2025-27 Undergraduate Catalog

ENMU

Student Success –
that's what we're about!

Portales, New Mexico 88130
575.562.1011 | 800.367.3668
enmu.edu

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University Notices

A Message from the President

Welcome to Eastern New Mexico University. At ENMU we are committed to student success, and we are honored to be a part of your educational journey. We strive to provide you with an exceptional education that will change your life for the better.

We have outstanding degree programs that are offered in formats designed to meet your needs. Whether you take advantage of our residential experience that is rich in university tradition or study with us through our state-of-the-art distance learning offerings, you will find a sense of family at ENMU dedicated to being a part of your success story.

I encourage you to be involved in all that we have to offer while you learn. Whether it is through Greek life, student organizations and clubs, athletics, or simply enjoying all the extracurricular activities on campus, make memories while you are earning your degree.

Finally, ENMU and our System family strive to be your educational resource for life. If somewhere in the future you find yourself in need of additional education, certificates, advanced degrees, or personal enrichment courses, ENMU will be here for you.

Welcome to the Greyhound Family!

James Johnston, PhD
System Chancellor
Portales Campus President

Un mensaje del Presidente

Bienvenidos a Eastern New Mexico University. En ENMU, nos comprometemos a ayudarles a nuestros estudiantes a alcanzar el éxito, y es un honor para nosotros formar parte de su trayecto académico. Nos empeñamos a facilitarles una educación excepcional, la cual cambiará su vida de manera positiva.

Contamos con programas de estudio que se ofrecen en formatos que se acoplan a sus necesidades personales. Si Ud. prefiere aprovecharse de de nuestra experiencia residencial, enriquecida por un ambiente universitario tradicional, o si prefiere escoger entre nuestra oferta de clases a larga distancia, impartidas a través de la tecnología educativa más avanzada, se sentirá entre familia en ENMU, donde nos dedicamos a formar parte de su historia de éxito.

Mientras estudien, les animo a involucrarse en todas las oportunidades que ofrecemos. Ya sea integrándose en la "vida griega" de fraternidades y sororidades, participando en las actividades de organizaciones y clubes estudiantiles, practicando deportes, o simplemente disfrutando de todas las actividades extracurriculares en el recinto universitario, Ud. debe crear buenos recuerdos mientras termine su carrera académica.

Sobre todo, ENMU es una familia y sistema integral que se empeña en convertirse en un recurso académico de por vida. Si en algún momento futuro Ud. se encuentra con ganas de avanzar sus estudios al obtener un certificado o un título de posgrado, o si quiere tomar clases para su enriquecimiento personal, ENMU le esperará y apoyará de nuevo.

¡Bienvenido a la "Familia Greyhound"!

James Johnston, PhD
Rector del Sistema ENMU
Presidente del Recinto Universitario de Portales

University Accreditation

ENMU has been continuously accredited through the Higher Learning Commission (HLC), formerly the North Central Association, since 1947. The HLC accreditation covers ENMU Portales and Ruidoso 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
230 S LaSalle Street Suite 7-500
Chicago, IL 60604-1413
800.621.7440
HLCommission.org

In addition, ENMU has earned accreditation from:

- 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 on Social Work Education (CSWE)

Current accreditation information can be found at **enmu.edu/accreditation**.

Memberships and Affiliations

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 and is a Carnegie/Ford/AAC&U "Greater Expectations" best practices institution. The chemistry program is approved by the American Chemical Society (ACS) as meeting the society's program criteria.

Equal Educational Opportunity Policy

Eastern New Mexico University is an 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:

ENMU Office of Human Resources
ENMU Station 21
1500 S Ave K
Portales NM 88130
575.562.2215

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**.

Rick Sommer, JD
ENMU System Title IX Coordinator
Quay Hall, Room 109
Station 2
1500 S Avenue K
Portales, NM 88130
O: 575.562.2235
C: 575.265.2977
rick.sommer@enmu.edu
titleix.coordinator@enmu.edu

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, 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**.

Contact the Office of the Registrar for additional information regarding student rights under FERPA.

Office of the Registrar
ENMU Station 5
1500 S Ave K
Portales, NM 88130
P 575.562.2175
F 575.562.2566
portales.registrar@enmu.edu

Release of Student Information Policy

If a student fails to maintain their 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 above.

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

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

About Eastern New Mexico University

The Mission

Eastern New Mexico University's mission is to deliver a high-quality educational experience across all programs of study using an engaging, supporting learning environment.

We fulfill our mission by:

- Preparing students for careers and advanced study.
- Promoting citizenship, leadership skills and values.
- Supporting excellence in teaching, learning, and research.
- Empowering students to respond to a rapidly changing world.
- Employing faculty and staff who value student success and organizational collaboration.

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 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, 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's, and master's degrees, serves students from New Mexico, other states, and other nations. Educational programs are offered at the Portales campus and by distance education, and at 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. 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 encourages professional development opportunities to enhance individuals' 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. The Alumni Association actively supports 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 Eastern New Mexico 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.

For more information on the Eastern New Mexico University Strategic Plan:

Office of Planning Analysis and Governmental Relations
ENMU Station 2
1500 S Ave K
Portales, NM 88130
575.562.2315
enmu.edu/StrategicPlan

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 institution in Portales, and the Legislature of 1929 approved the first appropriation for buildings. The first building was constructed in 1931. Eastern's doors were opened to students in 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

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 Broadcast Center is located in the Duane W. Ryan 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, evening newscasts, and various special productions. 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).

The Golden Library, housed in the Golden Student Success Center (GSCC), holds a collection of books, videos, CDs, 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.

ENMU-Roswell also offers online Associate of Applied Sciences, Associate of Arts and Associate of Science degrees and certificates in various 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.

Contact ENMU-Roswell for more information about its programs, services, or for catalog requests:

ENMU-Roswell
Office of Admissions
P.O. Box 6000
Roswell, NM 88202-6000
575.624.7149 or 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, and 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.

