISION

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 2293 Workshop in Communicative Disorders (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) Workshops are designated for Satisfactory/Unsatisfactory grading.

CDIS 2296 Topics in Communicative Disorders (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.)

SIGN 1110 American Sign Language I (3) Formerly CDIS 144 American Sign Language I is an introductory level language course in the language of the American Deaf Culture. Content includes ASL vocabulary and conversational skills; linguistic features of ASL, and skills in narrative/storytelling. In class activities, comprehension and expressive examinations, narrative and storytelling assignments in addition to semester projects are venues for students to demonstrate their learning. In addition, Deaf Culture and Deaf Community issues are addressed. (F)

SIGN 1120 American Sign Language II (3) Formerly CDIS 244 American Sign Language II is a continuation course that builds on concepts and skills developed in American Sign Language I. Students gain further exposure to ASL structure and grammar, and Deaf Culture and the Deaf community. Emphasis is on increasing students’ ability to comprehend other signers and express themselves with more elaboration when conversing or presenting in ASL. Prerequisite: SIGN 1110. (S)
COMMUNICATIVE DISORDERS (CDIS) – UPPER DIVISION

**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 301 Survey of Communicative Disorders (3) (Formerly CDIS 243)** 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 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 Phonetetics/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 323 Multicultural Issues in Communication Disorders (3)** Understanding of cross-cultural differences in communication styles, belief systems, socioeconomic circumstances, and linguistic variables that may impact speech-language pathology and other medical services to member of specific culturally and linguistically diverse groups. (F)

**CDIS 324 Literacy Development and Disorders (3)** Characteristics, risk factors, and other difficulties associated with disorders of written language (reading and writing); specific emphasis on assessing literacy skills and remediation techniques and strategies. (S)

**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 350 Survey of Autism and Augmentative and Alternative Communication (3)** Introduction to the history, theories on etiology, and current interventions and support of communication deficits in Autism Spectrum Disorders. Augmentative and Alternative communication assessment and intervention strategies for Autism Spectrum Disorders and other populations will also be addressed. (S)

**CDIS 353 Survey of Voice and Fluency (3)** This course is designed to provide an overview of the theoretical and clinical issues related to the diagnosis and management of voice and fluency disorders. Prerequisite: CDIS 300. (Su)

**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. (Su)

**CDIS 434 Aural Rehabilitation (3)** This course will address the effects of hearing loss in adults and children. Considerations in the management of deaf and hard-of-hearing children and adults, including amplification, communication options, client/caregiver education, and treatment. Prerequisites: CDIS 342 is recommended but not required. (F, S)

**CDIS 441 Speech-Language Preclinical (2)** Clinical foundations course to introduce the basic concepts of speech-language and/or aural habilitation/rehabilitation therapy services including evidenced based practice and clinical documentation. Prerequisites: CDIS 311, 332. Concurrent enrollment: CDIS 441L. (F, S, Su)

**CDIS 441L Preclinical Observation Laboratory (1)** Completion of 30 hours of clinical observations in speech-language pathology. If students withdraw from CDIS 441, they must withdraw from the lab. Concurrent enrollment in or previous successful completion of CDIS 441. (F, S, Su)

**CDIS 442 Telepractice (1)** Principles of telepractice and establishing/conducting services to provide intervention. Technology, media platforms, methods, and materials will be included, as will issues of HIPAA compliance, billing, and licensure across states. (S)

**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: instructor approval. (May be repeated for a maximum of 2 credits). (F, S)

**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 2 credits). (F, S)
**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 Research and Evidence Based Practice (3)**
Introduction to the principles of CDIS research with an emphasis on reading and interpreting professional journal articles. Topics include constructing PICO based research questions, critical analysis of peer reviewed research for evidenced based practice/conclusions, and response to intervention evaluations. Academic writing is required. (F)

**CDIS 468 Workshop in Communicative Disorders (1-3)**
As announced. (May be repeated for a maximum of 6 hours if topics are different) Workshops are designated for S/U grading.

**CDIS 473 Survey of Swallowing, Motor Speech, and Aphasia (3)**
This course is an introduction to neurological disorders of speech, language, cognition and swallowing. Etiologies, diagnoses, assessment, and treatment methods will be reviewed. The normal aging process in adults and the effects of aging on communication systems will be covered with an emphasis on aphasia, dysarthria, apraxia of speech, right hemisphere disorder, traumatic brain injury, dementia, and dysphagia. Prerequisite: CDIS 421. (Su)

**CDIS 477 Professional Writing in Communication Disorders (3)**
Clarifying, reducing, expanding and synthesizing materials for professional documents, high quality reports, and proposals in speech-language pathology. Audience adaptation, organization, style and mechanics explored. Editing and clinical applications emphasized. Significant analytical term report required. (F)

**CDIS 480 Case Studies in Communication Disorders (3)**
This case based course is designed to improve professional report writing skills in speech-language pathology. Students will administer, score, analyze, and synthesize the results of formal and informal evaluations to compose professional reports and plans of care for pediatric through geriatric populations across a variety of disorders. Prerequisite: CDIS 454 (may be taken concurrently). (F)

**CDIS 488 Seminar in Speech Language Pathology (2)**
This course is designed to prepare CDIS majors for life after graduation. Topics include the process for finding and applying to graduate school; obtaining resources to find graduate programs that best fit the student's interest; preparation, and review for the GRE, the process for obtaining letters of recommendation; writing effective resumes for graduate school and/or careers in the field of speech-language pathology and/or audiology, as well as for related career fields; and interviewing tips and practice for potential graduate admission and/or jobs after graduation. Additionally, options for students who do not get admitted to a graduate program will be considered. (S)

**CDIS 489 Internship in Communicative Disorders (1-6)**
For each credit hour, a minimum of 25 clock hours of supervised fieldwork must be completed under the supervision of a certified speech-language pathologist. Students may not complete an internship at a site at which they are employed. Variable credit dependent on the hours completed and supporting academic assignments. Grading is S/U. (May be repeated for a maximum of 6 credits.) Fieldwork hours accrued cannot be used to satisfy clinical practicum clock hour requirements as specified for ASHA certification. Prerequisites: 3.00 GPA in the major; adviser, department chair and agency approval; internship application must be completed and approved the semester prior to the internship. (F, S, Su).

**CDIS 491 Directed Study (1-3)**
Independent study. (May be repeated for a maximum of 4 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 6 hours if topics are different.)

### CHEMISTRY (CHEM) – LOWER DIVISION

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<td>CHEM 1100L</td>
<td>Chemistry in Our Community Laboratory (1)</td>
<td>CHEM 1110 or MATH 1520 or MATH 1430 with a grade of “C” or higher</td>
<td>(Formerly CHEM 113L) This course will introduce nonscience majors to the basic chemistry required to understand topics of current interest affecting their communities, such as air and water quality, global climate change, use of fossil fuels, nuclear power, and alternative energy sources. Experiments will illustrate chemical principles and acquaint students with scientific methods, and to critically evaluate scientific claims as presented in the media and in other communicative forums. Concurrent enrollment: CHEM 1110L. (F, S)</td>
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<tr>
<td>CHEM 1110 Chemistry in Our Community (3)</td>
<td>CHEM 1110 Chemistry in Our Community (3)</td>
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<td>(F, SU)</td>
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<tr>
<td>CHEM 1110 Chemistry in Our Community Laboratory (1)</td>
<td>CHEM 1110 Chemistry in Our Community Laboratory (1)</td>
<td>CHEM 1110 or MATH 1520 or MATH 1430 with a grade of “C” or higher</td>
<td>(Formerly CHEM 113L) This course will introduce nonscience majors to the basic chemistry required to understand topics of current interest affecting their communities, such as air and water quality, global climate change, use of fossil fuels, nuclear power, and alternative energy sources. Experiments will illustrate chemical principles and acquaint students with scientific methods, data processing, critical thinking and scientific writing. Prerequisite: Concurrent enrollment in or previous successful completion of CHEM 1110. (F, S)</td>
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<tr>
<td>CHEM 1215 General Chemistry I for STEM Majors (3)</td>
<td>CHEM 1215 General Chemistry I for STEM Majors (3)</td>
<td></td>
<td>(Formerly CHEM 151L) General Chemistry I Laboratory for Science Majors is the first semester laboratory course designed to complement the theory and concepts presented in General Chemistry I lecture. The laboratory component will introduce students to techniques for obtaining and analyzing experimental observations pertaining to chemistry using diverse methods and equipment. Concurrent enrollment: CHEM 1215. (F, S)</td>
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CHEM 1225 General Chemistry II for STEM Majors (3)  
(Formerly CHEM 152) This course is intended to serve as a  
continuation of general chemistry principles for students  
enrolled in science, engineering, and certain preprofessional  
programs. The course includes, but is not limited to a  
thoretical and quantitative coverage of solutions and  
their properties, kinetics, chemical equilibrium, acids  
and bases, entropy and free energy, electrochemistry, and  
nuclear chemistry. Additional topics may include (as time  
permits) organic, polymer, atmospheric, and biochemistry.  
Prerequisites: CHEM 1215/L. Concurrent enrollment: CHEM  
1225L. (F, S)

CHEM 1225L General Chemistry II Laboratory for STEM  
Majors (1) (Formerly CHEM 152L) General Chemistry II  
Laboratory for Science Majors is the second of a two semester  
sequence of laboratory courses designed to complement  
the theory and concepts presented in General Chemistry II  
lecture. The laboratory component will introduce students  
to techniques for obtaining and analyzing experimental  
observations pertaining to chemistry using diverse methods  
and equipment. Concurrent enrollment: CHEM 1225. (F, S)

CHEM 2310 Quantitative Analysis (3) (Formerly CHEM  
233) Analytical Chemistry is the science of chemical  
characterization. In this course, you will learn how particular  
chemical species of interest can be detected and how the  
amounts of those species can be determined. You will learn  
how chemical characterization involves chemical reactivity,  
physical measurement, and data interpretation. All these  
aspects of chemical characterization will be explored in  
lecture, reading, and problem solving. The study of precise and  
reliable chemical characterization is fundamental to further  
study and practice in chemistry, biology, medicine, geology,  
geography, environmental science, and many other related fields.  
The understanding of the methods and limitations of chemical  
characterization is helpful in making informed judgments  
on a large variety of social and political issues. Prerequisites:  
CHEM 1225/L, MATH 1220 with a grade of “C” or higher.  
Concurrent enrollment: CHEM 2310L. (S)

CHEM 2310L Quantitative Analysis Laboratory (1) (Formerly  
CHEM 233L) Techniques and approaches to quantitative  
chemical analysis. Prerequisites: CHEM 1225/L. Concurrent  
enrollment: CHEM 2310. (S)

CHEM 2993 Workshop in Chemistry (1-3) (Formerly CHEM 268)  
As announced. (May be repeated for maximum of four hours  
credit if topics are different.)

CHEM 2996 Topics in Chemistry (1-3) (Formerly CHEM 292)  
As announced. (May be repeated for credit if topics are different.)

CHEMISTRY (CHEM) – UPPER DIVISION

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  
1215/L. Concurrent enrollment: CHEM 321L. (F)

CHEM 321L Inorganic Chemistry Laboratory (1) Inorganic  
synthesis and analysis. Three hours laboratory per week.  
Prerequisite: CHEM 1215/L. Concurrent enrollment: CHEM  
321. (F)

CHEM 341 Organic Chemistry I (3) Hybrid orbitals, chemical  
bonds, functional groups, alkanes, stereochemistry, alky  
halides, alcohols and ethers and epoxides, NMR and IR and  
MS. Prerequisites: CHEM 1225/L. Concurrent enrollment:  
CHEM 341L. (F)

CHEM 341L Organic Chemistry I Laboratory (1) Three  
laboratory hours per week. Concurrent enrollment: CHEM  
341L. (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  
biocatalysis and bioanalysis 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 401L. (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: ANTH 1190 and CHEM 342/L.  
Recommended: CHEM 2310/L. (Even S)

CHEM 411 Physical Chemistry/Thermodynamics (3)  
Thermodynamics, kinetics and special topics. Prerequisites:  
CHEM 1225, PHYS 1230, MATH 1510 or 1420. Recommended:  
PHYS 1240, MATH 1520 or 2530, and CHEM 2310/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 2520 and PHYS 1230. Recommended: PHYS 1240. (Even S)

CHEM 450 Instrumental Analysis (3) 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  
2310/L. (F)

CHEM 450L Instrumental Analysis Laboratory (1) One three- 
hour laboratory meetings per week. Concurrent enrollment:  
CHEM 450. Prerequisites: CHEM 2310/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 341/L and BIOL 2110/L with a grade of “C”  
or higher. Recommended: CHEM 342/L. (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 1215/L, 1225/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 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)

CHEM 499 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)

CRIMINAL JUSTICE (CJUS) – LOWER DIVISION

(CJ/ANTH 255, See CJUS 2260)

CJUS 1110 Introduction to Criminal Justice (3) (Formerly CJ 102) This course provides an overall exploration of the historical development and structure of the United States criminal justice system, with emphasis on how the varied components of the justice system intertwine to protect and preserve individual rights. The course covers critical analysis of criminal justice processes and the ethical, legal, and political factors affecting the exercise of discretion by criminal justice professionals. (F, S)

CJUS 1140 Juvenile Justice (7) (Formerly CJ 240) This course covers the diversity of the informal and formal juvenile justice system, the process of identifying delinquent behavior, the importance of legislation, law enforcement, courts, diversion, referrals, and juvenile correctional facilities. Prerequisite: SOCI 1110 or CJUS 1110. (F)

CJUS 2140 Criminal Investigations (3) (Formerly CJ 258) This course introduces criminal investigations within the various local, state, and federal law enforcement agencies. Emphasis is given to the theory, techniques, aids, technology, collection, and preservation procedures which insure the evidentiary integrity. Courtroom evidentiary procedures and techniques will be introduced. (F, S)

CJUS 2150 Corrections System (3) (Formerly CJ 245) This course introduces the corrections system in the United States, including the processing of an offender in the system and the responsibilities and duties of correctional professionals. The course covers the historical development, theory, and practice, as well as the institutional and community based alternatives available in the corrections process. Prerequisite: SOCI 1110 or CJUS 1110. (S)

CJUS 2260 Forensic Anthropology (Formerly CJ 255) Forensic anthropology is a specialized field of study in forensic science, which focuses on the examination of the human skeleton in a legal context. In this course, we will BRIEFLY review the bones of the body so that you are able to understand the most basic terminology of the field. For the most part, we will examine how forensic anthropology functions within criminal investigation, including how we locate, recover, document and analyze the bones to decipher individualizing characteristics and signs of damage or trauma. Finally, we will cover how to apply these techniques to a criminal investigation.

CJUS 2320 Gangs in American Society (3) (Formerly CJ 225) Study of juvenile and adult groups that have joined together to engage in delinquent and criminal acts. (Even F)

CJUS 2340 Victimization In American Society (3) (Formerly CJ 234) 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. (S)

CJUS 2993 Workshop in Criminal Justice (1-3) (Formerly CJ 268) As announced. (May be repeated for a maximum of 6 hours if topics are different) (TBA)

CJUS 2996 Topics in Criminal Justice (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

CJUS 301 Criminal Law and the Courts (3) The role of the courts in the criminal justice system, including substantive and procedural considerations. (F, S)

CJUS 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 CJUS 302L is required. (S)

CJUS 302L Advanced Criminal Investigations Laboratory (1) Concurrent enrollment with CJUS 302. (S)

CJUS 309 Homicide (3) Study of patterns and trends in homicide with emphasis on serial, spree killings and mass murder. (S)

CJUS 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)

CJUS 312 Criminology (3) Overview of theoretical perspectives applied to crime causation, crime, criminal behavior, and punishment. Includes contemporary issues in the criminal justice system, including measurement of crime and crime rates. Prerequisite: SOCI 1110 or 2310 or CJUS 1110. (F, S)

CJUS 401 Terrorism and Counter-Terrorism (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)

CJUS 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. (F)

CJUS 403 Women and Crime (3) Women and their involvement and experiences in the criminal justice system as victims, offenders and employees. (F)

CJUS 404 Border Crime (3) An examination of the nature and scope of crime along the United States-Mexico border, evaluating strategies and programs employed by both governments to control criminal activity. Emphasis on drug interdiction, immigration and drug-related violence. (Even S)

CJUS 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: SOCI 1110 or CJUS 1110. (F)

CJUS 457 Probation and Parole (3) Study of law, theory and practice of releasing supervised offenders back into the community. Prerequisite: CJUS 1110. (S)
COMM 206 Graphics for Television/Video (3) This course will develop necessary skills needed in broadcast production through hands-on projects and "real world" activities, to include designing still graphics for television production, designing animation elements for television production, incorporating graphic elements with live video, live character generation/Chyron operation, and processing video for web publication. (Lab fee required) (F)

COMM 1120 Beginning Television Production (3) (Formerly COMM 110) An introduction to the principles and techniques of studio production for television. This includes producing, directing, camera, lighting, switching, sound and graphic design. Course covers the technical and creative aspects of the television production process and the basics of non-linear editing. (Lab fee required) (F, S)

COMM 1130 Public Speaking (3) (Formerly COMM 102) This course introduces the theory and fundamental principles of public speaking, emphasizing audience analysis, reasoning, the use of evidence, and effective delivery. Students will study principles of communication theory and rhetoric and apply them in the analysis, preparation and presentation of speeches, including informative, persuasive, and impromptu speeches. (F, S)

COMM 1140 Introduction to Media Writing (3) (Formerly COMM 205) Combines a theoretical foundation with practical applications. It provides an introduction to journalism, as well as an overview of the most common types of writing required in public relations, advertising and strategic communication. (Lab fee required) Prerequisites: ENGL 1110. (F, S)

COMM 1150 Introduction to Mass Communication (3) (Formerly COMM 103) This course introduces students to the history, models, theories, concepts, and terminology of mass communication, focusing on various media and professions. The course will enable students to develop media literacy skills to interpret mass communication and understand the effects of media on society and their lives. (F, S)

COMM 2120 Interpersonal Communication (3) (Formerly COMM 101) This course provides an introduction to the study of interpersonal communication. Students will examine the application of interpersonal communication in personal and professional relationships. (F, S, Su)

COMM 2140 Small Group Communication (3) (Formerly COMM 202) Explores the principles and practices of effective participation in small groups, with emphasis on critical thinking, problem solving, organizational skills, role theory, conflict resolution, and creative decision-making methods. It combines a theoretical foundation with practical application to help students better understand the dynamics of group communication in both professional and social contexts. (F, S, Su)

COMM 2182 Introduction to Public Relations (3) (Formerly COMM 260) 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 2210 Audio Production (3) (Formerly COMM 210) Basic orientation of principles and techniques of radio and television audio production equipment. Course includes technical and creative use of microphones, mixing consoles, music, sound effects and recorders for radio, television and film soundtracks. (Lab fee required) (S)

COMM 2220 Intermediate Television Production (3) (Formerly COMM 220) Emphasis on electronic field production (EFP), and post production editing. Principles and techniques of single-camera field production for television, including camera and lighting. Nonlinear editing includes continuity editing for informational and dramatic television forms. This class will concentrate on the use of Adobe Premiere Pro CC non-linear editing software. (Lab fee required) Prerequisite: COMM 1120. (F)

COMM 2230 Digital Photography (3) (Formerly COMM 212) This course provides instruction in digital photography, emphasizing the relationship between new digital imaging processes and color photographic techniques. Assigned reading and class discussion will address contemporary issues in art and digital photography. Examination of the functions of light and color, crucial elements in the context of image capture, will be central to the course. Assignments will require the generation and alteration of digital photographs, with some emphasis on montage techniques. The course includes instruction in camera operation, scanning processes, lighting, image editing software, digital workflow, and output for print. Cameras are available for checkout through the COMM department. (Lab fee required) (F)

COMM 2993 Workshop in Communication (1-3) (Formerly COMM 268) As announced. (May be repeated for a maximum of six hours with permission of department chair.) (TBA)

COMM 2996 Topics in Communication (1-3) (Formerly COMM 293) As announced. (May be repeated for credit if topics are different.) (TBA)

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; cameras available for checkout through department. (Lab fee required) Prerequisites: COMM 1120, 2220, 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 1140, 2182. (S)

COMM 304 Multi-Media Storytelling (3) This course emphasizes advanced multi-media storytelling techniques. Students will be introduced to hands-on training under deadline in writing news stories for both traditional 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 in-depth and investigative journalism. (Lab fee required) Prerequisites: COMM 1140. (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 Diversity/Global upper-division requirement. (Su)COMM

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; cameras available for checkout through department. (Lab fee required) Prerequisites: COMM 2210, 2220, or FDMA 1620. (S)

COMM 312 Copy Editing (3) Skills-oriented class focusing on copy reading and editing, print/online design, and headline writing with heavy emphasis on AP style, story structure, news judgment, fairness, professional writing standards, data and statistics, constructive evaluation of work, basic page layout and design. (Lab fee required) (Even S)

COMM 313 Introduction to Research Design (3) This course introduces students to the fundamental ideas, concepts, and approaches to research. We will examine key components of communication re-search and explore how to design a research project. Students will be introduced to social scientific research methods as well as qualitative research. We will discuss literature review, sampling method, research questions, hypotheses development, and research methods. (F)

COMM 314 Social Media in Public Relations (3) This course introduces students to the strategic use of social media in public relations. More importantly, we will explore how to cultivate relationships by harnessing interactive potentials of social media. Students will get hands-on training in social media campaign design, message development, engagement and customer relationship, branding, and crowdsourcing. (Lab fee required) (F)

COMM 315 Social Media Analytics (3) Social media have transformed the ways organizations use data to deliver their services, project future trends, manage reputations, build relationships, and tackle crisis and risk communication. This course introduces students to social media analytics to extract, analyze, and evaluate social data for strategic communication. Social media analytics help organizations to track and monitor real-time social conversations, brand awareness, public sentiment, reach, and audience analysis. Data analytics enhance organizational listening capabilities to cultivate sustain-able relationships with customers. This course will train students about the key concepts and algorithm-driven analytics tools to leverage social data for strategic planning. (Lab fee required) (S)

COMM 317 Broadcast Journalism (3) Provides a comprehensive introduction to writing for radio and television news, including straight and feature stories, for a variety of news events. Interviewing, news gathering, and writing effective leads for broadcast stories also will be studied. (Lab fee required) Prerequisites: COMM 1120, 1140. (F)

COMM/PSCI 330 Power Games: Politics and Media (3) Focuses on the role of the mass media in the United States with respect to politics and political power, how they cover and influence the interactions between political players, the public, and various branches of government, exploring the reasons for the choice of events, issues and individuals covered by the media, and how they are covered; also includes the question of media bias, the influence of social media in political campaigning and policy-making, and how the media operates and are regulated by law under the First Amendment. Fulfills Diversity/Global upper-division 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 Diversity/Global upper-division 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. (S)

COMM 340 Sports Communication (3) Introduction to the field of sports writing and broadcasting, including the history of U.S. sports coverage and professional communication techniques for a variety of college and professional sports, including reporting and announcing; cameras available for checkout through department. Key issues facing athletes and producers are also studied. (Lab fee required) (Odd S)

COMM 344 (A-D) 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. (Lab fee required) (A-D)

COMM 360 (A-C) 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 1140. (Lab fee required) (A-C)

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) (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) (F)

COMM 410 Writing for Media Capstone (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. Students will engage not simply in writing and reading assignments applicable to the myriad media evolutions, but audio, video, graphic and photographic applications will be discussed and assimilated into the course. Likewise, students will explore the cultural, social, and ethical implications of working within these various frameworks. (Lab fee required) (S) Prerequisite: COMM 303 or 304 or 327. (S)

COMM 412 Photojournalism (3) Focuses on photos as effective tools of communication for print and online platforms, with an emphasis on storytelling with photos, shooting on deadline, news, features, sports, photo essays, 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; cameras available for checkout through department. (Lab fee required) Prerequisites: COMM 1140, 2230. (S)

COMM 415 Law and Ethics (3) Discussion of law and ethical issues media professionals encounter in the communication field. Study will involve application of theory and law, case studies and ethical/legal dilemmas and contemporary problems. (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 1140, 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 2220. (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) Prerequisite: COMM 303. (F)

COMM 468 Workshop in Communication (1-3) As announced. May be repeated for a maximum of six hours with department chair approval. (TBA)

COMM 470 Interpersonal Communication and Relationships (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. (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. (Su)

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. (Su)

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 6 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. (TBA)

COMM 493 Topics in Communication (1-3) As announced. May be repeated for credit if topics are different. (TBA)

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. (Lab fee required) (F, S)

**COMPUTER SCIENCE (CS) – LOWER DIVISION**

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 120 Introduction to Computer Programming (3) Introduction to computer programming using Python in a Linux environment. (F)

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, S)

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. (F)

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 6 hours if topics are different.) (TBA)
CS 288 Cooperative Education (1-3) Practical experience at a cooperating institution. Prerequisite: instructor approval. (TBA)

CS 293 Topics in Computer Science (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

COMPUTER SCIENCE (CS) – UPPER DIVISION

CS 301 Programming Language Concepts (3) General concepts underlying the design and implementation of programming languages. Introduction to programming paradigms. Prerequisite: CS 123. (Odd F)

CS 357 Data Structures (3) Specification, implementation and analysis of linear and tree structures. Prerequisite: CS 123. (S)

CS 359 Database Design and Programming (3) Use of relational and object-oriented databases for storing and manipulating data. Topics include relational theory, data modeling, logical organization of data, database management systems (DBMS), NoSQL databases, and query languages. Hands-on work in the creation of simple databases, inputting data and developing basic queries. Prerequisite: CS 357. (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. Prerequisites: CS 123, 220. (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 S)

CS 468 Workshop in Computer Science (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

CS 472 Software Engineering (3) Ideas and techniques for designing, developing and modifying large software systems. Object-oriented and agile techniques. Topics include software specification, design, testing, debugging, version control, documentation, and maintenance; team implementation of a software project. Prerequisite: CS 234. (Even S)

CS 488 Cooperative Education (1-3) Practical experience at a cooperating institution. Prerequisite: instructor approval. (TBA)

CS 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval. (TBA)

CS 493 Topics in Computer Science (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

DANCE (DANC/DNC)

DANC 1110 Introduction to Dance (3) (Formerly DNC 101) This course introduces the student to the diverse elements that make up the world of dance, including a broad historic overview, roles of the dancer, choreographer and audience, and the evolution of the major genres. Students will learn the fundamentals of dance technique, dance history, and a variety of dance aesthetics. (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. (TBA)

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 4 hours.) Prerequisite: instructor approval. DNC 493 Topics in Dance (3) As announced. (May be repeated for credit if topics are different.)

DIGITAL FILMMAKING (FDMA) – LOWER DIVISION

FDMA 1140 Dramatic Analysis (3) (Formerly DFM 115) We will read representative plays and explore basic elements of the dramatic text, a foundational step for all theatre and film artists. The class format is lecture/discussion. You are expected to contribute to class discussions by way of an informed reading of the assigned material. (S)

FDMA 1525 Introduction to Filmmaking (3) (Formerly DFM 105) An introduction to the study and practice of filmmaking. Students will study the formal elements of film through close-reading of significant short films and relevant excerpts from feature-length films. Introductory study is enriched through the applied practice of hands-on filmmaking exercises. (Fee required) (F)

FDMA 1620 Location Shooting (3) (Formerly DFM 110) 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)

FDMA 2110 Introduction to Film Studies (2) (Formerly DFM 109) This course introduces students to the fundamentals in film history, criticism, and theory. Though viewing and analysis of a variety of narrative, documentary, and experimental films, students will advance their understanding of key issues in filmic representation and aesthetics. A range of approaches will be employed in understanding the aesthetic and cultural significance of the medium, including feminism, post-colonialism, critical race theory, and modernism. Must be taken concurrently with FDMA 2110L. (S)

FDMA 2110L Introduction to Film Studies Laboratory (1) (Formerly DFM 109L) Most of us watch films for entertainment and enjoyment. We are constantly aware of the "content" of the film: characters, plot, dialogue, etc.. This class challenges you to become aware of the formal elements of film and to learn to use those elements to "read" a film as a text. Students will be able to argue larger thematic meanings of films, independent of the surface, content-based meaning. Must be taken concurrently with FDMA 2110. (S)

FDMA 2830 DFM Forum (NC) (Formerly DFM 210) 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)

FDMA 2996 Topics in Filmmaking (1-3) (Formerly DFM 293) As announced. Fee required. (May be repeated for credit if topics are different.) (TBA)
DIGITAL FILMMAKING (FDMA) –
UPPER DIVISION

FDMA 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)

FDMA 312 Designing the Shot (3) Use of design principles to better tell the story through composition, camera movement and art direction. Prerequisite: FDMA 1620. (Fee required) (Odd F)

FDMA 313 Advanced Lighting for Digital Filmmaking (3) Practical and creative issues for lighting on location and in the studio. Prerequisite: FDMA 1620. (Fee required) (Even F)

FDMA 314 Production Sound for Digital Filmmaking (3) Planning and executing the acquisition of production sound including dialogue, environmental sound and sound effects. (Fee required) (Odd F)

FDMA 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: MUSC 2310. (Fee required) (Odd S)

FDMA 340 Writing the Screenplay (3) Screenwriting for short-form narrative using preproduction software. Students will learn: fundamental screenplay format for narrative films and translating stories and storytelling ideas into the visual medium of film. (S)

FDMA 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: FDMA 312, 314; THEA 2210. (Fee required) (Odd F)

FDMA 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: FDMA 1620 or COMM 1120. (Fee required) (Odd S)

FDMA 361 Writing the Feature-Length Screenplay (3) Introduction to writing long form narrative. In this workshop, students will develop, pitch, outline, and write the first draft of an original feature-length script. Students will be required to use Final Draft software. Prerequisite: FDMA 340 (Odd F)

FDMA 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: FDMA 1620, FDMA 340. (Fee required) (F)

FDMA 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: FDMA 312, 313, 314, 375. (Fee required) (S)

FDMA 377 Experimental Film (3) Artists of all mediums are invited to explore film and video beyond traditional narrative constraints. Students will have a chance to produce unique and personal works. (Fee Required) (Even S)

FDMA 378 Creating the Web Series (3) Introduction to episodic storytelling. Students will work as a group to develop, write and produce a short narrative, single camera series for web distribution. Prerequisite: FDMA 1620 (Fee Required) (Odd S)

FDMA 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 adviser and director of FDMA. (May be repeated for up to 12 hours in the major.) (F, S, Su)

FDMA 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)

FDMA 410 DFM Forum (NC) Meets four times during the course of 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 faculty. (May be repeated for two semesters.) (F, S)

FDMA 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)

FDMA 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: FDMA 376. (Fee required) (F)

FDMA 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: FDMA 320, 350, 360, 475. (Fee required) (S)

FDMA 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)(Even F)

FDMA 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 6 hours.) (TBA)

FDMA 493 Topics in Filmmaking (1-3) As announced. (May be repeated for credit if topics are different.) (Fee required) (TBA)

EDUCATION

BILINGUAL EDUCATION (BLED) –
LOWER DIVISION

BLED 2110 Introduction to Bilingual and ESL Education (3) (Formerly BLED 201) This course provides a historical overview of bilingual and ESL education including an emphasis on present trends and practices. Discussions of the aspects of bilingualism at both an individual and a societal level are included. (F)

BLED 2996 Topics in Bilingual Education (1-3) (Formerly BLED 293) As announced. (May be repeated for a maximum of 6 hours in BLED 293 and 493 if topics are different.)
### BILINGUAL EDUCATION (BLED) – UPPER DIVISION

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Prerequisites/Notes</th>
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<tbody>
<tr>
<td>BLED 334</td>
<td>Methods and Materials for Bilingual Education</td>
<td>(3) Identification and evaluation of methods and materials currently used in bilingual education programs. Field experience required: 10 hours. (S)</td>
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<tr>
<td>BLED 350</td>
<td>Cultural and Linguistic Pluralism</td>
<td>(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)</td>
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<tr>
<td>BLED 380</td>
<td>ESL Methods and Materials</td>
<td>(3) Identification and evaluation of methods and materials currently used in the teaching of English as a Second Language. Prerequisite: BLED 2110. (Odd S)</td>
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<tr>
<td>BLED 405</td>
<td>Literacy and the Bilingual Child</td>
<td>(3) Acquisition of literacy skills by students whose dominant language is other than English. (F)</td>
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<tr>
<td>BLED 425</td>
<td>Parents’ Role in the Bilingual Classroom</td>
<td>(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. Prerequisite: BLED 2110. (S)</td>
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<tr>
<td>BLED/RED 438</td>
<td>Language Arts and ESL</td>
<td>(3) Development of listening, speaking, reading and writing skills within a language arts program for bilingual students. (S)</td>
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<tr>
<td>BLED 440</td>
<td>Linguistics for Educators</td>
<td>(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.</td>
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<tr>
<td>BLED 468</td>
<td>Workshop in Bilingual Education</td>
<td>(1–3) As announced. (May be repeated for a maximum of 6 hours in all education workshops if topics are different.)</td>
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<tr>
<td>BLED/ECED 473</td>
<td>Family, Language and Culture</td>
<td>(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. Prerequisite: admission to Gateway I. (Su)</td>
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<tr>
<td>BLED 490</td>
<td>ESL Strategies in Content Areas</td>
<td>(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. (S)</td>
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<tr>
<td>BLED 491</td>
<td>Directed Study</td>
<td>(1-3) Independent study. (May be repeated for a maximum of 4 hours if topics are different) Prerequisite: instructor approval.</td>
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<tr>
<td>BLED 493</td>
<td>Topics in Bilingual Education</td>
<td>(1-3) As announced. (May be repeated for a maximum of 6 hours in BLED 293 and 493.)</td>
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### ELEMENTARY EDUCATION (ELED) – UPPER DIVISION

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<tr>
<td>ELED 405</td>
<td>Literacy and Social Studies Methods for Diverse and Inclusive Classrooms</td>
<td>(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 admittance to Gateway II.</td>
<td>[F (Roswell), S (Portales)]</td>
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<tr>
<td>ELED 406</td>
<td>Science and Mathematics Methods for Diverse and Inclusive Classrooms</td>
<td>(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). Prerequisites: RED 375 and admission to Gateway II.</td>
<td>[F (Roswell), S (Portales)]</td>
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### ELEMENTARY EDUCATION (ELED) – LOWER DIVISION

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<tr>
<td>ELED 2996</td>
<td>Topics in Elementary Education</td>
<td>(1-3) (Formerly ELED 293) As announced. (May be repeated for a maximum of 6 hours in ELED 2996 and 493 if topics are different.)</td>
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### EARLY CHILDHOOD EDUCATION (ECED, FORMERLY ECE) – LOWER DIVISION

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<tr>
<td>ECED 1110</td>
<td>Child Growth, Development and Learning</td>
<td>(Formerly ECE/FCS 221) This basic course in the growth, development, and learning of young children, prenatal through age eight, provides students with the theoretical foundation for becoming competent early childhood professionals. The course 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 is emphasized. (F)</td>
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<tr>
<td>ECED 1115</td>
<td>Health, Safety and Nutrition</td>
<td>(Formerly ECE 107) This course provides information related to standards and practices that promote children’s physical and mental well-being, sound nutritional practices, and maintenance of safe learning environments. It includes information for developing sound health and safety management procedures for indoor and outdoor learning environments for young children. This course examines the many scheduling factors that are important for children’s total development, healthy nutrition, physical activity, and rest. (S)</td>
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ECED 1120 Guiding Young Children (3) (Formerly ECE 265)
This course explores various theories of child guidance and the practical applications of each. It provides 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 will be presented. Emphasis is placed on helping children become self-responsible, competent, independent, and cooperative learners and including families as part of the guidance approach. (F)

ECED 1125 Assessment of Children and Evaluation of Programs (3) (Formerly SPED 203) This basic course familiarizes students with a variety of culturally appropriate assessment methods and instruments, including systematic observation of typically and non-typically developing children. The course addresses the development and use of formative and summative assessment and evaluation instruments to ensure comprehensive quality of the total environment for children, families, and the community. Students will develop skills for evaluating the assessment process and involving other teachers, professionals and families in the process. Prerequisite: admission to Gateway I. (S)

ECED 1130 Family and Community Collaboration (3) (Formerly ECE 280) This beginning course examines the involvement of families and communities from diverse cultural and linguistic backgrounds in early childhood programs. Ways to establish collaborative relationships with families in early childhood settings is discussed. Families’ goals and desires for their children will be supported through culturally responsive strategies. Prerequisite: admission to Gateway I. (S)

ECED 2110 Professionalism (2) (Formerly ECE 220) This course provides a broad-based orientation to the field of early care and education. Early childhood history, philosophy, ethics and advocacy are introduced. Basic principles of early childhood systems are explored. Multiple perspectives on early care education are introduced. Professional responsibilities such as cultural responsiveness and reflective practice are examined. (S)

ECED 2115 Introduction to Language, Literacy and Reading (3) (Formerly ECE 201) This course is designed to prepare early childhood professionals for promoting children’s emergent literacy and reading development. Through a developmental approach, the course addresses ways in which early childhood professionals can foster young children’s oral language development, phonemic awareness, and literacy problem solving skills, fluency, vocabulary, and comprehension. This course provides the foundation for early childhood professionals 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 will be presented. (F)

ECED 2120 Curriculum Development through Play: Birth through Age 4 (Pre-K) (3) (Formerly ECE 239) The beginning curriculum course places play at the center of curriculum in developmentally appropriate early childhood programs. It addresses content that is relevant for children birth through age four in developmentally and culturally sensitive ways of integrating content into teaching and learning experiences. Information on adapting content areas to meet the needs of children with special needs and the development of IFSPs is included. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills, and adaptive learning for children, birth through age four, is emphasized. Sixty (60) hours of field experience required. Concurrent Enrollment ECED 2121. Prerequisite: ECED 1110 (F)

ECED 2121 Curriculum Development through Play Birth through Age 4 (Pre-K) Practicum (2) (Formerly ECE 239L) The beginning practicum course is a co-requisite with the course Curriculum Development through Play Birth through Age 4. The field-based component of this course will provide experiences that address curriculum content that is relevant for children birth through age four in developmentally and culturally sensitive ways of integrating content into teaching and learning experiences. Information on adapting content areas to meet the needs of children with special needs and the development of IFSPs is included. Curriculum development in all areas, including literacy, numeracy, the arts, health, science, social skills, and adaptive learning for children, birth through age four, is emphasized. Concurrent enrollment: ECED 2120. (F)

ECED 2130 Curriculum Development through Play Birth through Age 4 (Pre-K) Practicum (3) (Formerly ECE 240) 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 development of IEPs. Sixty (60) hours of field experience required. Concurrent enrollment: ECED 2131. Prerequisites: ECED 2120/2121; admission to Gateway I. (S)

ECED 2131 Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 (2) (Formerly ECE 240L) The beginning practicum course is a co-requisite with the course Curriculum Development and Implementation: Age 3 through Grade 3. The field-based component of this course will provide experiences that address developmentally appropriate curriculum content in early childhood programs, age 3 through third grade. 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 is included. Concurrent enrollment: ECED 2130. Prerequisites: ECED 2120, ECED 2121, and admission to Gateway I. (S)

**EARLY CHILDHOOD EDUCATION (ECED, FORMERLY ECE) – UPPER DIVISION**

ECED 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. (F)

ECED 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. Twenty (20) hours of field experience required. Concurrent enrollment: RED 350. Prerequisite: admission to Gateway I. (F)
ECED 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: ECED 409. Prerequisite: admission to Gateway I. (F, S, Su)

ECED 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. Prerequisite: admission to Gateway I. (F)

ECED 402 Advanced Caregiving for Infants and Toddlers (3) Defines and implements developmentally appropriate elements of quality programming in home, small-group or whole-group care situations. Prerequisite: admission to Gateway I. (F)

ECED 403 Infant and Toddler Assessment and Evaluation (3) Provides understanding of goals/benefits of observation and assessment; observation/evaluation 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. Prerequisite: admission to Gateway I. (S)

ECED 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. Prerequisite: admission to Gateway I. (S)

ECED 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. Prerequisite: admission to Gateway I. (F)

ECED 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. Prerequisite: admission to Gateway I. (F)

ECED 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. Prerequisite: admission to Gateway I. (F, S, Su)

ECED 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: ECED 409, 417, 418. Course for early childhood education majors only. Prerequisite: admission to Gateway II. (F (Roswell), S (Portales))

ECED 409 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 (Roswell), S (Portales))

ECED 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: ECED 2120/2121, 2130/2131. Concurrent enrollment: ECED 409, 408, 418. Course for early childhood education majors only. Prerequisite: admission to Gateway II. (F (Roswell), S (Portales))

ECED 418 Teaching and Learning Practicum (2) The field practicum is a co-requisite course with teaching and learning science to young children in preschool through grade three. Prerequisite: admission to Gateway I. (S)

ECED/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. Prerequisite: admission to Gateway I. (Su)

ECED 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. (F)

ECED 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. (S)

ECED 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. One hundred and twenty (120) hours of field experience required. Prerequisite: admission to Gateway II. (F, S, Su)

ECED 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)
ECED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 6 hours.) (F, S, Su)

ECED 493 Topics in Early Childhood Education (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

EDUCATION FOUNDATIONS (EDF/EDUC) – LOWER DIVISION

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 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 210 Human Growth and Development for Educators (3) The development of the individual from conception through adulthood. Theories and factual content underlying current thinking and research are examined, as well as the processes and influences affecting the developing person. The focus is on human growth and development as it impacts learning; including biological, social, emotional and intellectual aspects across the lifespan; and individual application is emphasized. Ten (10) hours of field experience required. (F, S)

EDF 268 Workshop in Education Foundations (1-3) As announced. (May be repeated for a maximum of 6 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 6 hours in EDF 293 and 493 if topics are different.)