Contact ENMU-Ruidoso for more information about its programs, services, or for catalog requests:

ENMU-Ruidoso
709 Mechem Drive
Ruidoso, NM 88345
575.257.2120 or toll free 800.934.3668
ruidoso.enmu.edu

Graduate School

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

- Anthropology
- Biology
- Business Administration (the M.B.A. or M.B.A. with emphasis in Accounting)
- 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, Pedagogy and Learning, Reading/Literacy, and Secondary Education)
- English
- Nursing (with an emphasis in Nursing Education)
- Physical Education (with an emphasis in Sport Administration)
- School Counseling
- Social Work
- Special Education

GRADUATE CERTIFICATES ARE OFFERED IN:

- Alternative Licensure in Elementary Education
- Alternative Licensure in Secondary Education
- Alternative Licensure in Special Education
- Personal Financial Planning

To apply or request additional information:

Graduate School
ENMU Station 24
1500 S Ave K
Portales, NM 88130
575.562.2147
enmu.edu/GraduateSchool

Distance Education

Eastern New Mexico University delivers online education programs through hybrid synchronous, hybrid asynchronous, and web-based 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**.

Student Complaints and Resolution Resources

Eastern New Mexico University is committed to providing a transparent and effective mechanism for communicating and resolving student complaints, in compliance with university policy **[70-10]**, The U.S. Department of Education and the Higher Learning Commission. Current students will need to log in with their ENMU ID and password to access the complaint form found at **enmu.edu/studentcomplaint**. Former students can submit a complaint by contacting Acdemic Affairs at **academic.affairs@enmu.edu.**

The New Mexico Higher Education Department (NMHED) can further facilitate in resolving student complaints, after the student has utilized all resources with the institution. Visit **https://hed.nm.gov/studentsparents/student-complaints** for more information. These processes are available for students both residing inside and outside the state of New Mexico.

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 Pages 11-15 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.

To request a paper application, contact:
Office of Enrollment Services
ENMU Station 7
1500 S Ave K
Portales, NM 88130
800.FOR.ENMU or 800.367.3668

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 HiSET, 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 HiSET.

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 encouraged to take the SAT or ACT examination early and have their scores reported to ENMU.

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

ACT/SAT Scores are optional for students receiving a high/home school diploma; however, scores are used for scholarship/out-of-state waiver consideration and for course placement. If no scores are submitted, ENMU will provide an ACCUPLACER test for course placement.

See Pages 11-15 for admission requirements, documents required and procedures for first-time freshmen.

TRANSFER STUDENTS

ENMU defines a transfer student as a student who is moving from a previous college to continue their 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 ENMU transcript, articulated to ENMU's standards and ENMU's grading scale. (Quarter-hour credits are converted to semester hour equivalents when entered by the Office of Enrollment Services. One quarter-hour is equal to two-thirds of a semester hour.) The acceptance of transfer coursework by the University does not guarantee these hours will satisfy requirements in a specific major or minor. The college overseeing the student's major or minor (College of Business, College of Education and Technology, College of Fine Arts, College of Liberal Arts and Sciences) must approve the course(s) that will count for the major or minor. Grades of "D" cannot be used to meet requirements for a major or minor. Students can access their "**MyENMU Portal"** accounts to view or print unofficial ENMU transcripts. Transfer coursework is converted to ENMU course prefixes and numbers.
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).
4. 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.

5. Grades of "D" cannot be used to meet requirements for a major or minor but may meet other requirements.
6. 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.
7. **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 their current institution, the probationary status will be carried over to ENMU-Portales. **See Pages 36-37** for warning, probation, and suspension policy.
8. **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 39.**

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

See Pages 11-15 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.**

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 active health insurance each semester.

See 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" **Page 39.**

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

SECOND DEGREES

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

See Pages 11-15 for admission requirements, documents required and procedures. **See Page 43** for information about general academic requirements.

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 ENMU 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 ENMU must 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 Distance Learning Office (DL Office). 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 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 their home school under a consortium agreement.

See Pages 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 the student's 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 completed, the 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

Types	Requirements	Submit
First-Time Freshman A student who has never taken college classes **First-Time Freshman | with hours (1)** A student who has taken college classes while in high school **First-Time Freshman | home school (2)** A student who has been home schooled **First-Time Freshman | Certificate of Completion (3)** A student who has not met the requirements to receive a high school diploma but receives a Certificate of Completion **First-Time Freshman | undocumented student** 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	2.50 final high/home school GPA **OR** ACT 17 **OR** SAT 920	Admission Application (paper or online) Official (sealed) in progress high/home school transcript ACT **OR** SAT score report Official (sealed) final high/ home school transcript upon graduation
First-Time Freshman | GED/HiSET A student under the age of 24 who has taken and passed the General Educational Development (GED) or High School Equivalency Test (HiSET)	GED | HiSET score report **AND** ACT 17 **OR** SAT 920	Admission Application (paper or online) ACT **OR** SAT score report GED | HiSET score report

(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

Types	Requirements	Submit
Transfer Freshman (29 hours or less) A student under the age of 24 **AND** Has completed 29 college credits or less	2.00 cumulative college GPA **AND** 2.50 final high/home school GPA **OR** ACT 17 OR SAT 920	Admission application (paper or online) Official (sealed) transcripts from all colleges attended. Official (sealed) final high school transcript receiving a high school diploma
Transfer Freshman (29 hours or less | GED/HiSET) A student under the age of 24 and has received a General Educational Development Certificate (GED) or High School Equivalency Test (HiSET) **AND** Has completed 29 college credits or less	2.00 cumulative college GPA **AND** ACT 17 OR SAT 920	Admission application (paper or online) Official (sealed) transcripts from all colleges attended GED | HiSET score report ACT or SAT Score report
Transfer (30 hours or more) A student who has completed 30 hours or more of college credit	2.00 cumulative college GPA	Admission application (paper or online) Official (sealed) transcripts from all colleges attended
Transfer (Five years out) A student who has college credits and has been out of college for more than five years	Will be conditionally admitted regardless of cumulative college GPA or Academic Standing.	Admission application (paper or online) Official (sealed) transcripts from all colleges attended

Note: For the purpose of course placement, students may choose to take the ACT/SAT or take the ACCUPLACER placement testing through the Accessibility Resources and Testing Center. Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility.