EDUC 2116 Structured Observations of Teaching Laboratory (NC) (Formerly EDF 222L) Students will be placed in Pre-K-12 public school settings for 40-hour field experience. Concurrent enrollment: EDUC 2116. (F, S)

EDUCATION FOUNDATIONS (EDF) – UPPER DIVISION

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: admission to Gateway I (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. Prerequisites: admission to Gateway I (F, S, Su)

EDF 468 Workshop in Education Foundations (1-3) As announced. (May be repeated for a maximum of 6 hours in all education workshops if topics are different.)

EDF 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 6 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 6 hours in EDF 293 and 493 if topics are different.)

READING EDUCATION (RED) – LOWER DIVISION

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)

READING EDUCATION (RED) – UPPER DIVISION

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. Prerequisite: admission to Gateway I. (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 metacognitive strategies. Prerequisite: ENGL 1120. Additional coursework in writing is recommended. Prerequisite: admission to Gateway I. (S)
RED 350 Teaching and Learning Reading and Writing I (3) Primary emphasis on literacy development of all children from Pre-K 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 the ELL reader is required on a weekly basis in addition to class hours. Twenty (20) hours of field experience required. Prerequisite: 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. Twenty (20) hours of field experience required. Prerequisites: RED 350 and admission to Gateway II. (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. Prerequisite: admission to Gateway I. (S)

RED 468 Workshop in Reading (1-3) As announced. May be repeated for a maximum of 6 hours in all education workshops if topics are different. (TBA)

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 classroom. Evaluation of both formative and summative assessments to inform individual and small group instructional and the use of reading and writing experiences for enhancing student'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. Fifteen (15) hours of field experience required. Prerequisites: RED 390 and admission to Gateway II. (F)

RED 490 Field Studies in Reading (1-3) (May be repeated for a maximum of 6 hours.) Prerequisite: instructor approval.

RED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval.

RED 493 Topics in Reading (1-3) As announced. (May be repeated for a maximum of 6 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. Fifteen (15) hours of field experience required. Prerequisites: admission to Gateway II. (F)

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). Fifteen (15) hours of field experience required. Prerequisite: admission to Gateway II. (S)

SECONDARY EDUCATION (SED) – LOWER DIVISION

SED 293 Topics in Secondary Education (1-3) As announced. (May be repeated for a maximum of 6 hours in SED 293 and 493.) (TBA)

SECONDARY EDUCATION (SED) – UPPER DIVISION

SED 402 Effective Teaching and Learning: Planning and Assessment (3) Teaching process with a focus on teacher pedagogical behaviors to support learning for all students. Twenty (20) hours of field experience required. Concurrent enrollment in SED 405 required. Prerequisites: admission to Gateway II. (F)

SED 405 Effective Teaching and Learning: Classroom Management and Issues in 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. Concurrent enrollment in SED 402 required. Prerequisites: admission to Gateway II. (F)

SED 460 Secondary Education Student Teaching (9) 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 6 hours in all education workshops.)

SED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval.

SED 493 Topics in Secondary Education (1-3) As announced. (May be repeated for a maximum of 6 hours in SED 293 and 493)

SPECIAL EDUCATION (SPED) – LOWER DIVISION

SPED 2996 Topics in Special Education (1-3) (Formerly SPED 293) As announced. (May be repeated for a maximum of 6 hours in SPED 293 and 493 if topics are different.)

SPECIAL EDUCATION (SPED) – UPPER DIVISION

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. Must be completed with grade of “B” or higher. Concurrent enrollment: EDUC 2115/L recommended. (F, S, Su)
SPED 320 Planning and Assessment for the Inclusive Classroom (3) Planning and techniques for formal and informal diagnosis 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 and admission to Gateway II. (F - Portales, S - Roswell)

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 and admission to Gateway II. (F - Portales, S - Roswell)

SPED 445 Student Teaching: Special Education (5) 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 3 hours in all education workshops.)

SPED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 3 hours.) Prerequisite: instructor approval.

SPED 493 Topics in Special Education (1-3) As announced. (May be repeated for a maximum of 6 hours in SPED 293 and 493 if topics are different)

ELECTRONICS ENGINEERING TECHNOLOGY (EET) – LOWER DIVISION

EET 110 Circuit Analysis I (2) 2 hours lecture, 2 hours laboratory. 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: Completion of, or concurrent enrollment in, MATH 119, 120, 124 or 132. Concurrent enrollment: EET 110L. (F)

EET 110L Circuit Analysis I Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. 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: Completion of, or concurrent enrollment in, MATH 104, 119, 120, 124 or 132. (S)

EET 210 Circuit Analysis II (2) 2 hours lecture, 2 hours laboratory. 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. Completion of, or concurrent enrollment in, MATH 120, 124 or 132. Concurrent enrollment: EET 210. (S)

EET 210L Circuit Analysis II Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 210. (S)

EET 237 Semiconductor Devices I (2) 2 hours lecture, 2 hours laboratory. 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). Concurrent enrollment: EET 237L. (S)

EET 237L Semiconductor Devices I Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 237. (S)

EET 241 Logic Circuits (2) 2 hours lecture, 2 hours laboratory. Logic circuits common to computers, data systems, analytical tools and their applications. Digital circuit analysis using computer simulations. Prerequisite: Completion of, or concurrent enrollment in, MATH 119, 120, 124 or 132. Concurrent enrollment: EET 241L. (F)

EET 241L Logic Circuits Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 241. (F)

EET 242 Sequential Circuits and Applications (2) 2 hours lecture, 2 hours laboratory. 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. Concurrent enrollment: EET 242L. (S)

EET 242L Sequential Circuits and Applications Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 242. (S)

EET 268 Workshop in Engineering Technology (1-3) As announced. (May be repeated for a maximum of 6 hours.) (TBA)

EET 293 Topics in Engineering Technology (1-3) As announced. (May be repeated for a maximum of 6 hours with instructor approval or adviser if topics are different)

ECONOMICS (ECON) – LOWER DIVISION

ECON 1110 Survey of Economics (3) (Formerly ECON 200) This course will develop students' economics literacy and teaches students how economics relates to the everyday life of individuals, businesses and society in general. The course will also introduce students to the roles different levels of governments play in influencing the economy. At the conclusion of the course, students will be able to identify economic causes for various political and social problems at national and international levels, and have a better understanding of everyday economic issues that are reported in media and public forums. (F, S)
ECON 2110 Macroeconomics Principles (3) (Formerly ECON 221) Macroeconomics is the study of national and global economies. Topics include output, unemployment and inflation; and how they are affected by financial systems, fiscal and monetary policies. Prerequisite: MATH 1220 is recommended but not required. (F, S)

ECON 2120 Microeconomics Principles (3) (Formerly ECON 222) This course will provide a broad overview of microeconomics. Microeconomics is the study of issues specific to households, firms, or industries with an emphasis on the role of markets. Topics discussed will include household and firm behavior, demand and supply, government intervention, market structures, and the efficient allocation of resources. Prerequisite: MATH 1220 is recommended but not required. (F, S)

ECON 2996 Topics in Economics (1-3) (Formerly ECON 293) As announced. (May be repeated for 6 credits if topics are different.) (TBA)

ECONOMICs (ECON) – UPPER DIVISION

ECON 321 Macroeconomics for Business (3) Study of the nature, causes, measurement and forecasting of fluctuations of the macro economy. Prerequisites: ECON 2110, 2120. (Odd 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 2110, 2120. (Even F)

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 2110, 2120. (Odd F)

ECON 409 International Economics (3) International trade, commercial policies, economic integration, balance of payments, adjusted mechanisms and international monetary systems. Prerequisites: ECON 2110, 2120. (Even F)

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 2120 or AEEC 1110; and MATH 1220 or 1510 or 1520 or 2530 with a grade of "C" or higher. (Even F)

ECON 489 Internship (3) Students may enroll in the internship course from one (1) to three (3) credit hours. For each credit hour, a minimum of 55 clock hours on-the-job experience related to the discipline must be completed. Grading is satisfactory/unsatisfactory. Check with the academic adviser for internship guidelines and specific requirements. Prerequisites: instructor, academic adviser and dean approval. (F, S, Su)

ECON 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor, academic adviser and dean approval. (TBA)

ECON 493 Topics in Economics (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: instructor approval. (TBA)

ELECTRONICS ENGINEERING TECHNOLOGY (EET) – UPPER DIVISION

EET 302 Industrial Electronics (2) 2 hours lecture, 2 hours laboratory. 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 (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 302. (Odd F)

EET 310 Linear Systems Analysis (2) 2 hours lecture, 2 hours laboratory. 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 function. Prerequisites: EET 210/L, MATH 1510. Concurrent enrollment: EET 310L. (Odd F)

EET 310L Linear Systems Analysis Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 310. (Odd F)

EET 337 Semiconductor Devices II (2) 2 hours lecture, 2 hours laboratory. 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 (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. 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. (S)

EET 343 Advanced Digital Design (2) 2 hours lecture, 2 hours laboratory. Introduction to digital design systems using very high speed integrated circuit hardware description languages (VHDL). Design approaches which partition a system into a data-path and controller and a focus on synthesizable VHDL code for digital circuit design using dataflow, structural, and behavioral coding styles. Introduction of VHDL simulation and verification, and FPGA and CPLD synthesis, placement, routing, timing analysis and performance optimization. Lecture is reinforced through the lab. Prerequisites: EET 340. Concurrent enrollment: EET 343L. (F)

EET 343L Advanced Digital Design (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 343. (F)

EET 357 Electronic Communications I (2) 2 hours lecture, 2 hours laboratory. 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 (may be taken concurrently). Concurrent enrollment: EET 357L. (Even F)
EET 357L Electronic Communications I Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 357. (Even F)

EET 402 Renewable Energy Technology I (2) 2 hours lecture, 2 hours laboratory. An introduction to wind power production and historical uses of wind resources. The Earth's wind systems. Vertical and horizontal axis turbines. Wind speed and energy analysis. Aerodynamics of wind turbines. Electrical generators and control system drives. Large-scale turbine farms and economics and environmental impacts. Prerequisites: EET 131, 210/L, 237 /L. Concurrent enrollment: 402L. (F)

EET 402L Renewable Energy Technology Laboratory I (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 402. (F)

EET 403 Renewable Energy Technology II (2) 2 hours lecture, 2 hours laboratory. The characteristics of sunlight. Solar cell behavior, properties, and design. Cell interconnection and module fabrication. Photovoltaic Power systems with stand-alone and grid-connected capabilities. Special-purpose photovoltaic applications. Concentrator and hybrid solar thermal and photovoltaic systems. Solar tracker systems and Power electronics. Prerequisites: EET 131, 210/L, 237 /L. Concurrent enrollment: 403L. (S)

EET 403 L Renewable Energy Technology Laboratory II (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 403. (S)

EET 404 Renewable Energy Technology III (2) 2 hours lecture, 2 hours laboratory. The course focuses on providing students with fundamental knowledge on hybrid solar-wind configuration, modeling, power quality control, criteria for hybrid system optimization and control strategy, software simulation of standalone and grid connected system, wireless power transfer of renewable energy technology, application of advanced power electric circuits and technology in renewable energy, and MPPT circuits and algorithms. The course will also provide students with an introduction to solar thermal energy, hydroelectric power, Tidal wave power, and hydrogen fuel-cells technology. Students are encouraged to conduct a research project on contemporary renewable energy technology and share their findings with the class through a presentation. Prerequisites: EET 131, 210/L, 237 /L. Concurrent enrollment: 404L. (F)

EET 404L Renewable Energy Technology Laboratory III (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 404. (Even F)

EET 412 Electrical Power and Machinery (2) 2 hours lecture, 2 hours laboratory. Introduction to power systems and electric machinery. Topics include single and 3 phase transformers, synchronous machines, induction machines, transmission lines modeling and their performance, transient power systems, power factor improvement, voltage control, and The National Electrical Code. Prerequisites: EET 210/L. Concurrent enrollment: EET 412L. (Odd F)

EET 412L Electrical Power and Machinery (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 412. (Odd F)

EET 421 Special Problems (1-2) May be repeated for a maximum of 6 hours.

EET 421L Special Problems Laboratory (1-2) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 421. (Odd F)

EET 437 Semiconductor Devices III (2) 2 hours lecture, 2 hours laboratory. 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 (1) A laboratory course through simulations and hardware implementations. Concurrent enrollment: EET 437. (Even S)

EET 450 Control Systems (2) 2 hours lecture, 2 hours laboratory. Feedback theory of control systems and the principles of continuous and discrete control systems. Prerequisites: EET 310/L, 337/L. Concurrent enrollment: EET 450L. (Even S)

EET 450L Control Systems Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 450. (Even S)

EET 457 Electronic Communications II (2) 2 hours lecture, 2 hours laboratory. 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 (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 457. (Odd S)

EET 468 Workshop in Engineering Technology (1-3) As announced. (May be repeated for a maximum of 6 credits if topics are different.) (TBA)

EET 472 Microcontroller Programming and Interfacing (2) 2 hours lecture, 2 hours laboratory. 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. Concurrent enrollment: EET 472L. (Even F)

EET 472L Microcontroller Programming and Interfacing Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. 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 (Renewable Energy) (3) Engineering Technology project with particular emphasis on analysis, design, documentation and application to one or more practical problems. Prerequisites: Junior or senior standing. (Odd F)

EET 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 6 credits with instructor/adviser approval.) (TBA)
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 System (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 EMS Operations (3) Survey of all aspects of emergency healthcare operations within a highly regulated environment to include EMS Special Operations, community paramedic, mobile healthcare and planning for events and incidents. (Odd F)

EMGT 400 Emergency Preparedness (3) Preparedness frameworks and strategies; exercise design, 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 4 hours) Prerequisite: instructor approval. (TBA)

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 6 hours if topics are different). (TBA)

ENGLISH ENGL (FORMERLY ENG) - LOWER DIVISION

ENGL 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)

ENGL 1110 Composition I (3) (Formerly ENG 102). In this course, students will read, write, and think about a variety of issues and texts. They will develop reading and writing skills that will help with the writing required in their fields of study and other personal and professional contexts. Students will learn to analyze rhetorical situations in terms of audience, contexts, purpose, mediums, and technologies and apply this knowledge to their reading and writing. They will also gain an understanding of how writing and other modes of communication work together for rhetorical purposes. Students will learn to analyze the rhetorical context of any writing task and compose with purpose, audience, and genre in mind. Students will reflect on their own writing processes, learn to workshop drafts with other writers, and practice techniques for writing, revising, and editing. Placement by ACT score. Must earn grade of "C" or higher. (F, S, Su)

ENGL 1120 Composition II (3) (Formerly ENG 104). In this course, students will explore argument in multiple genres. Research and writing practices emphasize summary, analysis, evaluation, and integration of secondary sources. Students will analyze rhetorical situations in terms of audience, contexts, purpose, mediums, and technologies and apply this knowledge to their reading, writing, and research. Students will sharpen their understanding of how writing and other modes of communication work together for rhetorical purposes. The emphasis of this course will be on research methods. Must earn a “C” or higher. Prerequisite: ENGL 1110 with a grade of “C” or higher. (F, S, Su)

ENGL 1410 Introduction to Literature (3) (Formerly ENG 211). In this course, students will examine a variety of literary genres, including fiction, poetry, and drama. Students will identify common literary elements in each genre, understanding how specific elements influence meaning. (F, S)
ENGL 2210 Professional and Technical Writing (3) (Formerly ENG 325). Professional and Technical Communication will introduce students to the different types of documents and correspondence that they will create in their professional careers. This course emphasizes the importance of audience, document design, and the use of technology in designing, developing, and delivering documents. This course will provide students with experience in professional correspondence and communicating technical information to a non-technical audience. (F, S)

ENGL 2310 Introduction Creative Writing (3) (Formerly ENG 205). This course will introduce students to the basic elements of creative writing, including short fiction, poetry, and creative nonfiction. Students will read and study published works as models, but the focus of this "workshop" course is on students revising and reflecting on their own writing. Throughout this course, students will be expected to read poetry, fiction, and non-fiction closely, and analyze the craft features employed. They will be expected to write frequently in each of these genres. Prerequisite: ENGL 1110 with a "C" or better. (F)

ENGL 2610 American Literature I (3) (Formerly ENG 251). This course surveys American literature from the colonial period to the mid-nineteenth century. This course provides students with the contexts and documents necessary to understand the origins of American Literature and the aesthetic, cultural, and ideological debates central to early American culture. (Even F)

ENGL 2620 American Literature II (3) (Formerly ENG 252). This course surveys American literature from the mid-nineteenth-century to the contemporary period. This course provides students with the contexts and documents necessary to understand American Literature and the aesthetic, cultural, and ideological debates central to American culture. (Odd S)

ENGL 2630 British Literature I (3) (Formerly ENG 221). This course offers a study of British literature from its origins in Old English to the 18th century. This survey covers specific literary works—essays, short stories, novels, poems, and plays—as well as the social, cultural, and intellectual currents that influenced the literature. (Odd F)

ENGL 2640 British Literature II (3) (Formerly ENG 222). This course offers a study of British literature from the 18th century to the present. This survey covers specific literary works—short stories, novels, poems, and plays—as well as the social, cultural, and intellectual currents that influenced the literature. (Even F)

ENGL 2993 Workshop in English (1-3) (Formerly ENG 268) As announced. (May be repeated for a maximum of 6 hours if topics are different.)

ENGL 2996 Topics in English (1-3) (Formerly ENG 293) As announced. (May only be repeated for credit twice if topics are different. If topics are the same, they will only count once.)

ENGLISH ENGL (FORMERLY ENG) - UPPER DIVISION

ENGL 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: ENGL 1120 with a "C" or better. (Even S)

ENGL/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 Diversity/Global upper-division requirement. (Odd S)

ENGL 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: ENGL 1120 with a "C" or better. (F, S)

ENGL 310 Poetry Writing (3) Workshop in poetry writing. Students will practice elements of poetic craft and focus on developing their own voices as writers. Students will write short exercises, draft and revise their own poems, and read widely in the poetic tradition as models of poetic technique. Prerequisite: ENGL 1120 with a "C" or better. Concurrent Enrollment: ENGL 2310. (Odd F)

ENGL 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 Historicism. Prerequisite: ENGL 1120 with a “C” or better. (Even S)

ENGL 335 Creative Writing (3) Primarily a workshop concentrated on creative fiction writing at the intermediate level. Students will also practice and experiment with elements of craft by composing short writing exercises, and read fiction as models of craft. Prerequisites: ENGL 1120 and 2310 with a “C” or better. (Odd S)

ENGL 345 Advanced Composition (3) Writing intensive course offering sustained attention to style, ethical research and documentation, and the development of a distinctive writer's voice. Includes concentrated work with grammar and semantics. Projects focused on developing a writing portfolio that could be used for internship, career, or graduate school applications. Prerequisite: ENGL 1120 with a "C" or better. (F)

ENGL 376 Latina/o/x Literature (3) Writings of Latina/o/x authors, particularly those of the last century. Includes accounts of Chican/a life, experiences and examples of creative writing in varied types of literature. Prerequisite: ENGL 1120 with a "C" or better. (Even F)

ENGL 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: ENGL 1120 with a "C" or better. (Odd F, Even S)

ENGL 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: ENGL 1120 with a "C" or better. Fulfills Diversity Requirement. (Odd S)

ENGL 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: ENGL 1120 with a "C" or better. (Even S)

ENGL 413 Literature of the Southwest (3) Literature by resident authors in the Southwest; writings about the social institutions of the country. Prerequisite: ENGL 1120 with a "C" or better. (Odd F)
ENGL 420 Reading as a Creative Writer (3) Close reading from the perspective of a creative writer. Students will read works of literature with the goal of studying elements of craft. Students will also read what professional writers have written about other writers and about aspects of writing itself. The course will concentrate on fiction, poetry, and creative nonfiction. (Odd S)

ENGL 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: ENGL 1120 with a “C” or better. (Even F, Even S)

ENGL 430 British Authors/Genres/Themes (3) Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. Prerequisite: ENGL 1120 with a “C” or better. (F)

ENGL 441 Shakespeare (3) Close readings of Shakespeare’s works. Prerequisite: ENGL 1120 with a “C” or better. (Odd S)

ENGL 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: ENGL 1120 with a “C” or better. (S)

ENGL 468 Workshop in English (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

ENGL 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval. (TBA)

ENGL 493 Topics in English (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

ENGL 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)

ENGL 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: ENGL 1120 with a “C” or better. (Even F)

ENVIRONMENTAL SCIENCE (ENVS) – UPPER DIVISION

ENVS 410 Environmental Law and Phase I Site Assessment (3) Overview of Federal environmental laws and regulations. Protocols and methods for conducting Phase I Environmental Site Assessments. (Even F)

ENVS 420 - Environmental Hydrology (3) Essentials of fluid mechanics. Flowing rivers, streams, and diverse surfaces; motions in lakes and reservoirs and ground water movement of various contaminants. Properties of rocks and soils as related to ground water diffusion and problems of concern to water resources. Prerequisites: MATH 1220 or 1510 or 1520 or 2530 with a grade “C” or higher. (Odd F).

ENVS 465 Senior Research Project (2) An independent research project which includes a field and/or laboratory component. Requires a written report and a poster or oral presentation. Prerequisite: instructor approval. (F; S)

FAMILY AND CONSUMER SCIENCES (FCST/ FCS/NUTR) - LOWER-DIVISION

NUTR 2110 Human Nutrition (3) (Formerly FCS 118) This course provides an overview of nutrients, including requirements, digestion, absorption, transport, function in the body and food sources. Dietary guidelines intended to promote long-term health are stressed. (Even Su)

FCST 1160 Consumer Education (3) (Formerly FCS 131) 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. (Even F)

FCST 2310 Food Science (3) (Formerly FCS 213) 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. (Odd F)

FCST 2320 Culinary Nutrition (3) (Formerly FCS 234) 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)

FCST 2993 Workshop in Family and Consumer Sciences (1-3) (Formerly FCS 268) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

FCST 2996 Topics in Family and Consumer Sciences (1-3) (Formerly FCS 293) As announced (May be repeated for a maximum of 3 credits.) (TBA)

FAMILY AND CONSUMER SCIENCES (FCST/ FCS)- UPPER-DIVISION

FCST 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)

FCST 323 Techniques for Effective Parenting (3) The parent/child relationship with emphasis on communication skills, guidance techniques and methods. (Even S)

FCST 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)

FCST 335 Vegetarian/Vegan Cookery (3) 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 (Even S)

FCST 356 Nutrition for Women and Children (3) Nutritional needs, status and problems during pregnancy, infancy, childhood and adolescence. (Odd F)
FCST 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)

FCST 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)

FCST 410 Nutrition and Aging (3) Nutritional needs, status and problems of the elderly. (Odd S)

FCST 421 Special Problems (1-2) (May be repeated for a maximum of 4 hours.) (TBA)

FCST 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. (Odd Su).

FCST 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)

FCST 468 Workshop in Family and Consumer Sciences (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

FCST 489 Field Placement (3) Field placement under supervision of professional staff from a cooperating off-campus agency (165 hours minimum). Includes completion of capstone portfolio. This course is graded S/U. Prerequisite: completion of 19 hours of FCST classes; Department approval prior to registration; special request form needed. (F, S, Su)

FCST 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) (F, S, Su)

FCST 493 Topics in Family and Consumer Sciences (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

FINANCE (BFIN) – LOWER DIVISION

BFIN 2110 Introduction to Finance (3) (Formerly FIN 201). Introduces tools and techniques of financial management. Includes time value of money; financial planning, diversification and risk; debt and equity investment decisions; and financial statement analysis. Prerequisites: ACCT 2110; completion of General Education math requirement. (F, S)

BFIN 2996 Topics in Finance (1-3) (Formerly FIN 293) As announced. (May be repeated for a maximum of 6 credits. (TBA)

FINANCE (BFIN) – UPPER DIVISION

BFIN 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: ACCT 2110, 2120, ECON 2110, 2120, BFIN 2110, MATH 1220, and MATH 1350. (F, S)

BFIN 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: BFIN 2110; concurrent enrollment in BFIN 315 is recommended but not required. (F)

BFIN 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: BFIN 315; BFIN 317 is not required but is recommended. (S)

BFIN 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: BFIN 2110. (TBA)

BFIN 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: BFIN 2110. (TBA)

BFIN/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. Prerequisite: PFP 310 (may be taken concurrently). (F)

BFIN 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: BFIN 2110. (S)

BFIN 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: BFIN 315. (TBA)

BFIN 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: BFIN 315. (TBA)

BFIN 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: BFIN 315, BFIN 317 is not required but is recommended. (TBA)
FREN 1110 French I (4) (Formerly FR 101) Intended for students with no previous exposure to French, this course develops basic listening, speaking, reading, and writing skills aiming toward the ACTFL novice-high level. This is an introductory course designed to teach the student to communicate in French in everyday situations and to develop an understanding of French and Francophone cultures through the identification of cultural products and practices, of cultural perspectives, and the ability to function at a survival level in an authentic cultural content. This course will also develop the student’s sense of personal and social responsibility through the identification of social issues. (F)

FREN 110 French II (4) (Formerly FR 102) A continuation of French I, students will develop a broader foundation in skills gained during the first semester, including understanding, speaking, reading and writing French aiming toward the ACTFL intermediate-low level. This course is designed to increase student fluency in French as applied to everyday situations. Students will also learn to recognize and understand various French and Francophone products, practices, and perspectives, identifying common cultural patterns, describing basic cultural viewpoints, and further developing their sense of personal and social responsibility through the investigation of cultural issues. Prerequisite: FREN 110 or equivalent (consult with instructor). (S)

FREN 2110 French III (3) (Formerly FR 201) In this third semester course, students will continue to develop a broader foundation in skills gained during the first year, including understanding, speaking, reading and writing French aiming toward the ACTFL intermediate mid level. This course is designed to teach the student to communicate in a more sustained way in areas of personal interest and in everyday situations. Students will engage in and analyze various French and Francophone products, practices, and perspectives, as well as continue to develop their sense of personal and social responsibility through comparison and contrast of cultural perspectives. Prerequisite: two semesters of beginning French or equivalent (consult with instructor). (TBA)

FREN 2120 French IV (3) (Formerly FR 202) In this fourth semester course, students will continue to broaden and refine skills gained during previous semesters, including understanding, speaking, reading and writing French aiming at the ACTFL intermediate-high level. This course is designed to teach the student to communicate in a more sustained way in situations that go beyond the everyday. Students will evaluate various French and Francophone products, practices, and create ways to demonstrate their sense of personal and social responsibility through participation in cultural interaction. Prerequisite: FREN 2110 or equivalent (consult with instructor). (TBA)

FREN 2993 Workshop in French (1-3) FR 268 As announced. (May be repeated for credit if topics are different.) (TBA)

FREN 2996 Topics in French (1-3) FR 293 As announced. (May be repeated for credit if topics are different.) (TBA)

FIRST-YEAR EXPERIENCE (FYEX)

FYEX 1110. First-Year Seminar (3) (Formerly UNIV 101) This course is designed to help students achieve greater success in college and in life. Students will learn many proven strategies for creating greater academic, professional, and personal success. Topics may include career exploration, time management, study and test-taking strategies to adapt to different learning environments, interpersonal relationships, wellness management, financial literacy, and campus and community resources. (F, S)

GEOGRAPHY (GEOG)

GEOG 1130 Human Geography (3) (Formerly GEOG/ANTH 103) This course serves as an introduction to the study of human geography. Human geography examines the dynamic and often complex relationships that exist between people as members of particular cultural groups and the geographical “spaces” and “places” in which they exist over time and in the world today. (F, S)

GEOG 1140 Humans Role in the Changing Face of the Earth (3) (Formerly GEOG/ANTH 233) This course is a survey of social and scientific aspects of environmental issues related to the degradation of land, air, and water resources from global, regional and local perspectives. (F, S)

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: GEOG 151/L. Concurrent enrollment: GEOL 104L. (Even S)

GEOLOGY (GEOL) – LOWER DIVISION

GEOL 1110 Physical Geology (3) (Formerly GEOL 151) Physical Geology is an introduction to our dynamic Earth introducing students to the materials that make up Earth (rocks and minerals) and the processes that create and modify the features of our planet. The course will help students learn how mountains are formed, how volcanoes erupt, where earthquakes occur, and how water, wind, and ice can shape the landscape. Students will also develop a basic understanding of the ways humans have altered the planet including our impact on natural resources and global climate change. Concurrent enrollment: GEOL 1110L. (F)
GEOL 110L Physical Geology Laboratory (1) (Formerly GEOL 151L) Physical Geology Lab is the laboratory component of Physical Geology. Students will learn to identify rocks and minerals in hand samples, work with topographic maps, geologic maps, and geologic cross-sections, and apply stratigraphic principles to explore geologic time. Concurrent enrollment: GEOL 1110. (F)

GEOL 115 Earth Resources (3) (Formerly GEOL 123) This course explores the history of resource usage through time and the economics, extraction, processing and use of Earth resources. A systematic review of fossil fuel, metallic, and nonmetallic resource formation and 413 revised 1/29/2019 usage is a central theme. At the end of this course students will understand how resources have impacted the history and development of civilization from ancient times to today. Students will also understand the processes by which different types of resources are formed, extracted, processed, and utilized by modern society. Concurrent enrollment: GEOL 115L. (S)

GEOL 115L Earth Resources Laboratory (1) (Formerly GEOL 123L) This laboratory course is an introduction to mineral resource identification and data analysis. The course begins with developing the basic techniques of mineral and rock identification. Students will then explore energy units and conversions, the identification of energy resources and how exploration data is used in the search for petroleum resources. Subsequent labs will explore the identification and use of a wide variety of metallic and nonmetallic resources. An important component of this lab is the analysis of resource data (reserves and production). Concurrent enrollment: GEOL 115L. (S)

GEOL 1120 Environmental Geology (3) (Formerly GEOL 113) This course is an introduction to environmental geology with an introduction to problems of pollution, population, human relations to the environment, resource use, geologic hazards and environmental problems. The course covers the major components of the Earth system, i.e. atmosphere, lithosphere, hydrosphere, and biosphere, and how they are related. Environmental Geology addresses the mechanisms that drive these Earth processes, how different parts of the Earth are connected, how matter and energy flow through our environment, and how humans fit into the environmental systems. Emphasis is placed on the use of the scientific method and the development of critical thinking skills in understanding environmental issues. Concurrent enrollment: GEOL 1120L. (F, S)

GEOL 1120L Environmental Geology Laboratory (1) (Formerly GEOL 113L) Environmental Geology Laboratory is the laboratory component of Environmental Geology. This course is an introduction to geologic materials and processes as applied to the human environment. Included are practical exercises with rocks, minerals, topographic and geologic maps, and water, mineral and energy resources. Hazards associated with natural processes will be evaluated. Concurrent enrollment: GEOL 1120. (F, S)

GEOL 2996 Topics in Geology (1-3) (Formerly GEOL 293) As announced. (May be repeated for credit if topics are different.)

GEOL 305 Mineralogy and Petrology (3) Fundamentals of mineralogy and petrology. Origin, classification, description of minerals and rocks and analytical methods used in mineralogy and petrology. Prerequisite: GEOL 1110/L. (Odd F)

GEOL 305L Mineralogy and Petrology Laboratory (1) Identification and analysis of minerals and rocks. Practical application of polarized light microscopy and X-ray techniques. Prerequisite: GEOL 1110/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 1110/L. GEOL 305/L is recommended. Concurrent enrollment: GEOL 311L. (Even S)

GEOL 311L Stratigraphy and Sedimentation Laboratory (1) Rock types, environments of deposition and stratigraphic mapping. Three hours laboratory work per week. Concurrent enrollment: GEOL 311. (Even 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. (TBA)

GEOL 417L Economic Geology Laboratory (1) Study of ore sites and exploration techniques. Three hours laboratory work per week. Concurrent enrollment: GEOL 417.

GEOL/CHEM 454 Geochemistry (3) Low-temperature environmental geochemistry and resulting anthropogenic changes to the environment. Topics include surficial and environmental mineralogy, organic compounds, water pollution, remediation, air pollution and the nitrogen, phosphorus and sulfur biogeochemical cycles. Prerequisites: CHEM 1215/L, 1225/L. GEOL 1110/L strongly recommended. (Even F)

GEOL 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.)

GEOL 493 Topics in Geology (1-3) As announced. (May be repeated for credit if topics are different.)

GREEK (GREK – FORMERLY GR) – LOWER DIVISION

GREK 1110 Greek I (4) (Formerly GR 201) This course serves as an introduction to the fundamentals of the historic Greek language and culture. The aims of this course are to acquire basic skills in reading, writing, and comprehension in order to read authentic Greek texts with the help of a dictionary. Students will also study the history of the Greek language, texts, and culture. (F)

GREK 1120 Greek II (4) (Formerly GR 202) This course continues the study of the historic Greek language and culture. The aims of this course are to continue to build basic skills in reading, writing, and comprehension in order to read authentic Greek texts with the help of a dictionary. Students will also continue to study the historical factors behind the developments of the Hellenic world and its texts. Prerequisite: Satisfactory completion of GREK 1110, or Instructor’s permission. (S)
HEBREW (HEBR) (FORMERLY HEB) – LOWER DIVISION

HEBR 1110 Hebrew I (4) (Formerly HEB 201) Fundamentals of Biblical Hebrew. (Odd F)

HEBR 1120 Hebrew II (4) (Formerly HEB 202) Fundamentals of Biblical Hebrew with simple passages from the Hebrew Bible. Prerequisite: HEBR 1110. (Even S)

HEBR 2110 Hebrew III (3) (Formerly HEB 301) Biblical Hebrew prose with reference to selected passages. Prerequisite: HEBR 1120. (Even F)

HEBR 2120 Hebrew IV (3) (Formerly HEB 302) Continuation of HEB 2110. Biblical Hebrew poetry with reference to selected passages. Prerequisite: HEB 2110. (Odd S)

HEBR 2993 Workshop in Hebrew (1-3) (Formerly HEB 268) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

HEBR 2996 Topics in Hebrew (1-3) (Formerly HEB 293) As announced. (May be repeated for credit if topics are different.) (TBA)

HEBREW (HEBR) (FORMERLY HEB) – UPPER DIVISION

HEBR 468 Workshop in Hebrew (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

HEBR 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval. (TBA)

HEBR 493 Topics in Hebrew (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

GREEK (GREK – FORMERLY GR) – UPPER DIVISION

GREK/RELG 423 Advanced Greek Translation and Exegesis (2) Selected passages from the New Testament and other Greek writings. Prerequisite: GREK 2120. (TBA)

GREK/RELG 424 Advanced Greek Translation and Exegesis (2) Continuation of GREK 423. Prerequisite GREK 423. (TBA)

GREK 468 Workshop in Greek (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

GREK 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) (TBA)

GREK 493 Topics in Greek (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

HISTORY (HIST) – LOWER DIVISION

HIST 1110 United States History I (3) (Formerly HIST 101) The primary objective of this course is to serve as an introduction to the history of the United States from the pre-colonial period to the immediate aftermath of the Civil War. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of the United States within the context of world societies. (F, S)

HIST 1120 United States History II (3) (Formerly HIST 102) The primary objective of this course is to serve as an introduction to the history of the United States from reconstruction to the present. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of the United States within the context of world societies. (F, S)

HIST 1150 Western Civilization I (3) (Formerly HIST 121) This course is a chronological treatment of the history of the western world from ancient times to the early modern era. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of western civilization within the context of world societies. Selective attention will be given to "non-western" civilizations which impact and influence the development of "western" civilization. (F, S)

HIST 1160 Western Civilization II (3) (Formerly HIST 122) This course is a chronological treatment of the history of the western world from the early modern era to the present. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of western civilization within the context of world societies. Selective attention will be given to "non-western" civilizations which impact and influence the development of "western" civilization. (F, S)

HIST 2110 Survey of New Mexico History (3) (Formerly HIST 203) The primary objective of this course is to serve as an introduction to the history of New Mexico from the pre-Columbian times to the present day. The elements of this course are designed to inform students on the major events and trends that are essential in the understanding of the development of New Mexico within the context of the Americas. (F, S)

HIST 2310 Introduction to Historical Methods (1) (Formerly HIST 290) Topics include constructing a research agenda, primary and secondary source analysis, historiography, standards of citation and argumentation expected in the profession. (F, S)

HIST 2996 Topics in History (1-3) (Formerly HIST 293) As announced. (May be repeated for credit if topics are different.) (TBA)

HISTORY (HIST) – UPPER DIVISION

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 origins and 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 present; wars and tactical accounts of battles; industrial, economic and political impacts on the military; role of the military in American life. (Odd S)

HIST 373 U.S. Diplomatic History (3) A survey of U.S. diplomatic and foreign relations from the American Revolution to the present, with an emphasis on the evolution of the U.S. as a world power. (Even 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 409 Teaching Social Studies (3) Curriculum, materials, methods, evaluation and related aspects of instruction; integration of content and methodology. Prerequisite: EDUC 2116 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 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. (Odd F)

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 6 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 4 hours. Does not count for history requirements.) (TBA)

HIST 493 Topics in History (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

HEALTH AND PHYSICAL EDUCATION / KINESIOLOGY (EXSC/HPE/HLED/PHED) – LOWER DIVISION: ACTIVITY COURSES

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 3 credits may be counted toward a degree.) (F, S, Su)

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 224 Weight Training II (1) Advanced techniques and programs for resistance training. Prerequisite: HPE 124. (TBA)

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. (F)

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 268 Workshop in Health and Physical Education (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

HPE 281 Officiating of Sports (3) Officiating sports, including theory and practice. (F)

EXSC 2120 Structural Kinesiology (3) (Formerly HPE 241) 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. (F, S)

PHED 1210 Basketball (1) (Formerly HPE 117). (F, S)

PHED 1230 Individual Sport: Racquetball (1) (Formerly HPE 103, 132, 138) Golf, tennis, or racquetball. Student must furnish tennis racquet or racquet. (F, S)

PHED 1280 Volleyball (1) (Formerly HPE 116). (F, S)

PHED 1290 Team Sport (1) (Formerly HPE 101, 102) Pickleball, soccer, futsal, or softball.