MILITARY STUDENTS

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

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

INTERNATIONAL STUDENTS

Types	Requirements	Submit
First-Time Freshman A student who has never taken college classes	2.50 final high/home school GPA TOEFL score of 61 iBT (173 CBT, 500 PBT) **OR** IELTS score of 6.0	International Student Application Non-U.S. high school transcript evaluated by a NACES-member organization (1) TOEFL or IELTS score report (2) ENMU Declaration of Finance with bank letter
Transfer Freshman (U.S. college) **29 hours or less** A student who has completed 29 college credits or less at a U.S. institution	2.00 cumulative college GPA TOEFL score of 61 iBT (173 CBT, 500 PBT) **OR** IELTS score of 6.0	International Student Application Non-U.S. high school transcript evaluated by a NACES-member organization (1) Official (sealed) transcripts from all U.S. colleges attended TOEFL or IELTS score report (2) ENMU Declaration of Finance with bank letter
Transfer Freshman (Non-U.S. college) **29 hours or less** A student who has completed 29 college credits or less outside the U.S.	2.00 cumulative college GPA TOEFL score of 61 iBT (173 CBT, 500 PBT) **OR** IELTS score of 6.0	International Student Application Non-U.S. high school transcript evaluated by a NACES-member organization (1) All non-U.S. college transcripts evaluated by a NACES-member organization (1) TOEFL or IELTS score report (2) ENMU Declaration of Finance with bank letter
Transfer (U.S. college) **30 hours or more** A student who has completed 30 college credits or more at a U.S. institution	2.00 cumulative college GPA	International Student Application Official (sealed) transcripts from all U.S. colleges attended ENMU Declaration of Finance with bank letter
Transfer (Non-U.S. college) **30 hours or more** A student who has completed 30 college credits or more outside the U.S.	2.00 cumulative college GPA TOEFL score of 61 iBT (173 CBT, 500 PBT) **OR** IELTS score of 6.0	International Student Application All non-U.S. college transcripts evaluated by a NACES-member organization (1) TOEFL or IELTS score report (2) ENMU Declaration of Finance with bank letter

(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** or email **international.advisor@enmu.edu.**

ROSWELL OR RUIDOSO STUDENTS

Types	Requirements	Submit
Transfer Freshman (29 hours or less) A student under the age of 24 and has received a high/ home school diploma **AND** has completed 29 college credits or less	2.00 cumulative college GPA **AND** 2.50 final high/home school GPA **OR** ACT 17 **OR** SAT 920	Intra-campus application form Official (sealed) transcripts from all colleges attended Official (sealed) final high/home school transcript receiving a high school diploma
Transfer Freshman (29 hours or less | GED/HiSET) A student under the age of 24 and has received a General Educational Development (GED) or High School Equivalency Test (HiSET) **AND** has completed 29 college credits or less	2.00 cumulative college GPA **AND** ACT 17 **OR** SAT 920	Intra-campus application form Official (sealed) transcripts from all colleges attended GED | HiSET score report ACT or SAT score report
Transfer (30 hours or more) A student who has completed 30 hours or more of college credit	2.00 cumulative college GPA	Intra-campus application form Official (sealed) transcripts from all colleges attended

SECOND DEGREE STUDENTS

Types	Requirements	Submit
Second Associate A student who has already received an accredited associate degree and is pursuing a second associate degree	2.00 cumulative college GPA **AND** official transcript indicating receipt of degree	Official (sealed) transcripts from all colleges attended
Second Bachelor's A student who has already received an accredited bachelor's degree and is pursuing a second bachelor's degree	2.00 cumulative college GPA **AND** official transcript indicating receipt of degree	Official (sealed) transcripts from all colleges attended **Note:** If the student is an ENMU graduate, transcript(s) currently on file will be processed accordingly If the student has taken coursework from another institution not on file, an official transcript will need to be submitted

ADULT LEARNER STUDENTS

Types	Requirements	Submit
First Time Freshman A student who is 24 years of age or older and has never taken college classes	2.50 final high/home school GPA	Admission application (paper or online) Official (sealed) final high school transcript receiving a high school diploma
First Time Freshman (GED/HiSET) 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)	GED | HiSET score report	Admission application (paper or online) GED | HiSET score report
Transfer Freshman 29 hours or less A student who is 24 years of age or older and has completed 29 hours or less of college credit	2.00 cumulative college GPA **AND** 2.50 final high/home school GPA	Admission application (paper or online) Official (sealed) transcripts from all colleges attended Official (sealed) final high school transcript receiving a high school diploma
Roswell/Ruidoso 29 hours or less 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	2.00 cumulative college GPA **AND** 2.50 final high/home school GPA	Admission application (paper or online) Official (sealed) transcripts from all colleges attended Official (sealed) final high school transcript receiving a high school diploma

Note: For the purpose of course placement, students may choose to take the ACT/SAT or take the ACCUPLACER placement testing through the Accessibility Resources and Testing Center. Only transcripts from accredited high schools or colleges will be used to determine admissions eligibility.

NON-DEGREE STUDENTS

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

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 of Arts, Associates of Science, 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 nine (9) credit hours identified by each institution.

Students at institutions that offer Associates of Applied Science (A.A.S.) degrees are governed by the same New Mexico statute, but must meet a lower number of required general education hours than are required for an A.A., A.S. or Bachelor's degree. On enrollment at ENMU to pursue any Bachelor's degree, any student with an A.A.S. degree will be required to complete any ENMU General Education Requirements not met at their home institutions.

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 either 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 assists students in understanding how their credits will apply at all state institutions and is in the process of implementation at all New Mexico 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. ENMU students should consult course descriptions in this catalog or in the online course schedule to check course number equivalencies for specific courses. 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:

New Mexico Higher Education Department
2044 Galisteo Street
Santa Fe, NM 87505-2100
505.476.8400
hed.state.nm.us

Tuition and Fees

Residency Definition for Tuition Purposes

Resident or nonresident status is determined in accordance with 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 in which a student is enrolled; students who audit a course (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 through the ENMU Portal by clicking “Financial Resources,” then click “Pay Bill.”

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**, 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 and 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 students register, they are 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. Students are responsible for updating and verifying contact information in our system. The University is not responsible for cancellation of a student’s registration due to communication problems.

Tuition Reduction

Students may be eligible for a senior citizen discount if they are 65 or older and are 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 ten 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 10 hours will be $5. If enrolled for more than 10 hours, students will pay the regular price for all hours over 10 hours.

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 75% 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 of 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, spring and summer semesters for traditional halls and apartments. Apartments are rented on a semester lease. Summer residency can also be arranged in apartments if space is available. The requirement to live in campus-owned residences is noted in the Campus Residency Policy, **see Page 26.**

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 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 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 through the ENMU Portal by clicking “Financial Resources,” then click “Pay Bill.” 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**
- By mail to: **ENMU Cashier**
  ENMU 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.**

ENMU STUDENT FEES (All fees are subject to change)

Student Registration Fee (one time fee)	
New (under 30 hours)	$95
Transfer (enrolled in UP TO 6 credit hours)	$35
Transfer (enrolled in OVER 6 credit hours)	$60
General Fees	
ENMU ID Card - New / Replacement	$25 / $10
Installment Payment Plan	$10
Online Course Proctoring	varies
Transcript	$7.65/copy

Special Fees	
Challenging a course (fee charged per credit hour)	$15
Dishonored check handling fee	$30
Reinstatement fee	$50
Graduation Fees	
Application late fee	$50
Cap and gown (available at ENMU Campus Bookstore)	varies
Bindery (master’s thesis, projects, etc.)	$15/copy
Duplicate diploma	$15/copy

ENMU COURSE FEES

	Course	Fee
AG	325, 331, 450	$10
AG	348, 349, 350, 351, 433	$20
AG	421	$30
AG	300	$50
AG	315	$75
AGRI	1120	$10
AGRI	1210, 1220	$50
ALC	102, 104, 202, 204, 210, 212, 290, 293	$30
ANTH	1120C	$10
ANTH	1190C	$20
ANTH	522, 597, 599	$25
ANTH	482, 583	$400
ANSC	1120, 2320	$10
ARTH	364, 367	$40
ARTS	318	$70
ARTS	1810	$70
ARTS	1610, 1240, 1250, 1310, 1520, 2610	$90
ARTS	312, 316, 324	$90
ARTS	306, 307, 314, 326, 329, 330, 340, 406, 407, 417, 419, 423, 482, 493	$100
ARTS	1410, 1630, 1840, 2120, 2125, 2630, 2996	$100
AXED	2110	$75
BCIS	1110, 2217, 315, 343, 420, 430, 435, 440, 445, 460	$10
BIOL	300L, 303L, 411L, 433L, 460L, 510L, 511L, 524L, 531L, 533L, 536L, 542L	$10
BIOL	301L, 341L, 525L	$15
BIOL	2210L, 2225	$18
BIOL	424L	$20
BIOL	2110L, 2610L, 2630L 307L, 405L, 425L, 431L, 436L, 442L	$25
BIOL	409L, 422L, 509L, 522L, 550L	$30
BIOL	410L, 420L	$35
BIOL	304L	$40
BIOL	521L	$52
BIOL	306L	$62
CA	104, 120, 125, 204, 220, 325, 327, 410, 470	$150
CA	225, 330, 375, 425, 450, 455	$50

	Course	Fee
CDIS	446	$25
CDIS	445, 501, 502, 503, 505, 589	$100
CHEM	2310L, 593	$15
CHEM	1110L, 1215L, 1225L	$20
CHEM	321L, 341L, 342L, 450L, 550L	$25
CHEM	401L, 505L	$30
COMM	1120, 1140, 2230, 2220, 2182, 302, 303, 304, 311, 327, 344 A-D, 360 A-C, 401, 402, 410, 412, 420, 422, 460	$15
ECED	1125	$110
ECED	2121, 2131	$10
ECED	485	$20
ECED	487	$100
EDUC	2116L	$110
EET	110L, 131, 210L, 237L, 241L, 242, 302L, 310L, 337L, 340L, 342L, 357L, 402L, 437L, 441, 450L, 457L, 472L, 490L	$25
ELED	535, 537	$20
ELED	460	$100
ELED	523	$100
FCST	304L	$25
FCST	323, 335L	$50
FDMA	312, 313, 314, 320, 350, 360, 375, 376, 475, 476, 480, 493 1525, 1620, 2996	$25
FREN	1110, 1120	$30
HLED	1120	$25
HORT	1110	$25
HLED	2410	$15
MUED	372	$25
MUSC	2710 H, 2270	$25
MUSC	Private lessons/per hour	$50
MUSC	1160, 1165, 2310, 341, 342, 362, 381, 382, 458, 470	$25
SED	532, 535, 537	$20
SED	450, 460, 597	$100
SPAN	1110, 1120, 2110, 2120	$30
SPED	445, 547	$100
THEA	2993, 2996, 310, 468, 493	$40
All Online Courses (per credit hour)		$17

Financial Aid

Please note: Students should contact the Office of Financial Aid directly at 575.562.2194 to review any changes to regulations that might supersede the information provided in this document.

The 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, food and housing, 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.
- 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 must 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) form. 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 form 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.
2. Receive a FAFSA Submission Summary (FSS) 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 award offers and amounts, sent by mail and ENMU email.
4. Additional steps are required to accept ENMU terms and conditions and if students wish to accept work-study or borrow loans.
5. Aid is applied to student's account.