PHED 1310 Swim I: Beginning Swimming (1) (Formerly HPE 119) (F, S)

PHED 1510 Training (1) (Formerly HPE 122, 124) Body Sculpting or resistance training. For example: Aerobics/Aqua, Hi-Lo, Kickboxing, Step. (F, S)

PHED 1620 Fitness (1) (Formerly HPE 110) Designed for students desiring individualized programs based on indicated needs for health related fitness. (TBA)
PHED 1620 Fitness: Concepts in Physical Education (3)  
(Formerly HPE 145). A foundation in the historical development; the physiological, psychological and sociological components; current trends; contemporary issues and the professional elements of physical education. (F, S)

PHED 1710 Martial Arts: Self-Defense (1)  
(Formerly HPE 115) Introduction to a practical system of weaponless self-defense techniques appropriate for both genders and all ages. (F, S)

PHED 1830 Running: Walking & Jogging (1)  
(Formerly HPE 111) Techniques of walking and jogging. Exercise program individualized for appropriate level of activity. (TBA)

PHED 1996 Topics in PE (1)  
(Formerly HPE 112) Varying activities as indicated by topics titles (for example, Contemporary Activities/Yoga). (TBA)

HLED 1120 American Red Cross First Aid & CPR/AED (2)  
(Formerly HPE 220). 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)

HLED 1130 Concepts of Health/Wellness (3)  
(Formerly HPE 121). Concepts of physical, mental/psychological and social health; implications for lifelong health and wellness as influenced by personal behavior choices. (F, S)

HLED 1150 Lifeguarding (2)  
(Formerly HPE 216). 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.

HLED 2110 Principles of Coaching (3)  
(Formerly HPE 245). Philosophy of coaching and leadership, current trends in sports and coaching, legal and ethical issues and the professional elements of coaching. (S)

HLED 2135 Basic Care and Prevention of Athletic Injuries (3)  
(Formerly HPE 209). Identifies injury/illness risk factors associated with participation in competitive athletics; plans and implements all components of comprehensive athletic injury/illness prevention program. Prerequisite: HLED 2120, 2410 or current basic first aid/CPR certification. (S)

HLED 2170 Motor Behavior I (3)  
(Formerly HPE 212). 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: HLED 2170L. Prerequisites: grade “C” or higher in EXSC 2120. Specific instructor permission is required to enter the online section. (F, S)

HLED 2170L Motor Behavior I Laboratory (1)  
(Formerly HPE 212L). Practical applications of basic motor behavior knowledge through a hands-on approach. Concurrent enrollment: HLED 2170.

HLED 2230 Teaching Movement: Aquatics (3)  
(Formerly HPE 298A). Fundamental skills for water activity, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to water activity.

HLED 2330 Teaching Movement: Fitness Activities (3)  
(Formerly HPE 298F). 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.

HLED 2340 Teaching Movement: Team Sports (3)  
(Formerly HPE 298T). 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.

HLED 2410 CPR Re-Certification (1)  
(Formerly HPE 221). Re-certification in CPR. Prerequisite: HLED 1120 or instructor approval. (May be repeated for credit up to six times.) (F, S)

HLED 2520 Media and Public Relations (3)  
(Formerly HPE 207). 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)

HLED 2630 Pharmacology Education for Healthcare (3)  
(Formerly HPE 240). Examines classifications, therapeutic use, misuse and effects of drugs. Includes protocols for therapeutic use as well as legal and ethical concerns. (F)

**HEALTH AND PHYSICAL EDUCATION (HPE, HLED, PHED) – UPPER DIVISION**

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 taxation 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 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 1310/1320 with labs or 2210/2225 with labs. (F, 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: Concurrent enrollment: HPE 313L. (F, S)

HPE 313L Physiology of Exercise Laboratory (1) Demonstrations, hands-on experiments 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: ENGL 1120. (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: ENGL 1120. (Su)

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 334 Coaching of Softball and Baseball (3) Methods of coaching; team development and individual skills. (F)

HPE 338 Coaching of Soccer (3) Methods and philosophies of coaching soccer. Development of strategies for teaching soccer fundamentals, designing safe and age-appropriate soccer practice activities, designing appropriate training sessions and progressions. (Even 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 344 Recreation and Intramural Programming (3) Organization and supervision of intramural and community-based sport and leisure programs. (S)

HPE 345 Physical Activity: Law and Ethics (3) Laws and ethical issues pertaining to health, physical education, intramural sports and athletics. Prerequisite: ENGL 1120. (F, S)

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 350 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 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 6 hours.) Prerequisites: HLED 2135 and head athletic trainer approval.

HPE 405 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: ENGL 1120.

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: HLED 2320, 2170/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: ENGL 1120; completion of HPE 380 recommended.

HPE 468 Workshop in Health and Physical Education (1-3) As announced. (May be repeated for a maximum 6 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: HLED 1130. (S)

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 K-12 physical education, fitness training, recreation management, etc. Prerequisite: HPE 433. (F, S)

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 adviser. (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. In addition, students must present proof of current first aid and CPR certification to successfully complete the class. (F, S)

HPE 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 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.)

HOSPITALITY MANAGEMENT (HRTM) – LOWER DIVISION

HRTM 2996 Topics in Hospitality Management (1-3) (Formerly HRTM 293) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

HRTM 300 Convention and Event Management (3). The use of best practices, budgeting, planning, and scheduling of conferences, conventions, and events that allow a streamlined and seamless experience for the attendees. Special focus is paid to internal operations and planning to large-scale symposiums. (F)

HRTM 305 Hotel and Club Management (3). A review of the principles and practices of managerial functions relating to the operation of lodging as well as club and resort. (S)

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. (S)

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 6 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. (F)

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 Internship (3) Students may enroll in the internship course from one (1) to three (3) credit hours. For each credit hour, a minimum of 55 clock hours on-the-job experience related to the discipline must be completed. Grading is satisfactory/unsatisfactory. Check with the academic adviser for internship guidelines and specific requirements. Prerequisites: instructor, academic adviser and dean approval. (F, S, Su)

HRTM 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: instructor, academic adviser and dean approval. (TBA)

HRTM 493 Topics in Hospitality Management (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: instructor approval. (TBA)

HUMANITIES (HUMN) – LOWER DIVISION

HUMN 1110 Introduction to World Humanities I (3) (Formerly HUM 221). This course is an interdisciplinary introduction to the cultural contributions and expressions in ancient world civilizations such as Mesopotamia, Greece, Rome, Asia, Africa, and the Americas, emphasizing artistic expression, philosophical thought, and religious practices in these civilizations, as well as historical, scientific, and technological developments. (F)

HUMN 2110 Introduction to World Humanities II (3) (Formerly HUM 222). This course is an interdisciplinary introduction to the interrelationships of cultural contributions and values during the Renaissance, Baroque, Enlightenment, Romantic, and Modern eras in Europe as well as those during the same time periods in China, Japan, Africa, other parts of the Middle East, and Latin America. The course will emphasize artistic expression, philosophical thought, and religious practices in these regions, as well as historical and technological developments. (S)

HUMN 2993 Workshop in Humanities (1-3) (Formerly HUM 268) As announced. (May be repeated for a maximum of 4 hours if topics are different.) (TBA)

HUMN 2996 Topics in Humanities (1-3) (Formerly HUM 293) As announced. (May be repeated for credit if topics are different.) (TBA)

HUMANITIES (HUMN) – UPPER DIVISION

HUMN 468 Workshop in Humanities (1-3) As announced. (May be repeated for a maximum of 4 hours if topics are different.) (TBA)

HUMN 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval. (TBA)

HUMN 493 Topics in Humanities (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

INFORMATION SYSTEMS (BCIS, IS) – LOWER DIVISION

BCIS 1110 Introduction to Computer Systems (3) (Formerly IS 151). Examination of information systems and their impact on commerce, education, and personal activities. Utilization of productivity tools for communications, data analysis, information management and decision-making. (F, S, Su)

BCIS 2996 Topics in Information Systems (1-3) (Formerly IS 293) As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: instructor approval. (TBA)

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: BCIS 1110; MATH 1350. (F, S)
### INFORMATION SYSTEMS (BCIS) – UPPER DIVISION

**BCIS 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)

**BCIS 315 E-Business Strategy (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 technology solutions required to implement reliable and efficient e-business solutions. Prerequisite: BCIS 301. (S)

**BCIS 316 Cyber 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: BCIS 301. (S)

**BCIS 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: BCIS 301 (or CS 220 for CS majors). (F)

**BCIS 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: BCIS 343 (or CS 357 for CS majors). (F)

**BCIS 435 Communications and Networking (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: BCIS 316 (or CS 357 for CS majors). (F)

**BCIS 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)

**BCIS 489 Internship (3)** Students may enroll in the internship course from one (1) to three (3) credit hours. For each credit hour, a minimum of 55 clock hours on-the-job experience related to the discipline must be completed. Grading is satisfactory/unsatisfactory. Check with the academic adviser for internship guidelines and specific requirements. Prerequisites: instructor, academic adviser and dean approval. (F, S, Su).

**BCIS 491 Directed Study (1-3)** Independent study. (May be repeated for a maximum of 4 Hours). Prerequisites: instructor, academic adviser and dean approval. (TBA)

**BCIS 493 Topics in Information Systems (1-3)** As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: instructor approval. (TBA)

### MATHEMATICS (MATH) – LOWER DIVISION

**MATH 1130 Survey of Mathematics (4)** (Formerly MATH 113). This course will develop students’ ability to work with and interpret numerical data, to apply logical and symbolic analysis to a variety of problems, and/or to model phenomena with mathematical or logical reasoning. Topics include financial mathematics used in everyday life situations, statistics, and optional topics from a wide array of authentic contexts. (F, S, Su)

**MATH 1216 Preparatory Algebra (4)** (Formerly MATH 104) Graphing, equations, inequalities, functions, and factoring. Focused preparation for MATH 1220, College Algebra. No prerequisite. Initial math placement is determined by a combination of math ACT score and high school GPA. Please consult your adviser. (F, S, Su)

**MATH 1218 Foundations for Statistics (4)** (Formerly MATH 106) 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. (F, S, Su)

**MATH 1220 College Algebra (4)** (Formerly MATH 119) The study of equations, functions and graphs, reviewing linear and quadratic functions, and concentrating on polynomial, rational, exponential and logarithmic functions. Emphasizes algebraic problem solving skills and graphical representation of functions. Prerequisite: MATH 1216 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 adviser. (F, S, Su)

**MATH 1230 Trigonometry (3)** (Formerly MATH 120) A study of plane trigonometry including the definitions of the fundamental trig functions using right angle triangle and unit circle approaches. Trig functions of any real number will be evaluated and the functions graphed along with their transformations. Trigonometric identities will be developed and demonstrated including multiple angle identities and identities developed from them. Inverse Trigonometric functions will be developed and used to solve trigonometric equations. Trigonometric applications will be solved using right angle trigonometry and the laws of sines and cosines. Trigonometric methods will be applied to complex numbers and the use of 2D vectors and vector dot products. Prerequisite: MATH 1220 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 1350 Introduction to Statistics (4)** (Formerly STAT 213) This course discusses the fundamentals of descriptive and inferential statistics. Students will gain introductions to topics such as descriptive statistics, probability and basic probability models used in statistics, sampling and statistical inference, and techniques for the visual presentation of numerical data. These concepts will be illustrated by examples from a variety of fields. Prerequisite: MATH 1218 or 1220 or IS10 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 adviser. (F, S, Su)
MATH 1430 Applications of Calculus I (3) (Formerly MATH 215) An algebraic and graphical study of derivatives and integrals, with an emphasis on applications to business, social science, economics and the sciences. Prerequisite: MATH 1220 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 1510 Calculus I (4) (Formerly MATH 124) Introduces the intuitive, numerical and theoretical concepts of limits, continuity, differentiation and integration. Includes the study of extrema, curve sketching, and applications involving algebraic, exponential, logarithmic and trigonometric functions. Designed for mathematics, science and engineering majors. Prerequisites: MATH 1220 and 1230 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 1520 Calculus II (4) (Formerly MATH 132) Continues course of study begun in Calculus I. Covers integration techniques, numerical integration, improper integrals, some differential equations, sequences, series and applications. Prerequisite: MATH 1510. (F, S)

MATH 2530 Calculus III (4) (Formerly MATH 202) The purpose of this course, which is a continuation of MATH 1520, is to study the methods of calculus in more detail. The course will cover the material in the textbook from Chapters 10-14. Vectors in the plane and 3-space, vector calculus in two-dimensions, partial differentiation, multiple integration, topics in vector calculus, and complex numbers and functions. Prerequisite: MATH 1520. (F)

MATH 2610 Elementary Mathematical Concepts I (3) (Formerly MATH 261) The fundamental operations; an intuitive development of whole numbers, integers, and rational numbers; elementary number theory; introduction to problem-solving strategies; and introduction to functions and modeling. (F, S)

MATH 2625 Elementary Mathematical Concepts II (3) (Formerly MATH 262) Development of rational numbers, algebraic, exponential, logarithmic and trigonometric functions, the language of algebra, sets, logic, properties of integers, mathematical induction, functions. Prerequisite: MATH 2610 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 2993 Workshop in Mathematics (1-3) (Formerly MATH 299) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

MATH 2996 Topics in Mathematics (1-3) (Formerly MATH 293) As announced. (May be repeated for credit if topics are different.) (TBA)

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 1520. (F)

MATH 341 Abstract Algebra I (3) Formal algebraic systems: rings, fields, order relations, groups, modular arithmetic. Prerequisite: MATH 340. (Odd 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 2625 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 2530. (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 2530 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 2530.

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 418 Decision Theory and Prescriptive Analytics (3) Introduction to normative and descriptive decision theories for a mathematical viewpoint. Introduction to prescriptive analytics. Topics include Bayes theorem, elementary decision and game theories, and mathematical analytical models and applications of machine learning to these areas. Prerequisites: CS 120 and MATH 1350. (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 6 hours if topics are different.)

MATH 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval.

MATH 493 Topics in Mathematics (1-3) As announced. (May be repeated for credit if topics are different.)

MANAGEMENT (MGMT) – LOWER DIVISION

MGMT 2110 Principles of Management (3) (Formerly MGT 201) An introduction to the basic theory of management including the functions of planning, organizing, staffing, leading, and controlling; while considering management's ethical and social responsibilities. (F, S)

MGMT 2996 Topics in Management (1-3) (Formerly MGT 293) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

MANAGEMENT (MGMT) – UPPER DIVISION

MGMT 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; MGMT 2110 is not required but is recommended. (F, S)

MGMT 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: MGMT 313. (F)

MGMT 425 Training and Development (3) Study of the concepts and theories necessary for the design and delivery of training activities within the workplace. Prerequisite: MGMT 313. (F)

MGMT 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 performance capabilities through self-assessment and awareness exercises. Prerequisite: junior standing. (S)

MGMT 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: MGMT 313. (S)

MGMT 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. (Even F)

MGMT 442 Management and Society (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: MGMT 313. (S)

MGMT 460 Advanced Production & Operations Management (3) This course provides students with an understanding of the advanced activities of managing production and operations (POM). POM profoundly effects productivity of both manufacturing and services operations. POM is a blend of topics from economics, industrial engineering, leadership, strategic planning, management science, and statistics. Prerequisite: BUSA 330 (S)

MGMT 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: MGMT 313. (F)

MGMT 489 Internship (1-3) Students may enroll in the internship course from one (1) to three (3) credit hours. For each credit hour, a minimum of 55 clock hours on-the-job experience related to the discipline must be completed. Grading is satisfactory/unsatisfactory. Check with the academic adviser for internship guidelines and specific requirements. Prerequisites: instructor, academic adviser and dean approval. (F, S, Su)

MGMT 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: instructor, academic adviser and dean approval. (TBA)

MGMT 493 Topics in Management (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: instructor approval. (TBA)

MARKETING (MKTG) – LOWER DIVISION

MKTG 2110 Principles of Marketing (3) (Formerly MKTG 201) Survey of modern marketing concepts and practices focusing on the marketing mix: product, pricing, promotion, and distribution strategies. Topics include: the marketing environment, consumer behavior, marketing research, target marketing, and the ethical and social responsibilities of marketers. (F, S)

MKTG 2996 Topics in Marketing (1-3) (Formerly MKTG 293) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

MARKETING (MKTG) – UPPER DIVISION

MKTG 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: MKTG 2110. (S)

MKTG 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: MKTG 2110. (S)

MKTG 360 Professional Selling (3) Problems related to the field of personal selling. Prerequisite: MKTG 2110. (S)
**MKTG 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: MKTG 2110. (F)

**MKTG 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: MKTG 2110. (F)

**MKTG 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)

**MKTG 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: MKTG 2110. (F)

**MKTG 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: MKTG 2110. (F)

**MKTG/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. (F, S)

**MKTG 489 Internship (3)** Students may enroll in the internship course from one (1) to three (3) credit hours. For each credit hour, a minimum of 55 clock hours on-the-job experience related to the discipline must be completed. Grading is satisfactory/unsatisfactory. Check with the academic adviser for internship guidelines and specific requirements. Prerequisites: instructor, academic adviser and dean approval. (F, S, Su)

**MKTG 491 Directed Study (1-3)** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisites: MKTG 2110 and instructor, academic adviser and dean approval. (TBA)

**MKTG 493 Topics in Marketing (1-3)** As announced. (May be repeated for a maximum of 4 hours if topics are different.) Prerequisite: instructor approval. (TBA)

### MUSIC ENSEMBLES (MUS)

Music Ensembles (1) Letter grades will be given for all ensembles. (May be repeated for credit.) 2000-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. 400-level ensembles are open only to junior and senior music majors and music minors.

#### Large Ensembles

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUS 237,437</td>
<td>Chamber Singers (1)</td>
<td>(Open by audition only) (F, S)</td>
</tr>
<tr>
<td>MUS 276,476</td>
<td>University Singers (1)</td>
<td>(F, S)</td>
</tr>
<tr>
<td>MUS 296,496</td>
<td>Wind Symphony (1)</td>
<td>(Open by audition only) (F, S)</td>
</tr>
<tr>
<td>MUS 297,497</td>
<td>Marching Band (1)</td>
<td>(F)</td>
</tr>
<tr>
<td>MUS 298,498</td>
<td>Symphonic Band (1)</td>
<td>(S)</td>
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#### Small Ensembles

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<thead>
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<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUS 247,447</td>
<td>Swanee Singers (1)</td>
<td>(Open by audition only) (F)</td>
</tr>
<tr>
<td>MUS 269,469</td>
<td>Instrumental Ensembles: Steel Band (1) (F, S)</td>
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Private Lessons for Non-Majors (may be repeated for credit)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUS 209,409</td>
<td>Secondary Instrument</td>
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<tr>
<td>MUS 210,410</td>
<td>Voice</td>
<td></td>
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<tr>
<td>MUS 220,420</td>
<td>Piano</td>
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<tr>
<td>MUS 240,440</td>
<td>Woodwind Instruments</td>
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<tr>
<td>MUS 250,450</td>
<td>Brass Instruments</td>
<td></td>
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<tr>
<td>MUS 258,458</td>
<td>Composition</td>
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<tr>
<td>MUS 260,460</td>
<td>Percussion Instruments</td>
<td></td>
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<tr>
<td>MUS 270,470</td>
<td>Electronic Media</td>
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<tr>
<td>MUS 290,490</td>
<td>Organ</td>
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### MUSIC ACADEMIC COURSES (MUS/MUSC) - LOWER DIVISION

MUSC 1110. **Music Appreciation: Jazz (3)** (Formerly MUS 113B) This course explores the ideas of music in society and its cultural relevance and is designed to increase the students’ appreciation of music as well as to enhance their listening skills. Students are introduced to various periods, styles, and composers of music and become acquainted with knowledge and appreciation of Jazz from various cultures and times. (F, S)

MUSC 1120. **Music Appreciation: Rock and Roll (3)** (Formerly MUS 113C) This course explores the ideas of music in society and its cultural relevance and is designed to increase the students’ appreciation of music as well as to enhance their listening skills. Students are introduced to various periods, styles, and composers of music and become acquainted with knowledge and appreciation of Rock and Roll music from various cultures and times. (F, S)

MUSC 1130 Music Appreciation: Western Music (3) (Formerly MUS 113A) 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, Su)

MUSC 1160 Music Theory I (3) (Formerly MUS 241). Introduces the fundamentals of tonal harmony and voice leading, focusing on four-voice writing and analysis of excerpts from music literature. 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 MUSC 1210 with a grade of “C” or higher. (F)
MUSC 1165 Music Theory II (3) (Formerly MUS 242). Continuation of Music Theory I. Covers principles of harmony and voice leading, using all common diatonic triads and seventh chords. Introduces modulation, contrapuntal chord functions, and elementary structural analysis of excerpts from music literature. Prerequisite: placement test or MUSC 1160 with a grade of "C" or higher. (S)

MUS 102 Introduction to Aural Skills (1). Development of music notation, aural perception, rhythm, and sight singing. Prerequisite: passing grade of C or better. MUSC 1210. (S only)

MUSC 1180. Elementary Harmony I (1) (Formerly MUS 243) Basic tertian harmonic principles, counterpoint, voice leading, and form will be explored in this course. (F)

MUSC 1185. Elementary Harmony II (1) (Formerly MUS 244) This course is a continuation of Elementary Harmony I.