Requested Documentation and Verification

The verification process confirms that reported FAFSA information matches tax information and other documents. Such documentation may include copies of IRS income tax return transcript for students, and student contributors. 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 FAFSA Processing System. The Office of Financial Aid will contact students who are selected for verification via mail and email once the college is notified. 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 FAFSA Processing System. 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 offered based on the following:

1. Estimated Cost of Attendance
2. Other Estimated Financial Assistance (Resources) and Scholarships
3. Availability of Funds

Other Estimated Financial Assistance (Resources) and Scholarships

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.**

Availability of Funds

Some funds are limited and 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 loans are available to eligible students who have not borrowed their annual loan limit during the fall and spring semesters. Summer Pell Grant and some New Mexico resident scholarships may also be available to eligible students.
- 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 by accessing their MyENMU Portal account and following links to the financial aid area.
- Please remember all financial aid offers are based on information provided by students, students' applicable contributors, 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 before their SAP status will be updated for a new term.
- Students must be registered for summer courses before summer 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 limitations. Students can log in to **studentaid.gov** to view financial aid history in their account dashboard.
- 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 the grade meets the degree program's requirement or not.

Required Enrollment

- Students should only enroll in coursework required for their degree program.
- Pell grants are awarded with 12 hours as the full-time financial aid enrollment standard for all terms, including summer. Disbursement will be prorated for students who are enrolled part-time (less than 12 credit hours).
- Federal Student Loans require a minimum half-time enrollment, six credit hours for undergraduates, five credit hours for graduate students.
- Students classified as graduates or levelers must be enrolled half-time in coursework which applies to 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 Student Loans based on financial need, dependency status, and grade classification. Undergraduates may be offered subsidized or unsubsidized Federal Student Loans while graduates are only eligible to receive unsubsidized Federal Student Loan offers.

Subsidized loan offers must be used before students can use unsubsidized loan offers.

More information concerning Federal Student Loans is available at **studentaid.gov.**

Federal Student Loan funds must be disbursed in two payments as follows: Students who borrow for the fall/spring academic aid year will receive their first loan payment in the fall semester and their second loan payment in the spring semester. Students who borrow for one semester will receive their first loan payment at the end of the semester's period and their second loan payment at the end of the semester's midpoint. First-time Student Loan 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 notification for scholarship continuation criteria. These criteria should be considered before making any changes to enrollment.
- Scholarship continuation 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 should continue at ENMU.

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 their student account to pay allowable institutional expenses for courses the student is attending. Allowable institutional costs may include tuition, student fees, and on-campus housing and food. 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 the student attended by the number of days in the period.

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

Students who receive all "F" grades for the semester will be considered as unofficially withdrawn. Unearned funds will be returned to the U.S. Department of Education in this order:

- Federal Unsubsidized Loan
- Federal Subsidized Loan
- Graduate PLUS Loan
- PLUS Loan
- Pell Grant
- FSEOG 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.**

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, and Federal Student Loans – are meeting both quantitative (pace of completion) and qualitative (GPA) 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 Title IV Federal Student Aid:

SAP REQUIREMENTS

Degree	Pace/ Completion Rate	GPA	Overall Maximum Time Frame
2-Year Certificate	67%	2.00	56 Attempted Hours
Associate	67%	2.00	106 Attempted Hours
Bachelor's	67%	2.00	196 Attempted Hours
Second Bachelor's	67%	2.50	Appeal Required
Teacher Certification	67%	3.00	30 Attempted Hours
Preparatory Leveling	100%	---	1 Calendar Year
Master's	67%	3.00	70 Attempted Hours
Second Master's	67%	3.00	Appeal Required

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.

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

$$\textbf{Example} = \frac{\text{72 Hours Passed}}{\text{85 Hours Attempted}} = 84\%$$

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 approximately 120 percent of the hours necessary to complete their program. Students may be asked to petition for reinstatement and provide supporting documentation to show their degree program can be completed within the maximum time frame.

Students who lack more hours than can be completed before reaching the maximum time frame limit are no longer eligible for aid. Students may request extension of Federal Student Aid by following the procedure for reinstatement of Federal Student Aid if they have extreme mitigating circumstances. The procedure for reinstatement of Federal Student Aid includes submitting a Petition for Reinstatement, an Academic Success Action Plan (ASAP), a current Degree Evaluation Report as well as supporting documentation. If approved, students must only enroll in the hours listed on their ASAP and complete all attempted hours with the GPA required by their program in order to continue receiving Federal Student Aid.

Students pursuing a second or subsequent Bachelor or Master's degree must petition for reinstatement. They should thoroughly explain and document the mitigating circumstances which resulted in losing the usefulness of their prior degree and the benefits which could be gained from completing a subsequent degree.

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 course requirement on the degree evaluation. Title IV Federal Student Aid funds may be awarded once for a previously passed course.

ENMU Federal Student Aid SAP Status

Students must have a current FAFSA and all official transfer transcripts submitted to ENMU before their SAP status can be reviewed. ENMU updates SAP for continuing students at the end of each semester, following the official posting of grades. New students and transfer students will be assigned a SAP status based on their cumulative transcript history.

POTENTIAL SAP STATUS

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

Students may review their Federal Student Aid academic progress online by accessing their MyENMU Portal account and following links to the financial aid area. Students with Provisional Eligibility should use this opportunity to prove they can make successful progress. Ineligible students will lose Title IV Federal Student Aid funding eligibility and must pay for classes on their own until they are meeting SAP requirements or complete a successful reinstatement request.

Reinstatement

Students who have extreme mitigating circumstances which prevented them from complying with the ENMU SAP policy may submit written requests for Federal Student Aid reinstatement. Mitigating circumstances are defined as unanticipated and unavoidable events beyond a student's control. An approved petition will not extend eligibility that has exceeded federal limitations. Petitions for Reinstatement will not be accepted beyond the twelfth week of each semester. Contact the ENMU Office of Financial Aid at **575.562.2194** for more information.

Academic Progress maintained by the Office of Financial Aid is not the same as Academic Standing which is maintained by the Office of the Registrar.

Students must be academically eligible and registered at ENMU before written requests concerning academic progress will be reviewed. The current ENMU SAP Policy can be viewed online at **enmu.edu/SAP.**

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 and Enrollment Management

The Office of Student Affairs houses the vice president for the division and serves as the coordination point for the development of departments and services in Student Affairs and Enrollment Management. 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 and Enrollment Management 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 Corner Health and Wellness

Counseling Corner Health and Wellness at ENMU is priority. The Counseling Corner has licensed professional counselors to help students address personal problems on a short-term basis and refer students who may require long-term counseling or treatment to local agencies. Absence reports are also processed through our Counseling Department. Students can contact Counseling so that instructors can be notified of an emergency absence. The Counseling Corner is located in Student Academic Services (SAS), Room 232, **575.562.2211.**

Career Services

Career Services provides free career choice and job search skills to all enrolled students. Career services include career evaluation and placement assistance. Students can find part-time on- and off-campus job openings at **enmu.edu/StudentJobs.** Career Services is located in Student Academic Services (SAS), Room 170, **575.562.2111.**

Tutoring Services

Free tutoring is available in many disciplines and in developing strong study skills. Students may schedule an appointment or 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

The Office of Accessibility Resources and Testing Center helps students make a smooth and successful transition to collegiate life. The office offers a variety of accommodations based on an individual's documentation of a disability. These may include 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. The 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 Center

The Office of Accessibility Resources and Testing Center coordinates computer-based Accuplacer placement exams, CLEP, DSST, 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.**

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 in a range of sizes

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 Building (CUB), 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 **575.562.2632.**

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 ten 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 delays in reviewing and processing 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, allowed electronic equipment and food storage equipment, 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.**

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 or guardians 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 services 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, 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 Building (CUB) 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

Eastern New Mexico University students have FREE, 24/7 access to virtual care services with TimelyCare — the virtual health and well-being platform from TimelyCare, designed for college students.

Students do not need insurance to access TimelyCare services. As part of Eastern New Mexico University's partnership with TimelyCare, students have access to services in TimelyCare, including:

- MedicalNow: On-demand support for common health issues, including cold, flu, and allergies.
- TalkNow: 24/7, on-demand emotional support to talk about anything, including anxiety, relationships, depression, and school-related stressors.
- Scheduled Medical: Choose the day, time, and medical provider that best works for you.
- Scheduled Counseling: Choose the day, time, and mental health provider that works best for you. (12 visits per year)
- Psychiatry: Appointments are available through referrals.
- Student Success Coaching: A success coach provides support on topics including goal setting, study skills, resume review, and more.
- Self-Care Content: Visit the Self-Care tab for 24/7 access to tools and resources, such as meditation and yoga sessions, helpful videos, and short articles from experts.

Students have access to TimelyCare services 365 days a year. That means you have access during breaks, after-hours, and any time you need support! Visit **timelycare.com/enmu** to get started.

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. 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 Officer at **575.562.4697** or **international.advisor@enmu.edu.**

Campus Bookstore

The ENMU Campus Bookstore, managed by BibliU Campus (Station14), is located north of the Campus Union Building (CUB), and offers textbooks, course materials, computers, and supplies that will ensure that ENMU students are prepared for success. In addition to textbook purchases and rentals, the Campus Bookstore offers course-related supplies, study materials, and an assortment of authentic licensed collegiate apparel – including ENMU clothing, gifts, and more.

For information about bookstore services and policies, access the bookstore website at **www.enmucampusstore.com.**

ENMU Department of Public Safety

The ENMU Department of Public Safety (DPS) is located at 229 S Ave K on the northeast corner of West 3rd Street and South Ave K. The ENMU DPS has three divisions (i.e., emergency management, safety and loss prevention, and police and investigation services). The ENMU DPS is a full-service law enforcement agency comprised of certified and sworn law enforcement personnel, support staff, professional staff, and student employees. The ENMU DPS 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 DPS 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 DPS per University policy. The ENMU DPS also provides on-demand training programs which include, but are not limited to self-defense, risk management, and substance abuse programs.

The general services and activities of the ENMU DPS include handling calls for service, traffic control, traffic enforcement, fielding police reports, building checks, serving writs of the court, dignitary protection, event planning, loss prevention, 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.** 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 Building (CUB), **575.562.2108.**

Multicultural Affairs

Multicultural Affairs is the home of the offices of the Black Student Union, Hispanic Affairs, International Affairs, and Indigenous 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 Building (CUB). Information is also available online at **enmu.edu/Multicultural** or by calling **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 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 begins with meeting new people and getting familiar with the campus and ends with intensive preparation for classes and academic life. For more information, contact the Office of Campus Life, **575.562.2108.**

Intercollegiate Athletics

Eastern New Mexico University is a member of NCAA Division II and the Lone Star Conference. NCAA intercollegiate athletics at ENMU include the women's sports of basketball, cross country, soccer, softball, STUNT, track and field, and volleyball. NCAA men's sports at ENMU include baseball, basketball, cross country, football, and track and field. Men and Women's rodeo is offered through the National Intercollegiate Rodeo Association. All 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.**

Academic Regulations

Catalog of Record

This catalog is a guide to the academic regulations and the curricula of Eastern New Mexico University. Each student is responsible for complying with all regulations of the University and of the curricular program they select.

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.
4. The University can reasonably continue to offer the course of study.

If a student is readmitted to the University following an absence of two or more regular semesters, the student may petition the department chair and college dean for permission to stay within their previous catalog of record. If the student is readmitted to the University following more than two regular semesters, the catalog of record will be changed to the readmit year.

Colleges reserve the right to require students to repeat or prove their competence in the content of coursework considered outdated by passing a challenge examination. Specific information on this process is outline in the "Course Challenging" section located **on Page 39.**

Colleges have the authority to extend catalog eligibility longer than 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 approved 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 a 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 their 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.