MUSC 1210 Fundamentals of Music for Non-Majors (3) (Formerly MUS 101). A beginning course in the fundamentals of music; this course includes notation, scales, key signatures and intervals. Aural comprehension is introduced through singing intervals, scales and triads and dictating simple rhythmic and melodic patterns and students explore the basic components of music. (F, S, Su)

MUSC 1220 Fundamentals of Piano for Non-Music Majors (2) (Formerly MUS 107). 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)

MUSC 1250 Class Voice I (1) (Formerly MUS 114). Laboratory experiences to help solve vocal problems and develop singing potential through group methods; emphasis on development of breathing, phonation, articulation and expression. (May be repeated for a maximum of 4 credits.) (S)

MUSC 1270 Literature of Music (3) (Formerly MUS 163). Introductory course briefly covering the development of art music in the Medieval, Renaissance, Baroque, Classical, Romantic & Twentieth Century periods, as well as jazz and world music as it pertains to New Mexico and the surrounding south west areas (Native American, Hispanic, African-American). Covers major composers, genres, stylistic traits and compositional techniques as the influences from other arts, cultures, and socio-historical events. Also seeks to develop abilities in listening, score analysis, writing, and research techniques. (S)

MUSC 1310 Recital Attendance (NC) (Formerly MUS 219). This course is for music students to attend and participate in a good number of convocation, concert, and recital performances, creating a wider appreciation for the performing arts. A total of seven semesters required, MUSC 1310/419 junior, senior). (F, S)

MUSC 1475 Fundamentals of Piano (Non-Music Majors) (2) (Formerly MUS 108). For non-music majors. Continuation of MUSC 1220. Prerequisite: MUSC 1220. (TBA)

MUSC 2210 Diction I (2) (Formerly MUS 264). This course is designed to prepare students for singing in multiple languages using concepts of the International Phonetic Alphabet. Students will work to master the basics of phonetic singing to improve their overall musical abilities. Prerequisite: instructor approval. (S)

MUSC 2280 Jazz Theory (2) (Formerly MUS 200). Chords, modes, aural skills, basic keyboard skills and harmonization techniques in the jazz and commercial idioms. Study of standard jazz tunes and transcriptions jazz solos. Prerequisites: MUSC 242, 244. (Even F)

MUSC 2310 Sound and Music Technology (3) (Formerly MUS 211). This course serves as an overview of current technologies and principles for the recording and production of sound, and the use of computer-based technologies for the production of music. (F)

MUSC 2345 Class Piano I (1) (Formerly MUS 117). For music majors with little or no previous training in piano. (F)

MUSC 2350. Class Piano II (1) Formerly MUS 118. Continuation of Class Piano I. Prerequisite: MUSC 2345. (S)

MUS 243 Class Piano III (1) (Formerly MUS 217). Continuation of Class Piano II. Prerequisite: MUSC 118. (F)

MUSC 2360 Class Piano IV (1) (Formerly MUS 218). Prerequisite: MUSC 2355 (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) (TBA)

MUSC 208 Private Lessons for the Non-Major (1) (Formerly MUS 208). Studio instruction in voice, keyboard, percussion, string or wind instruments for students not majoring in music. (May be repeated for credit) Prerequisites: instructor approval; MUSC 1XXX (108) for piano students; MUSC 1250 for voice students. (F, S)

MUSC 209 Private Lessons: Secondary Instrument (1-3) (Formerly MUS 209). Private lessons for music majors on instruments (and voice) other than their principal instrument. (May be repeated for a maximum of 3 credits.) Prerequisite: instructor approval. (F, 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.)

MUSC 2993 Workshop in Music (1-3) (Formerly MUS 268) (May be repeated for credit if topics are different. (TBA)

MUSC 2996 Topics in Music (1-3) (Formerly MUS 293) As announced. May include topics relating to theory, history or performance repeated for credit if topics are different.) (F, S)

MUSIC (MUS/MUSC) -UPPER DIVISION

MUSC 301 Jazz Improvisation I (2) Chord and mode study on primary instrument. Study of standard jazz tunes and transcriptions of recorded jazz solos. Prerequisite: MUSC 1160. (Even S)

MUSC 306 Conducting I (1) Introduction to basic conducting techniques; patterns, gesture, starts and stops, cues, fermatas, use of the left hand. Prerequisites: MUSC 341, 343. (S)

MUSC 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)

MUSC 311 Seminar in Instrumental Literature (2) Exploration of solo and chamber ensemble repertoire for wind and percussion instruments. (F, S)

MUSC 332 Functional Piano (1) Laboratory experience in functional piano skills. Development of sight reading, transposing, harmonization and improvisational skills. Prerequisite: MUSC 2360 (S)

MUSC 333 History of Music I (3) Music from the beginning of Western Civilization to 1750. Prerequisite: music major. (F)

MUSC 334 History of Music II (3) Music from 1750 to present. Prerequisite: music major. (S)
MUSC 341 Music Theory III (3) Functional harmony, analytical systems, formal designs and chromatic harmony. Prerequisite: MUSC 1165 with a grade of "C" or higher. (F)

MUSC 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: MUSC 341 with a grade of "C" or higher. (S)

MUSC 343 Aural Skills III (1) Development of music reading, aural perception, rhythm and sight singing. Prerequisite: MUSC 1185 (MUS 244) with a grade of "C" or higher. Also concurrent enrollment (or grade of "C" or higher) in MUSC 341 or by instructor approval. (F)

MUSC 344 Aural Skills IV (1) Development of music reading, aural perception, rhythm and sight singing. Prerequisite: MUSC 343 with a grade of "C" or higher. Also concurrent enrollment (or grade of "C" or higher) in MUSC 342 or by instructor approval. (S)

MUSC 362 Orchestration and Arranging (2) Functional knowledge of wind, string, fretted and percussion instruments. Arranging and transcribing music for various instrumental ensembles. Prerequisite: MUSC 342. (S)

MUSC 364 Language Diction II (2) German and French pronunciation for singers, presented through the medium of the International Phonetic Alphabet. Prerequisite: MUSC 342. (F)

MUSC 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)

MUSC 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: MUSC 365. (Even S)

MUSC 367 Practicum in Pedagogy (1) Supervised teaching in applied music. (May be repeated for a maximum of 4 credits.) Prerequisite: instructor approval. (F, S)

MUSC 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)

MUSC 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: MUSC 2310. (Odd S)

MUSC 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: MUSC 2310. (Even S)

MUSC 401 Vocal Literature I (2) German lied and Italian art song. (Odd F)

MUSC 402 Vocal Literature II (2) French art song, song literature from the United States, England, Spain, Scandinavia and the Eastern Bloc countries. Prerequisite: MUSC 401. (Even S)

MUSC 405 Collaborative Piano (2) Techniques, artistic skills and repertory for accompanying. (May be repeated for credit.) Prerequisite: instructor approval. (Odd S)

MUSC 407 Senior Recital (1) For Bachelor of Music degrees in performance. Prerequisites: instructor approval and successful completion of the sophomore hurdle. (F, S)

MUSC 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; MUSC 1475 (MUS 108) for piano students; MUSC 1250 for voice students. (F, S)

MUSC 409 Applied Lessons: Secondary Instrument (1-3) Private lessons for music majors on instruments (and voice) other than their principal instrument. (May be repeated for a maximum of 3 credits.) Prerequisite: instructor approval. (F, S)

MUSC 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: MUSC 306. (F)

MUSC 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)

MUSC 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. MUSC 419 may be repeated for credit three times. (F, S)

MUSC 425 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 MUSC 342. (Odd F)

MUSC 434 Conducting I (3) Conducting fundamentals, orchestral rhythmic techniques, ear training for pit conductors. Prerequisite: MUSC 367. (Odd S)

MUSC 442 Conducting III (3) Conducting opera and musical theatre/opera. Stage movement, design/construction of set, performance and production for rotating schedule of music theatre/opera. Prerequisite: MUSC 411. (Odd F)

MUSC 443 Conducting IV (3) Conducting techniques as related to rhythm, melody, harmony, texture and formal structures. Assignments include analysis and a final project in composition. Prerequisite: MUSC 411 with a grade of "C" or higher. (S)

MUSC 452 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 adviser. (F, S)

MUSC 455 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.)

MUSC 463 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)

MUSC 468 Workshop in Music (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

MUSC 471 Piano Literature I (2) Analysis of piano literature through Beethoven. Prerequisite: completion of sophomore hurdle. (Even F)

MUSC 472 Piano Literature II (2) Analysis of piano literature after Beethoven. Prerequisite: completion of sophomore hurdle. (Odd S)

MUSC 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)

MUSC 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 credits.) Prerequisite: instructor approval. (F, S)
MUSC 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) (F, S)

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 10 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: MUSC 306, 343, 344. (S)

NURSING (NURS) – UPPER DIVISION

NURS 312 Global Health Care (3) Examine 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 context of their effects on different cultures. No prerequisites. Open to non-nursing majors. (F, S, SU)

NURS 315 Foundations of Professional Nursing (3) Survey of the history of nursing. Exploration of the role of the professional nurse in the current health care environment; formulation and application of theory-driven patient education methods. Restricted to nursing majors. (F, S)

NURS 316 Nursing Ethics (3) Evolution of nursing ethics; theories of rule ethics, virtue ethics and care ethics; framework for ethical analysis and applications across the lifespan. Restricted to nursing majors. (F, S)

NURS 317 Economics and Nursing (3) Exploration of economic factors influencing health care delivery in the U.S., including costs, government role, ethical and sociocultural factors. Restricted to nursing majors. (F)

NURS 319 Nursing Management of Pain (3) Concepts and processes relating to effective pain management; includes clinical, ethical, legal and cultural considerations. Restricted to nursing majors. (S)

NURS 320 Pathophysiology in Nursing (3) Complex mechanisms of human disease processes, with application to nursing care of clients in various settings. Restricted to nursing majors. (S)

NURS 329 Integrative Care Concepts (3) Concepts of complementary and alternative therapies (CAM), and wellness dimensions, in the care of diverse populations across the lifespan. Restricted to nursing majors. (F, S)

NURS 330 Health Assessment (3) Theory, knowledge, and skill advancement in physical and psychosocial assessment, history taking, and data collection using digital clinical technology. Restricted to nursing majors. (S, Su)

NURS 345 Community Health Practicum (3) Utilizing the theory from NURS 415, students complete 90 practicum hours of experiential learning through community service, community health assessment, and development/implementation of a community health project. Prerequisite or Concurrent enrollment: NURS 415L. Restricted to nursing majors. (F, S)

NURS 413 Nursing Theory (3) Focus on the concepts, definitions and theoretical assertions of selected nursing theorists to enhance the optimal use of theory in practice. Restricted to nursing majors. (F, Su)

NURS 415 Community Health Nursing (3) Exploration of topics encountered in community health nursing, such as public health principles, epidemiology, and vulnerable populations. Concurrent enrollment: NURS 415L. Restricted to nursing majors. (F, S)

NURS 416 Nursing Research and Evidence Based Practice (3) Critique and analysis of qualitative and quantitative nursing research and clinical practice guidelines to enhance research-informed practice. Restricted to nursing majors. (F, S)

NURS 417 Cultural Competencies for Nurses (3) Examine various aspects of diversity through a holistic perspective, while recognizing individual cultural preferences and biases. Incorporates cultural considerations in providing nursing care for a globally diverse society. Restricted to nursing majors. (F, S)

NURS 425 Nursing Leadership (3) Ethical and effective nurse leadership and management principles, career planning, and conflict resolution. The role of the nurse in promoting effective health policy is also addressed. Restricted to nursing majors. Concurrent enrollment: NURS 425L. (F, S)

NURS 425L Nursing Leadership Practicum (3) Utilizing theory from NURS 425, students will complete 90 experiential learning hours to design and develop a nursing leadership project. Course includes an interprofessional collaboration experience with students from other health care disciplines (on-line format). Restricted to nursing majors. Prerequisite or Concurrent enrollment: NURS 425. (F, S)

NURS 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval. (F, S, SU)

NURS 493 Topics in Nursing (1-3) As announced. (May be repeated for credit if topics are different) (TBA)
PERSONAL FINANCIAL PLANNING (PFP) – UPPER DIVISION

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: PFP 310 (may be taken concurrently). (TBA)

PFP 320 Business Risk Management and Insurance (3) Identification, measurement and control of non-specified 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: PFP 310 (may be taken concurrently). (TBA)

PFP/FIN 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: PFP 310 (may be taken concurrently). (F)

PFP 340 Tax Planning (3) Use of research tools in a professional tax library, tax planning and tax consequences of individuals and various forms of business organizations. Prerequisite: PFP 310 (may be taken concurrently). (TBA)

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: PFP 310 (may be taken concurrently). (TBA)

PFP 360 Estate Planning (3) Application of estate planning methodologies and policies to personal financial planning. Prerequisite: PFP 310 (may be taken concurrently). (TBA)

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. (TBA)

PFP 489 Internship (1-3) Students may enroll in the internship course from one (1) to three (3) credit hours. For each credit hour, a minimum of 55 clock hours on-the-job experience related to the discipline must be completed. Grading is satisfactory/unsatisfactory. Check with the academic advisor for internship guidelines and specific requirements. Prerequisites: instructor, academic advisor and dean approval. (TBA)

PFP 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours if topics are different.) Prerequisites: instructor, academic advisor and dean approval. (TBA)

PFP 493 Topics in Personal Financial Planning (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) Prerequisite: instructor approval. (TBA)

PHILOSOPHY (PHIL) – LOWER DIVISION

PHIL 1115 Introduction to Philosophy (3) (Formerly PHIL 201) In this course, students will be introduced to some of the key questions of philosophy through the study of classical and contemporary thinkers. Some of the questions students might consider are: Do we have free will? What is knowledge? What is the mind? What are our moral obligations to others? Students will engage with and learn to critically assess various philosophical approaches to such questions. (F)

PHIL 1120 Logic, Reasoning, & Critical Thinking (3) (Formerly PHIL 202) The purpose of this course is to teach students how to analyze, critique, and construct arguments. The course includes an introductory survey of important logical concepts and tools needed for argument analysis. These concepts and tools will be used to examine select philosophical and scholarly texts. (S)

PHIL 2993 Workshop in Philosophy (1-3) (Formerly PHIL 268) As announced. (May be repeated for credit if topics are different.)

PHIL 2996 Topics in Philosophy (1-3) (Formerly PHIL 293) As announced. (May be repeated for credit if topics are different.)

PHILOSOPHY (PHIL) – UPPER DIVISION

PHIL 468 Workshop in Philosophy (1-3) As announced. (May be repeated for a maximum of 4 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) – LOWER DIVISION

PHYS 1115 Survey of Physics (3) (Formerly PHYS 113) Overview of the concepts and basic phenomena of physics. This course provides a largely descriptive and qualitative treatment with a minimum use of elementary mathematics to solve problems. No previous knowledge of physics is assumed. Concurrent enrollment PHYS 1115L. (Odd S)

PHYS 1115L Survey of Physics Laboratory (1) (Formerly PHYS 113L) A series of laboratory experiments associated with the material presented in PHYS 1115. Concurrent enrollment PHYS 1115. (Odd S)

PHYS 1125 Physics of Music (3) (Formerly PHYS 123) Introduction for non-science majors to basic concepts, laws, and skills in physics, in the context of a study of sound, acoustics, and music. Concurrent enrollment PHYS 1125L. (Even S)

PHYS 1125L Physics of Music Laboratory (1) (Formerly PHYS 123L) Experiments to accompany PHYS 1125. Concurrent enrollment PHYS 1125. (Even S)

PHYS 1230 General Physics (3) (Formerly PHYS 151) An algebra-based treatment of Newtonian mechanics. Topics include kinematics and dynamics in one and two dimensions, conservation of energy and momentum, rotational motion, equilibrium, and fluids. Prerequisite: college algebra (or higher) with a grade of “C” or higher. Concurrent enrollment PHYS 1230L. (F)

PHYS 1230L General Physics Laboratory (1) (Formerly PHYS 151L) A series of laboratory experiments associated with the material presented in PHYS 1230. Concurrent enrollment PHYS 1230. (F)

PHYS 1240 General Physics (3) (Formerly PHYS 152) The second half of a two semester algebra-based introduction to Physics. This course covers electricity, magnetism and optics. Prerequisites: PHYS 1230L, college algebra (or higher) with a grade of “C” or higher. Concurrent enrollment PHYS 1240L. (S)

PHYS 1240L General Physics Laboratory (1) (Formerly PHYS 152L) A series of laboratory experiments associated with the material presented in PHYS 1240. Concurrent enrollment PHYS 1240. (S)
POLITICAL SCIENCE (POLS) – LOWER DIVISION

POLS 1110 Introduction to Political Science (3) (Formerly PSCI 101) This course covers fundamental concepts in political science, such as political theories, ideologies, and government systems. (F, S)

POLS 1120 American National Government (3) (Formerly PSCI 102) This course explains the role of American national government, its formation and principles of the Constitution, relation of state to the national government; political parties and their relationship to interest groups. This course also explains the structure of the legislative, executive, and judicial branches. (F, S)

POLS 2110 Comparative Politics (3) (Formerly PSCI 207) This course introduces comparative politics by examining the political history, social and economic structures, and contemporary political institutions and behavior, with focus on occurrences in countries representing diverse cultures, geographies, and levels of development. (Odd S)

POLS 2993 Workshop in Political Science (1-3) (Formerly PSCI 268) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

POLS 2996 Topics in Political Science (1-3) (Formerly PSCI 293) As announced. (May be repeated for credit if topics are different.) (TBA)

POLITICAL SCIENCE (POLS) – UPPER DIVISION

POLS 302 Constitutional Law (3) A study of American constitutional law dealing with presidential and congressional powers, individual rights and civil liberties. Prerequisites: POLS 1110, 1120. (Even F)

POLS 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: POLS 1110, 1120. (Even S)

POLS 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)

POLS 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: POLS 1110, 1120. (Odd S)

POLS 307 Law and Morality (3) Study of the relation between law and morality; surveys political, legal and moral philosophers and judicial opinions. Prerequisite: POLS 1120. (Even S)

POLS 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: POLS 1120. (TBA)

POLS/PSYC 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 Diversity/Global upper-division requirement. (F, S)

POLS 314 Legislative Behavior (3) A comparative study of the development of legislatures and legislative behavior in the United States and other countries. Prerequisites: POLS 1110, 1120. (F 2019)

POLS 315 The Presidency (3) Development of the power of the United States presidency and its place in the national government. Prerequisites: POLS 1110, 1120. (F 2018)

POLS 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: POLS 1110, 1120. (F 2017)

POLS/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)

POLS 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: POLS 1110, 1120. (F 2020)

POLS 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: POLS 1110, 1120. (F 2019)

POLS 464 Contemporary Problems (3) Current critical problems and issues in domestic and/or international relations. Prerequisites: POLS 1110, 1120. (TBA)

POLS 466 Workshop in Political Science (1-3) As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

POLS 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: POLS 1110, 1120. (F)

POLS 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)

POLS 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: POLS 1110, 1120. (Odd S)

POLS 488 Internship (3) The applied study of the political environment of public sector with work experience. Department approval necessary and only 3 hours can be used toward the PSCI major. Prerequisites: POLS 1120; 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)

POLS 491 Directed Study (1-3) As announced. (May be repeated for a maximum of 4 hours.) Prerequisite: instructor approval. (TBA)