DegreeWorks Degree Evaluation

A DegreeWorks degree evaluation allows students and their advisors to track a student's progress toward completion of degree and graduation requirements. The Office of the Registrar confirms eligibility for graduation by using the student's catalog of record along with DegreeWorks. DegreeWorks searches through in-progress courses, transfer credits, and courses taken at ENMU-Portales to identify courses that match degree requirements into areas that include institutional, General Education Requirements, major, emphasis or minor area requirements if applicable, 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 and emphasis or minor at **enmu.edu/Declare** at or before the completion of the third semester of enrollment.
3. To initiate changes regarding their major, minor, and other degree requirements through **enmu.edu/Declare.**
4. To initiate changes to the faculty assignment by contacting their department chair.
5. To review with their faculty adviser the coursework required for graduation.
6. To apply for graduation at **enmu.edu/Graduation.**

Undergraduate degree programs include institutional requirements for degrees that must be fulfilled by all baccalaureate recipients, as well as general education and 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 the 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 faculty adviser initiates the process to request substitutions for specific degree requirements.

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 issues through working with the student, advisor, and program faculty.

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 their ENMU institutional GPA or toward degree requirements. These hours will still affect financial aid eligibility, however.

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

Graduation and Commencement

A student completing their degree must apply for graduation early in the semester in which they intend 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/Graduation.**

A student who wishes to pursue another associate or bachelor's degree or who wishes to take classes as a non-degree undergraduate student must reapply for admission at **enmu.edu/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

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 related area.
2. A cumulative grade point average of 2.00 on a 4.00 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 DegreeWorks evaluation, degree audit and graduation approval form will serve as guidelines in determining satisfactory completion of the second degree requirement.

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.

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 advisable 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 43** 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 2.00 on a 4.00 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.

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 conduct 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 Office of Academic Affairs at **575.562.2312.**

Academic Integrity

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

1. 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.
2. Plagiarism includes, but is not limited to:
   a. offering the work of another as one's own;
   b. offering the work of another without proper acknowledgment, and/or
   c. 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.

Accelerated Undergraduate/Graduate Degree Programs

Accelerated programs allow for completion of shared credits in which students can complete graduate coursework that applies to both undergraduate and graduate degree programs. Tuition and fees are levied at the undergraduate rate for the approved graduate classes of that program, for a maximum of 9-10 credit hours. A grade of B or better is required to apply coursework toward the Master's level degree. A grade of C or better will meet major elective requirements toward the Bachelor's level degree. Shared credits are allowed only in those programs that are identified as accelerated degree programs.

Eligibility for undergraduate students intending to continue into a graduate degree program at ENMU must meet the following requirements:

1. Completion of 90 hours of undergraduate study with an overall GPA of 3.00 or better.
2. Approval to participate in the Accelerated program from the undergraduate advisor.
3. Approval to participate in the Accelerated program from the graduate coordinator of the program.
4. Approval to participate in the Accelerated program from the Dean of the graduate school.

Students who wish to participate in the program must receive pre-approval for each semester of enrollment. The application for enrollment in eligible coursework is available from the Graduate Coordinator for the program.

Programs participating in the Accelerated Undergraduate/Graduate Degree Program are ENMU Masters programs in:

- Anthropology
- Biology
- Chemistry
- Communication Studies
- Communicative Disorders
- Counseling (Psychology)
- English
- Nursing

Undergraduate students who want to take one graduate course may consider another alternative, Graduate Study by Undergraduate Students, noted below. A course taken in that option does not apply toward the undergraduate degree (see below).

Graduate Study by Undergraduate Students

Except in accelerated programs, courses numbered 500 typically are not open to undergraduate students. Students who are in the final semester of their undergraduate program may request registration in one course for graduate credit. Graduate work taken under this provision cannot be used to meet any undergraduate degree requirements.

Students are eligible for this option if they:

1. Are enrolled in the final semester of their undergraduate program, and
2. Meet all requirements for their bachelor's degrees to complete that degree (i.e., the graduate course is not intended to substitute for an undergraduate requirement), and
3. Have a cumulative GPA of at least 3.00, and
4. Are approved to enroll in a 500-level course by the instructor, graduate coordinator, and graduate dean.

The total enrollment in undergraduate and graduate work must not exceed 15-16 hours for the regular semester or nine (9) hours for the summer session.

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 status for financial aid purposes during the summer.

Developmental Studies

Developmental Studies 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 and reading. Additional diagnostic and placement testing is offered. If a student's sub-scores fall below prescribed levels, they must take these 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 English requirements may need to take placement tests through the Advising Center to determine their placement.

Credit for classes is used to satisfy financial aid requirements. Grades earned in these classes are included into the student's institutional grade average. Credits for ENG 097 and RED 097 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," they must retake the course. Credit for any mathematics course taken as preparatory do count toward GPA and hours to graduation. Initial math placement is based on ACT/SAT sub-scores in Mathematics.

Note: A student will be able to receive federal financial aid for a maximum of 30 semester credit hours of coursework.

Students must take English 097 and/or 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, or call **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 absences. Sanctioned activities are those which have been approved in advance. The sponsor of sanctioned activities submits the names of student participants and the dates of their absences. This information is available in the MyENMU Portal.

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

Grading System – Grade Points

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

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

- **A –** The "A" grade indicates that the work has been outstanding, the quality has been exceedingly high and more than the minimum amount of work has been done. The "A" student will demonstrate both a wider and deeper understanding of the subject than any other student. **Four grade points per credit hour.**
- **B –** The "B" grade indicates that the quality of the work has been high; all of the assigned work has been properly and correctly done and that classroom performance on tests, recitations, reports, etc. has been consistently well above average. The "B" student occasionally exceeds the minimum mandates of the course. This grade should identify the student who is ready for and is capable of advanced work in the same subject. **Three grade points per credit hour.**
- **C –** The "C" grade indicates that the quality of work has been generally good, that most of the assigned work has been acceptably done and that classroom performance is quantitatively average for the class. **Two grade points per credit hour.**
- **D –** The "D" grade indicates that the quality of the work has been poor, that the assigned work has been substandard and often incomplete (or late) and that classroom performance has been well below average. **A "D" grade will not count in the student's major or minor programs. One grade point per credit hour.**
- **F –** The "F" grade indicates failure and is given in cases of exceptionally poor performance. **Zero grade points per credit hour.**
- **I –** Incomplete: The "I" grade is given for passing work that could not be completed due to circumstances beyond the student's control. **Grade points not given**. The following regulations apply to "I" grades:
  1. In no case is an "I" to be used 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 first day of final examinations, or from a course between the last day of registration and the date published in the semester schedule of classes. Instructors are not to give a "W" unless the student has officially withdrawn. **Grade points not given.**
- **CRE –** The "CRE" grade is recorded when the student receives credit by examination. **Grade points not given.**
- **NC –** The "NC" grade is recorded when the student registers for a class for no credit.