POLS 493 Topics in Political Science (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)
**PSYCHOLOGY (PSYC) – LOWER DIVISION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSYC 1110</td>
<td>Introduction to Psychology</td>
<td>This course will introduce students to the concepts, theories, significant findings, methodologies, and terminology that apply to the field of psychology.</td>
<td>(F, S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2120</td>
<td>Developmental Psychology</td>
<td>Study of human physical and psychological change and stability from a lifespan development perspective.</td>
<td>(F, S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2140</td>
<td>Child Psychology</td>
<td>Study of human physical and psychological change and stability from conception through the late childhood years.</td>
<td>(F, S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2130</td>
<td>Adolescent Psychology</td>
<td>Study of human physical and psychological change and stability from adolescence through the emerging adulthood years.</td>
<td>(F, S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2520</td>
<td>Research Methods and Statistics in Psychology</td>
<td>Designed to develop students' APA writing, research, and statistics skills in psychology.</td>
<td>Prerequisite: C or better in PSYC 1110. (F, S, Su)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2996</td>
<td>Topics in Psychology</td>
<td>As announced. (May be repeated for credit if topics are different.)</td>
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<td>1-3</td>
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**PSYCHOLOGY (PSYC) – UPPER DIVISION**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PSYC 300</td>
<td>Psychology of Adult Development</td>
<td>Study of human physical and psychological change and stability through the adulthood years.</td>
<td>Prerequisite: PSYC 1110. (S, Su)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 302</td>
<td>Learning</td>
<td>Theoretical foundations of learning and behavior management paradigms.</td>
<td>Prerequisite: PSYC 1110. (F)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC/POLS 312</td>
<td>Psychology of Global Political Behavior</td>
<td>Examines personal, situational and systemic causes of political behavior both within and across national boundaries.</td>
<td>Prerequisite: PSYC 1110. (F)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC/SOCI 324</td>
<td>Social Psychology</td>
<td>Human interaction in social groups; the social aspects of human behavior.</td>
<td>Prerequisite: SOCI 1110 or PSYC 1110. (F, S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 350</td>
<td>Experimental Psychology</td>
<td>Survey of major findings and methods of experimental psychology, including perception, psychophysics, attention, and memory.</td>
<td>Prerequisite: C or better in PSYC 2520. (F, S)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 402</td>
<td>Abnormal Psychology</td>
<td>Normal and abnormal behavior, etiology, psychodynamics, transient stress reactions, psychophysiological reactions, psychoneurotic reactions and the functional psychoses.</td>
<td>Prerequisite: PSYC 1110. (F, S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 411</td>
<td>Theories of Personality</td>
<td>Personality theories with emphasis on description, dynamics and determinants of personality.</td>
<td>Prerequisites: PSYC 1110; PSYC 2120 or 2140 or 2130 or 300. (S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 421</td>
<td>Cross Cultural Psychology</td>
<td>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.</td>
<td>Prerequisite: PSYC 1110. (Odd F)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 435</td>
<td>Cognition</td>
<td>Survey of cognitive psychology emphasizing the information processing approach to the study of mental behavior including attention, memory, language and problem solving.</td>
<td>Prerequisite: PSYC 1110. (S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 443</td>
<td>Theories of Psychological Counseling</td>
<td>Current theories of counseling and application.</td>
<td>Prerequisites: PSYC 1110; PSYC 2120 or 2140 or 2130 or 300. (F)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 445</td>
<td>Introduction to Multicultural Counseling</td>
<td>Theories and research on counseling in a multicultural setting; current issues/concerns and counseling practices within the multicultural context.</td>
<td>Prerequisite: PSYC 1110. (Odd S)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 467</td>
<td>Physiological Psychology</td>
<td>The relationship between psychological process and physiological activity; neurophysiological mechanisms present in behavior.</td>
<td>Prerequisite: PSYC 1110. (F, S)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 468</td>
<td>Workshop in Psychology</td>
<td>As announced.</td>
<td></td>
<td>1-3</td>
</tr>
<tr>
<td>PSYC 481</td>
<td>Advanced Social Psychology</td>
<td>Advanced study of topics within social psychology; interpretation of published theoretical and empirical work.</td>
<td>Prerequisite: PSYC 324. (Even F)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 483</td>
<td>Field Placement</td>
<td>Field placement in an appropriate agency. Supervision by professional staff from a cooperating agency and the department of psychology faculty.</td>
<td>(May be repeated for credit up to 10 credit hours.) Prerequisite: instructor approval.</td>
<td>3-10</td>
</tr>
<tr>
<td>PSYC 491</td>
<td>Directed Study</td>
<td>Independent study. (May be repeated for a maximum of 6 hours.) Prerequisite: instructor approval.</td>
<td></td>
<td>1-3</td>
</tr>
<tr>
<td>PSYC 493</td>
<td>Topics in Psychology</td>
<td>As announced. (May be repeated for credit with advisor approval if topics are different.)</td>
<td></td>
<td>1-3</td>
</tr>
<tr>
<td>PSYC 495</td>
<td>Senior Thesis</td>
<td>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 3 credit hours.) Must be senior psychology major. Prerequisites: C or better in PSYC 350 and consent of instructor.</td>
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**RELIGION (RELG) – LOWER DIVISION**

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<thead>
<tr>
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<tbody>
<tr>
<td>RELG 1110</td>
<td>Introduction to World Religions</td>
<td>This course introduces major world religions and the scholarly methods of the academic study of religion. Religions covered may include Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity, Islam and/or New Religious Movements.</td>
<td>(F, S)</td>
<td>3</td>
</tr>
</tbody>
</table>
RELG 1123 Hebrew Bible (3) (Formerly REL 101) An introduction to the history, beliefs, practices, and development of the Hebrew and later Jewish religion as reflected in the Hebrew Biblical Scriptures, using a historical and critical approach, with attention given to understanding its sociocultural and political environment. (F, S)

RELG 1126 New Testament (3) (Formerly REL 103) An introduction to the history, beliefs, practices, and development of the early Christian religion as reflected in the New Testament, using a historical and critical approach, with attention given to understanding its sociocultural and political environment. (F, S)

RELG 1510 Life of Christ (3) (Formerly REL 105) The Life of Christ is a course that examines the life of Christ with regard to the events and teachings of Jesus as recorded in the Synoptic gospels namely, Matthew, Mark and Luke. It is also an introduction in the field of textual and synoptic criticism. (S)

RELG 2140 The Book of Acts (3) (Formerly REL 211) An examination of the work of Peter and other early Christian leaders; missionary journeys of Paul; and the spread of early Christianity as recounted in the Book of Acts. (Even F)

RELG 2210 Biblical Perspectives on Relationships (3) (Formerly REL 220) Application of Biblical ethics and values to contemporary relationships including singleness, marriage and family life. (Odd S)

RELG 2510 Principles of Textual Interpretation (3) (Formerly REL 201) A study of the principles of interpretation and the application of these principles to selected portions of Scripture. (F)

RELG 2993 Workshop in Religion (1-3) (Formerly REL 268) (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

RELG 2996 Topics in Religion (1-3) (Formerly REL 293) (May be repeated for credit if topics are different.) (TBA)

RELIGION (RELG) – UPPER DIVISION

RELG 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)

RELG 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)

RELG 305 Historical Literature of the Old Testament (3) A study of the historical books of the Hebrew Scriptures, from Joshua through Esther. (Even S)

RELG 310 The Poetical Literature of the Old Testament (3) Hebrew poetry with emphasis on the Book of Psalms. (Odd F)

RELG 312 Philosophy of Religion (3) Issues of religious thought, belief and practice, approached from a philosophical and historical perspective. (Even F)

RELG 315 Prophetic Literature of the Old Testament (3) History, character, function and message of the Hebrew prophets. (Odd F)

RELG 320 Christian Ethics (3) A study of Christian ethics in both its historical and biblical context. (Odd S)

RELG 330 History of Christianity (3) The history of Christianity from its inception to the present. The social, political and theological influences which have shaped Christianity through the ages, in specific locations and globally. Key people, movements, issues and problems which have influenced the development of Christianity. (F)

RELG 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. (Even S)

RELG 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)

RELG 334 Revelation and Apocalyptic Literature (3) Interpretation of the Book of Revelation and other apocalyptic literature, including the books of the Hebrew Scriptures. (Odd F)

RELG 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)

RELG 342 Philosophical Issues of Religion (3) An examination of the history, literature and thought of the history and thought of the great religions functioning in the world today. (Even F, S)

RELG 343 Biblical Archaeology (3) An in-depth examination of St. Paul’s early epistles with special focus on Church order and organization. (Odd S)

RELG 344 Comparative Study of Eastern Religions (3) An in-depth examination of St. Paul’s later epistles with a special focus on the establishment of Christian doctrine and practice for the early Church. (Odd S)

RELG 345 Biblical Archaeology (3) Archaeology of the Near East, especially ancient Mesopotamia, the Levant and Egypt, with reference to Old Testament history. (Even S)

RELG 411 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)

RELG 441 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)

RELG 448 Workshop in Religion (1-3) As announced. (May be taken for a maximum of 6 hours if topics are different.) (TBA)

RELG 497 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 hours.) (TBA)

RELG 499 Senior Seminar (1) Capstone course focusing on exegesis of scripture and preparation of a message. Required of all religion majors. (S)
### SOCIOLOGY (SOCI) – LOWER DIVISION

**SOCI 1110 Introduction to Sociology (3)** (Formerly SOC 101)  
This course will introduce students to the basic concepts and theories of sociology, as well as to the methods utilized in sociological research. The course will address how sociological concepts and theories can be utilized to analyze and interpret our social world, and how profoundly our society and the groups to which students belong influence them. Students will be given the opportunity to challenge their “taken for granted” or “common sense” understandings about society, social institutions, and social issues. Special attention will also be paid to the intimate connections between their personal lives and the larger structural features of social life. In addition, the implications of social inequalities, such as race/ethnicity, gender, and social class will be central to the course's examination of social life in the United States. (F, S)

**SOCI 2110 Major Orientation (1)** (Formerly SOC 280)  
This course is designed to prepare students for success in the sociology major. Topics include citation styles, career/graduate school preparation, writing and research ethics. To be taken by SOCI or CJUS majors concurrently with first upper-division course. (F, S)

**SOCI 2240 Sociology of Intimate Relationships and Family (3)** (Formerly SOC 215)  
This course provides an overview of contemporary intimate relationships and families from sociological perspectives. We will examine intimate relationships and families as social constructions whose meanings have changed over time and from place to place. This course will aid students in developing a greater understanding of intimate relationships and families as institutions in contemporary U.S. society. Intersections of race, class, gender, sexual orientation, nationality, and other factors within these institutions will be addressed. (F)

**SOCI 2310 Contemporary Social Problems (3)** (Formerly SOC 212)  
This course studies the nature, scope, and effects of social problems and their solutions. The course will concentrate on sociological perspectives, theories, and key concepts when investigating problems, such as inequality, poverty, racism, alienation, family life, sexuality, gender, urbanization, work, aging, crime, war and terrorism, environmental degradation, and mass media. This course is designed to build student's sociological understanding of how sociological approaches attempt to clarify various issues confronting contemporary life, as well as how sociologists view solutions to these problems. (F)

**SOCI 2993 Workshop in Sociology (1-3)** (Formerly SOC 268)  
As announced. (May be repeated for a maximum of 6 hours if topics are different.) (TBA)

**SOCI 2110 Major Orientation (1)** (Formerly SOC 280)  
This course is designed to prepare students for success in the sociology major. Topics include citation styles, career/graduate school preparation, writing and research ethics. To be taken by SOCI or CJUS majors concurrently with first upper-division course. (F, S)

**SOCI 2996 Topics in Sociology (1-3)** (Formerly SOC 293)  
As announced. (May be repeated for credit if topics are different.)

### SOCIOLOGY (SOCI) – UPPER DIVISION

**SOCI 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)

**SOCI 303 Social Stratification (3)**  
This course examines how the social constructs of race, ethnicity, social class, gender, and sexuality intersect to create social hierarchies which produce social inequalities that impact an individual's and group's life choices. (F, S)

**SOCI 311 Collective Behavior (3)**  
Behavioral patterns associated with social change and disorganization including crowds, masses and public and social movements. Prerequisite: SOCI 1110. (F)

**SOCI 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, and future possibilities. Prerequisite: three (3) hours of sociology. (S)

**SOCI/PSYC 324 Social Psychology (3)**  
Human interaction in social groups; the social aspects of human behavior. Prerequisite: SOCI 1110 or PSYC 1110. (F, S)

**SOCI 402 Classical Sociological Theory (3)**  
Conceptions and images of society, community and social relations in the past and in cross-cultural perspectives. Prerequisite: SOCI 1110. (F)

**SOCI 411 Contemporary Sociological Theory (3)**  
Major contributions to sociological theory during the twentieth century. Prerequisite: SOCI 1110. (S)

**SOCI 415 Sociology of the Family (3)**  
Family in social, cross-cultural and historical context; family forms, functions, variations, contemporary trends and issues. Prerequisite: SOCI 1110. (F, S)

**SOCI 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)

**SOCI 417 Sociology of Medicine (3)**  
Examination of how social context influences health, illness, health care systems, and the medical profession through sociological research on national and global health issues. (Odd S)

**SOCI 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. (F)

**SOCI 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)

**SOCI 430 Sociology of Punishment (3)**  
An overview of justifications for punishment and the social history of punishment practices across time and place. Includes formal and informal social control, purposes of punishment and corrections, including the consequences of mass incarceration and alternatives. Special topics may be examined when time permits. Prerequisite: SOCI 1110 or CJUS 1110. (Odd S)

**SOCI 431 Deviant Behavior (3)**  
The social construction of deviant behavior, societal reactions to deviant behavior, types of deviant behavior, and the development and management of deviant identities; includes deviant subcultures. Prerequisite: SOCI 1110. (S)

**SOCI 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. Prerequisite: ANTH 1140, SOCI 1110 or CJUS 1110. (F, S)
STATISTICS (STAT) – LOWER DIVISION

MATH 1350 Introduction to Statistics (4) (Formerly STAT 213) This course discusses the fundamentals of descriptive and inferential statistics. Students will gain introductions to topics such as descriptive statistics, probability and basic probability models used in statistics, sampling and statistical inference, and techniques for the visualization of numerical data. These concepts will be illustrated by examples from a variety of fields. Prerequisite: MATH 1218 or 107 or 1220 or 1510 with a grade of "C" or higher. (F, S)

STAT 2993 Workshop in Statistics (1-3) (Formerly STAT 268) As announced. (May be repeated for a maximum of 6 hours if topics are different.)

STAT 2996 Topics in Statistics (1-3) (Formerly STAT 293) As announced. (May be repeated for credit if topics are different.)

STATISTICS (STAT) – UPPER DIVISION

STAT 313 Statistical Methods II (3) One and two sample tests and confidence intervals for proportions; correlation and regression methods; analysis of variance. Prerequisite: MATH 1350 with a grade of "C" or higher. (S)

STAT 400 Data Science (3) Course focuses on using Python, R and other tools to build exploratory and predictive statistical analyses and models that can be applied to large unstructured and structured data sets. Topics include data munging/scraping/sampling/cleansing, data storage and management, visualization and effective communication of results. Prerequisites: CS 120, STAT 313. (Even F, S, Su)

STAT 403 Probability and Mathematical Statistics (3) Probability theory, discrete and continuous probability distributions, mathematical expectation and moment generating functions. Prerequisite: MATH 1520 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: MATH 1350; MATH 1220 or 1510. (Odd S)

STAT 468 Workshop in Statistics (1-3) As announced. (May be repeated for a maximum of 3 hours if topics are different.)
SWK 360 Chemical Dependency—Significances and Consequences (3) Acquiring knowledge, skills and values needed for the Generalist Social Worker to provide services to individuals, groups, and families and communities/organizations with specific needs and requirements pertaining to chemical dependencies. Theories, models, definitions, interventions and treatments will be examined. Open to non-majors. (Odd S)

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. Restricted to SWK majors only. (S)

SOWK 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 has an 8-week interprofessional education module within its curriculum, requiring collaboration with students from other disciplines. Restricted to SWK majors only. (F)

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. Open to all students. (S)

SWK 426 Human Diversity and Multiculturalism in Social Work Practice (3) This required foundation course is designed to increase students’ awareness, knowledge, and will provide a conceptual framework for understanding characteristics of specific population groups who have been underserved and oppressed. The course will examine the effects of social, economic and political factors on the psychosocial functioning of individuals in these groups. Students will explore personal values, biases, and stereotypes; theories of social justice and oppression. Additionally, the course will explore the relationship between cultural diversity and social change and its applications in multicultural social work settings. 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. Restricted to SWK majors only. (S)

SWK 445 Social Work Practice IV—Theories, Skills and Needs at the Macro Level (3) Theories and skills development for generalist social work practice. Focuses 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 course has an 8-week interprofessional education module within its curriculum, requiring collaboration with students from other disciplines. 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. Open to all students. (S)

SWK 448 Social Research I (2) First of a 2-part series designed to present basic statistical analysis/interpretations and research theory, methods and design. Utilizes the initial phases of Continuous Quality Improvement for student instruction of: values and ethics in research, research design and field techniques, naturalistic observation, experiments, surveys, single subject, qualitative research, computer statistical analysis. Open to non-majors but utilizes the social work model for application of the CQI process. (F)

SWK 449 Social Research II (2) Second of a 2-part series designed to present basic statistical analysis/interpretations and research theory, methods and design. Utilizes the final phases of Continuous Quality Improvement for student instruction of: values and ethics in research, research design and field techniques, naturalistic observation, experiments, surveys, single subject, qualitative research, computer statistical analysis. Open to non-majors but utilizes the social work model for application of the CQI process. (S)

SWK 450 Inside Family Violence (3) Examination of antecedent behaviors, prior family history and other contributing factors as predictors of family violence. Prevention services for victims and potential offenders as well as consequential options will be discussed. Open to all students. (F) (S)

SWK 451 Field Seminar I (1) Fundamental course in field related issues. Introduces social work knowledge, values and skills into student field placement experience. Concurrent enrollment: SOWK 455. Prerequisite: SWK 361. 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 224 total clock hours. Concurrent enrollment: SWK 451. Prerequisite: SWK 361. Restricted to SWK majors only. (F)

SWK 461 Field Seminar II (1) 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. 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: SOWK 461. Prerequisite: SWK 455. Restricted to SWK majors only. (S)

SWK 468 Workshop in Social Work (1-3) As announced. (May be repeated for a maximum of 6 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 4 credits.) Prerequisite: adviser and department chair approval. Restricted to SWK majors only. (F, S, Su)

SWK 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of 4 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. Restricted to SWK majors only. (S)

SPANISH (SPAN) – LOWER DIVISION

SPAN 1110 Spanish I (4) (Formerly SPAN 101) Designed for students with little exposure to Spanish, this course develops basic listening, speaking, reading, and writing skills and basic intercultural competence in interpretive, interpersonal and presentational modes of communication at the Novice Level of proficiency based on ACTFL guidelines. During this course, students perform better and stronger in the Novice Mid-level while some abilities emerge in the Novice High range. This is an introductory course aimed at helping the student to communicate in Spanish in everyday familiar situations via recognition and production of practiced or memorized words, phrases, and simple sentences. (F, S, Su)

SPAN 1120 Spanish II (4) (Formerly SPAN 102) Designed for students with some degree of exposure to Spanish in high school and/or at home, this course continues to develop basic listening, speaking, reading, and writing skills and basic intercultural competence in interpretive, interpersonal and presentational modes of communication based at the Novice High Level of proficiency based on ACTFL guidelines, although a few abilities may emerge in the Intermediate Low Level. Students in this course communicate in Spanish in familiar topics using a variety of words, phrases, simple sentences and questions that have been highly practiced and memorized. Prerequisite: SPAN 1110. (S)

SPAN 2120 Spanish IV (3) (Formerly SPAN 202) Designed for students who have already have, in this class they will expand their ability to describe abstract and hypothetical situations. Students will write essays, reaction papers, and creative pieces. Students will also examine formal and informal contexts of language use in speaking and writing. By studying the cultural and historical background shared by students as part of the program, students will develop an increased critical awareness of Spanish language speech communities. (S)

SPAN 2520 Short Readings in Hispanic Literature: Immersion (3) (Formerly SPAN 212) Short readings in Hispanic literature in an immersion setting. Prerequisite: SPAN 1120, 2210 or placement test. (Su)

SPAN 2521 Short Readings in Hispanic Culture: Immersion (3) (Formerly SPAN 210) Short readings in Hispanic culture and civilization in an immersion setting. Prerequisites: SPAN 1120, 2210, or placement test. (Su)

SPAN 2993 Workshop in Spanish (1-3) (Formerly SPAN 268) As announced. (May be repeated for credit if topics are different.)

SPAN 2996 Topics in Spanish (1-3) (Formerly SPAN 293) As announced. (May be repeated for credit if topics are different.)

SPANISH (SPAN) – UPPER DIVISION

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. Fuills Diversity/Global upper-division requirement. (Odd S)

SPAN 310 Spanish for Professional Personnel (3) Develop the Spanish vocabulary necessary for work in a specific field. Professional areas as announced: A. Health and Human Services; B. Educators; C. Business. D. Criminal Justice and Law. Prerequisites: Span 2120 or 2220 (Even S).

SPAN 311 Advanced Composition (3) Intensive conversation. Composition and grammar review. Concurrent enrollment: SPAN 2120 or 2220. (F)

SPAN 325 Peninsular Culture and Civilization (3) Intellectual, cultural and historical background of the Spanish people. Prerequisite: SPAN 311. (Odd 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. (Even S)

SPAN 330 Grammar (3) This course offers a comprehensive review of grammar. It covers the forms and structures of words (morphology), their customary arrangement in phrases and sentences (syntax), language sounds (phonology) and word meanings (semantics). We will focus on pronunciation, accentuation, spelling, punctuation, parts of speech, verb tenses and sentence structure. Prerequisite or Concurrent Enrollment: SPAN 2120 or 2220. (S)

SPAN 350 Advanced Conversation and Film (3) Familiarizes students with Spanish and Latin America cinematography and provides opportunities for focused conversation. Films will be used as a window to look into the history, language and memory of several Spanish speaking countries. Analysis of important themes including culture, society, politics, economy, religion, morality, gender and sexuality. Prerequisite: SPAN 2120 or 2220. (Odd S)

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 425 Transatlantic Survey I (3) An exploration of short representative works (novellas, short stories, theatre, poems, essays) of prominent Spanish and Latin American authors from the 4th century to the 19th century. Prerequisite: SPAN 311. (Even F)

SPAN 426 Transatlantic Survey II (3) An exploration of short representative works (novellas, short stories, theatre, poems, essays) of prominent Spanish and Latin American authors from the 19th century to the 21st century. Prerequisite: SPAN 311. (Odd S)

SPAN 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 4 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)

SPAN 493 Topics in Spanish (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

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 weaknesses before graduation. (S)

THEATRE (THEA, THTR) – LOWER DIVISION

THEA 1220 Beginning Acting (3) (Formerly THTR 101) This course serves as an introduction to the theory and practice of acting. Students will learn various terms, techniques, and practices of acting and will demonstrate their understanding in class. Through exercises and improvisations, partnered scenes, and group work, students will be better able to appreciate the work of others as they learn techniques of performing. This course is paired with Freshman Seminar FYEX 1110. (F)

THEA 2420 Voice & Movement (3) (Formerly THTR 102) Students are introduced to basic techniques, which aid in vocal and physical strength, variety, flexibility, and stamina, and gain understanding of harmful or limiting vocal and physical habits in stage acting. (Odd F)

THEA 1110 Introduction to Theatre (3) (Formerly THTR 111) This course provides an introduction to the study of theatre. Students will examine various components that comprise theatre, such as acting, directing, playwriting, dramaturgy, scenic and costume design, stagecraft, spectatorship, history, theory, and criticism. (F, S)

THEA 1130 Introduction to Film (3) (Formerly THTR 113) This course provides an introduction to the study of film. Students will examine the formal properties of film through four basic categories: history, genre, visual/composition design, and production processes. (F, S)

THEA 1210 Acting for Non-Majors (3) (Formerly THTR 121) This class gives non-majors experience in the depth and craft of the actor’s art. Students will learn various terms, techniques, and practices of acting and will demonstrate their understanding in class. Through exercises and improvisations, partnered scenes, and group work, students will be better able to appreciate the work of others as they learn techniques of performing. (F, S)

THEA 1310 Introduction to Costuming (3) (Formerly THTR 201) This course introduces students to basic skills generally used in creating costumes for theatre. During the semester students will be introduced to the costume shop, equipment, supplies, and processes. They will learn the process of sewing a garment and running a stage production. (TBA)

THEA 2210 Acting for the Camera I (3) (Formerly THTR 202) Introduces students to techniques specific to performing for the camera. Students acquire acting skills that can be used on both the stage and screen. Students develop techniques through various exercises in front of a camera. Covers audition techniques, readings, shot size, eye-line, and industry vocabulary. Prerequisite: THEA 1220 or 1210. (F)
**THEATRE (THEA) – UPPER DIVISION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 310</td>
<td>Intermediate Acting (3)</td>
<td>Development of voice, body, mind and emotions. Practice in dramatic situations stressed. Prerequisite: THEA 1220 or 1210.</td>
<td>(Even F)</td>
</tr>
<tr>
<td>THEA 303</td>
<td>Directing Actors (3)</td>
<td>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: THEA 1220 or 1210; FDMA 1140.</td>
<td>(Odd S)</td>
</tr>
<tr>
<td>THEA 304</td>
<td>Theatrical Design (3)</td>
<td>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.</td>
<td>(TBA)</td>
</tr>
<tr>
<td>THEA 313</td>
<td>Theatre History I (3)</td>
<td>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.</td>
<td>(Even F)</td>
</tr>
<tr>
<td>THEA 314</td>
<td>Theatre History II (3)</td>
<td>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.</td>
<td>(Odd S)</td>
</tr>
<tr>
<td>THEA 321</td>
<td>Advanced Acting (3)</td>
<td>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: THEA 301.</td>
<td>(Odd S)</td>
</tr>
<tr>
<td>THEA 324</td>
<td>Workshop in Playwriting (3)</td>
<td>Techniques of playwriting through theoretical studies and practical exercises. Introduces the playwriting process which includes cold reading, dramaturgy, feedback and rewrites.</td>
<td>(Even F)</td>
</tr>
<tr>
<td>THEA 325</td>
<td>Style and Content in Production Design (3)</td>
<td>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.</td>
<td>(Odd F)</td>
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<tr>
<td>THEA 330</td>
<td>Theatrical Performance and Production (1)</td>
<td>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 6 credits.</td>
<td>(F, S)</td>
</tr>
<tr>
<td>THEA 348</td>
<td>Stage Combat (3)</td>
<td>Introduction to safe and effective portrayals of violence for the stage. Training and practice of unarmed stage combat skills. Examination of violence and its relevance to story-telling in the theatre.</td>
<td>(Even F)</td>
</tr>
<tr>
<td>THEA 402</td>
<td>Open Laboratory (3)</td>
<td>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.</td>
<td>(TBA)</td>
</tr>
<tr>
<td>THEA 404</td>
<td>Acting for the Camera II (3)</td>
<td>Furthers technical expertise begun in THEA 2210. Prerequisite: THEA 2210.</td>
<td>(Even S).</td>
</tr>
<tr>
<td>THEA 405</td>
<td>Technical Production (3)</td>
<td>Practical experience and training in activities involved with the technical production of theatre.</td>
<td>(TBA)</td>
</tr>
<tr>
<td>THEA 410</td>
<td>The Business of Show Business (3)</td>
<td>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.</td>
<td>(Even S)</td>
</tr>
<tr>
<td>THEA 411</td>
<td>Children’s Theatre (3)</td>
<td>Explores the process of developing a production for children, by children. Topics include creative dramatics, rehearsal games and techniques as well as youth performance.</td>
<td>(TBA)</td>
</tr>
<tr>
<td>THEA 412</td>
<td>Advanced Stage Directing (3)</td>
<td>Directing for the stage; includes advanced scene work techniques and modern trends in directing theories. Prerequisite: THEA 303.</td>
<td>(TBA)</td>
</tr>
<tr>
<td>THEA 468</td>
<td>Workshop in Theatre (1-3)</td>
<td>As announced. (May be repeated for credit if topics are different.)</td>
<td>(TBA)</td>
</tr>
<tr>
<td>THEA 491</td>
<td>Directed Study (1-3)</td>
<td>Independent study. (May be repeated for a maximum of 4 credits.)</td>
<td>(F, S, Su)</td>
</tr>
<tr>
<td>THEA 493</td>
<td>Topics in Theatre (1-3)</td>
<td>As announced. (May be repeated for credit if topics are different.) Prerequisite: instructor approval.</td>
<td>(TBA)</td>
</tr>
<tr>
<td>THEA 496</td>
<td>Theatre Internship (2-6)</td>
<td>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.</td>
<td>(F, S, Su)</td>
</tr>
</tbody>
</table>
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

Hamid Allamehzadeh | Professor of Electronics Engineering Technology (1998) | B.S., M.S., Ph.D., University of Oklahoma

Richard Allington | Assistant Professor of History (2019) | B.A., Christendom College; M.A., Ph.D., Saint Louis University

Gillian Andersen | Instructor of English (2002) | B.A., University of Kentucky; B.S., Eastern New Mexico University; M.A., Ph.D., Texas Tech University

William Andersen | Professor of Physics (1995) | B.S., Baylor; Ph.D., M.I.T.

Regina Aragon | Assistant Dean, College of Liberal Arts and Sciences; Professor of Mathematics (1993) | B.A., M.A., Ph.D., University of Colorado

Mary Fanelli Ayala | Dean, College of Liberal Arts and Sciences; Professor of Spanish (1992) | B.A., LaSalle University; M.A., Ph.D., Temple University

Suzanne Balch-Lindsay | Assistant Vice President of Academic Affairs; Professor of History (1995) | B.A., M.A., Ph.D., Texas Tech University

Matthew Barlow | Associate Professor of Biology (2010) | B.S., University of New Mexico; M.S., Ph.D., University of North Texas Health Science Center at Fort Worth


Susan Bassett | Instructor of Nursing (2015) | B.A., Augustana College; M.S., South Dakota State University


Stephanie Beinlich | Instructor of Voice (2017) | B.M., Western Michigan University; M.M., D.M.A., University of South Carolina

Cindy Benge | Assistant Professor of Reading and Literacy Education (2019) | B.A., Texas Tech University; M.Ed., Ed.D., Sam Houston State University

Janet Birkey | Assistant Professor of Communication (2018) | D.C., Midwestern College; M.A., B.A., Eastern New Mexico University

Mario Bocanegra | Assistant Professor of Art (2019) | B.F.A., M.F.A., Oklahoma State University

Gary Bond | Chair, Department of Psychology and Political Science; Professor of Psychology (2014) | B.A., M.A., Ph.D., New Mexico State University

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<td>Research Associate (Protein Biochemistry) (2016)</td>
</tr>
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<td>Sharon Duran</td>
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<td>Scott S. Farmer</td>
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<td>Lora Ferguson</td>
<td>Associate Athletic Director for Sports Medicine, Head Athletic Trainer and Senior Women’s Administrator (2018)</td>
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Christy Fields | Articulation/Degree Certification Officer (2016) | B.U.S., Eastern New Mexico University

Micky Fields | Systems Operation Specialist II (2012) | B.S., DeVry University

Darin Fike | Custodial Services Manager (2008)

Brandon Flen | Systems Operation Specialist I (2014)

Carol Fletcher | Controller (2013) | B.B.A., M.B.A., Eastern New Mexico University

Albert Flinn | Rodeo Coach, Men's and Women's Team (2008) | B.S., M.B.A., Eastern New Mexico University

Rachel Forrester | Development Associate (2016) | B.A., University of New Mexico

Brittany Gardiner | Coordinator of Student Recruitment (2015) | B.B.A., Eastern New Mexico University

Ellen Gardiner | Distance Education and Outreach Coordinator (1998) | A.S., Community College of the Air Force; B.U.S., Eastern New Mexico University

Marisa Garduno-DaSilva | Title Cooperative Grant Retention Success Coordinator (2016) | B.S.B.A./A., University of Phoenix; Secondary Education Credentials, San Jose State University; M.A.-TESOL, San Jose State University


David Gomez | Head Baseball Coach (2013) | M.A., New Mexico Highlands University

Benito Gonzales | System Director, Human Resources (2015) | B.B.A., Eastern New Mexico University; M.B.A., TUI University

Gillian Gordon | Manager, Office of Sponsored Projects (2014) | B.B.A., Eastern New Mexico University

Matt Grawrock | Associate Athletic Director for Compliance & Internal Operations (2018) | B.A., Southern Virginia University; M.S., United States Sports Academy


Adriana Guzman | Academic Specialist (2016) | B.S., Eastern New Mexico University

Angela Hall | Financial Aid Specialist (2017) | B.S., Eastern New Mexico University

Shannon Hearn | FM Operations/Director (2003) | M.A., Eastern New Mexico University

Brendan Hennessy | Director, Institutional Research Office (2016) | M.A., University of Arizona

Patricia Holbrook | Buyer II (2018)

John Houser | Assistant Vice President Marketing and Communications (2015) | B.S., Bowling Green State University; M.A., Kent State University


Laurie Jacoby | PCard Administrator (2018) | B.A., University of West Florida

Durmon Jennings | Associate Head Coach (2017) M.S., Eastern New Mexico University

John Kanmore | Operations Services Manager (2013)


William Lampkins | Systems Operations Specialist (2016) | B.S., Eastern New Mexico University

Susan Larsen | LPCC | Director, Counseling and Career Services (2006) | A.A.S., Schoolcraft College; B.A., Madonna University; M.A., Eastern Michigan University

Kelsey Laurens | Recruiter (2016) | B.S., Eastern New Mexico University

Jana LaViolette | Accounts Payable Supervisor (2014) | A.A.S., Clovis Community College; B.S., M.S., Lubbock Christian University

Kelley Lee | Head Football Coach/Offensive Coordinator (2012) | M.S., Eastern New Mexico University

Melissa Lee | Assistant Athletic Director, Marketing, Events and Life Skills (2018) | B.A., New Mexico State University; M.A., Eastern New Mexico University


Justin Liles | System Operations Manager (2008) | B.S.B.A., Eastern New Mexico University

Christopher Lindemann | Manager, Network and Client Services (2013) | C.B.S., Colorado Christian University; B.A., Eastern New Mexico University

Luli Lopez | Manager Post Office (2018)


Michael Lucero | Coordinator of Transfer Center (2017) | B.S., Eastern New Mexico University

Arnulfo Rene Marquez | Academic Specialist - Talent Search (2016) | B.S., Eastern New Mexico University


Cassandra McDevitt | Articulation Degree Certification Officer | A.A. Santiago Canyon Community College, B.A. Cal State Fullerton

Joann Martinez | Director of Accounting and Student Accounts (2012) | A.S., B.B.A., B.U.S., Eastern New Mexico University

Pauline F. Martinez | TRIO Upward Bound Coordinator (2018) | B.S., Eastern New Mexico University

Brandon J. Matlack | Networking Engineer (2016) | B.S., Eastern New Mexico University

Bradley Mauldin | Chief of Police (2009) | B.S., Eastern New Mexico University

Vanessa McBee | TRIO Professional II (2013) | B.S., Eastern New Mexico University

Lowell McGill | Manager Grounds Service (2013)

Andrew McCraw | Assistant Football Coach-Offensive Line and Run Game Coordinator (2017) | M.A., Eastern New Mexico University

Crystal Meiwes | TRIO SSS Academic Services Coordinator & Data Analyst (2017) | B.B.A., Eastern New Mexico University

Mary Christine Mendoza | Supervisor, Evening Custodial (2011)

Jacob Mercer | International Student Officer (2016) | M.F.A., Oregon State University

Stephanie Miles | HR Generalist (2017) | B.B.A., Eastern New Mexico University
Paul Moore | Public Services Librarian, Government Documents (2018) | B.A., McNeese State University; M.L.I.S., Louisiana
Sean Moore | Director of Programming and Operations (2018) | B.A.A.S., Eastern New Mexico University
Heather Morales | Assistant Softball Coach (2018) | B.S., University of Hawaii
Wanda Newberry | Coordinator, Duplicating Services (2013)
Ron Obenhaus | Administrative Manager/Security Officer (1984) | B.S., M.A., Eastern New Mexico University
Moria Ortiz | Client Support Specialist (2008)
Kourtney Paiz | Director of Annual Giving (2018) | B.A., Eastern New Mexico University
Christine Phipps | Director, Career Technical Leadership Project (2014) | B.S., Eastern New Mexico University
Jennifer Poyer | Coordinator of Design and Content (2015) | B.S., Eastern New Mexico University
Sia Poyer | Head Women’s Volleyball Coach (2013) | B.S., M.S., Eastern New Mexico University
Lee Quick | Inventory Control Supervisor (2010) | B.B.A., Eastern New Mexico University
Martin Quintero | Engineer III (2008) | A.A.S., South Plains College
Linda Ramos | Coordinator of Campus Life (2018) | B.A., Eastern New Mexico University
Samantha Rector | Financial Aid Specialist (2014)
Sara Rickles | Assistant Registrar (2018) | B.S., Agribusiness; B.S., Kansas State University
Ryan Roark | Director of Distance Learning (2017) | M.A. Theology, Fuller Theological Seminary
Kelli Roberts | Payroll Accountant (2016) | B.B.A., Eastern New Mexico University
Justin Robertson | Assistant Operations Director, KENW-TV (2016)
Janine Romero | Academic Specialist, Upward Bound (2018) | B.A., Oregon State University
Mark Romero | Roosevelt County Museum Curator (2002) | B.S., Eastern New Mexico University
Duane Ryan | Broadcasting Director, KENW (1967) | A.A., El Camino College, B.A., Long Beach State; M.A., Brigham Young University
David Sanchez | ITS Technical Trainer (2018)
Tres Segler | Head Men's Basketball Coach (2016) | B.A., M.A., University of Texas
Andre Shaw | Assistant Men's Basketball Coach (2018) | B.A., Western New England University; M.A. Midwestern State University
Annamaria Short | Director, Alumni Affairs (2017) | B.S., Sociology, Eastern New Mexico University
Ryan Shumaker | Sports Information Director (2018) | B.S., M. Northwestern Oklahoma State
Brent Small | Director, Financial Aid (2008) | B.S., Eastern New Mexico University
Kimberlee A. Smith | TRIO Student Support Services Director (2017) | B.S., Eastern New Mexico University; M.S., West Texas A&M University
Janice Stockard | Lab Supervisor (2008) | B.S., Eastern New Mexico University
Mickie Stowe | Adviser, Advising Center (2011) | M.A., Eastern New Mexico University
Briana Stroup | Accountant I (2018) | B.U.S. Eastern New Mexico University
Kyle Sundheimer | Coordinator of Communication and Technology (2016) | B.U.S., Eastern New Mexico University
Michelle Terry | Regional Director, TTAP (2002) | B.S., Eastern New Mexico University
Jan Terry-Sanchez | Associate Director, Financial Aid (2014) | B.B.A., Eastern New Mexico University
Larry Varnado | Head Athletic Strength and Condition Coach (2012) | B.S., M.S., Eastern New Mexico University
Bobbie Victor | Student Accounts Supervisor (1999) | B.S.E., Eastern New Mexico University
Melveta Walker | Director, Golden Library (1990) | B.A., Eastern New Mexico University; M.A., Northern Arizona University
Emily Walthers | VA Certifying Official (2018)
Scott Wesselink | Recruiter (2018) | B.S., Eastern New Mexico University
Sandy Whiting | Counselor (2018) | M.A., Eastern New Mexico University
Sara Wright | Graphic Artist (2015) | B.A., Eastern New Mexico University
Sara Wright | Graphic Artist (2015) | B.A., Eastern New Mexico University
Melissa Yazzie | Outreach Counselor (2018) | B.A., University of Colorado, M.S.W., Washington University
Kira Zeiter | Head Softball Coach (2018) | B.S., M.S., Adams State University
Lahoma Zhonnie | Financial Aid Specialist (2005) | B.S., Eastern New Mexico University
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