Correction of Grade

A grade may be changed only if an error has been detected in the calculation or recording of the grade. Such corrections shall be made only after reasons for such change have been submitted 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 Process

The principle of academic freedom dictates that a faculty member is responsible for and has authority over grades which they assign 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.

Repeat of Course

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

1. The original and any repeat courses must be from an ENMU campus (Portales or Ruidoso).
2. A course of one type may never be repeated by a course of another type, e.g., a directed study for a regularly scheduled classroom course, etc.
3. All course enrollments and grades will appear on the transcript but only the highest grade earned will be used to calculate the grade point average. Where there is a difference of hours of credit or of course number level, the value of the repeat course with the highest grade will be used for the purpose of calculating the grade point average and in determining the satisfaction of degree requirements.
4. A grade of "I" for a repeat course will not replace a previous grade.
5. Withdrawal from a repeat course shall cause the repeat to be canceled and the previous academic record shall remain valid. The student may choose to repeat the course again after the withdrawal.

Courses that can be repeated for credit are noted as eligible for multiple enrollment for credit 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. If the student remains enrolled in the class, that student will be assigned the grade earned in the course.

Drop/Add

A student may change their 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 registration system (SSB), 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 their 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 **enmu.retention@enmu.edu** or **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 their 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 for 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).

Academic Standing

Students are expected to maintain a good academic standing throughout their college careers. Students with exceptional academic performance will be qualified for Academic Honors, and, potentially, Graduation Honors as noted below.

Academic Honors

Eastern New Mexico recognizes achievement 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 for that semester. Audit hours and repeated courses are not included toward meeting the minimum 15 hours. The honor is noted on student's transcript each semester that it is earned.

Graduation Honors

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

- Summa Cum Laude – 3.850-4.000 GPA
- Magna Cum Laude – 3.700-3.849 GPA
- Cum Laude – 3.500-3.699 GPA

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. For students falling below good academic standing, the following statuses apply.

ACADEMIC WARNING applies to first-time freshman students who, at the end of their first enrollment at ENMU (spring 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. See Academic Standing Table **on Page 38.**

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 38.**

ACADEMIC SUSPENSION applies to students who have a semester GPA below 2.00 and have been on academic probation for one semester. See Academic Standing Table **on Page 38.**

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

Students 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 36.** 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 seven hours of credit for ACT/SAT examination scores as follows:

ACT	SAT	Credit Applied to
English 31	Verbal 700	ENGL 1110 (3 credits)
Math 31	Quantitative 690	MATH 1220 (4 credits)

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 ACT/SAT, AP, CLEP, DSST, and IB 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 AP or CLEP. The total number of credits accepted from any combination of credit by examination, AP credits, or course challenging cannot exceed 30 credit hours for A.A. or A.S. degrees, or 45 hours for any bachelor's degree.
4. Contact the Office of the Registrar for details, phone, **575.562.2175** or email **portales.registrar@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 (AP)
- College Level Examination Program (CLEP)
- DANTES Subject Standardized Test (DSST)
- International Baccalaureate (IB)
- Course Challenging – **See Page 39.**

Students may also receive credit for military service. To receive credit for ACT/SAT, AP, CLEP, DSST, and/or IB 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. As noted above, any credit earned through ACT/SAT, AP, CLEP, DSST, and IB 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 credit by examination, AP credits, or course challenging cannot exceed 30 credit hours for A.A. or A.S. degrees, or 45 hours for any bachelor's degree. For more information, please contact the Office of the Registrar (Administration Building, Room 105) or **575.562.2175** or email **portales.registrar@enmu.edu.**

ACADEMIC STANDING

Students	Enrollment Semester	Conditions	Academic Standing
First-Time Freshmen	End of First Semester	ENMU GPA is below 2.00 following first enrollment period	Academic Warning
	End of Second Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following one semester of academic warning	Academic Probation
	Note: 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		
	End of Third Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following one semester of academic probation	Academic Suspension
Transfer	End of First Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following first semester	Academic Probation
		Admitted on probation, the student's ENMU cumulative and semester GPAs are below 2.00 **OR** ENMU GPA is below 2.00	Academic Suspension
	Note: 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		
	End of Second Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following one semester of academic probation	Academic Suspension
Returning	End of First Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following first semester	Academic Probation
		Admitted on probation, the student's ENMU cumulative and semester GPAs are below 2.00 **OR** ENMU GPA is below 2.00	Academic Suspension
	Note: 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		
	End of Second Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following one semester of academic probation	Academic Suspension
Continuing	End of Any Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following first semester	Academic Probation
	Note: 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		
	End of Any Semester	ENMU cumulative GPA is below 2.00; student's semester GPA is below 2.00 following one semester of academic probation.	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		

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. Please consult the fees schedule online or in this catalog.

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 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.

ENMU CREDIT AWARD - DANTES SUBJECT STANDARDIZED TEST (DSST)

Examination Title	Score for Credit	Hours	ENMU Course Equivalent
Business, Introduction to	400	3	BUSA 1110
Civil War and Reconstruction, The	400	3	HIST 2996
Computing, Introduction to	400	3	BCIS 1110
Criminal Justice	400	3	CJUS 1110
College Algebra, Fundamentals of	400	4	MATH 1216
Cybersecurity, Fundamentals of	400	3	BCIS 316
History of Vietnam War	400	3	HIST 2996
Human Resource Management	400	3	MGMT 314
Law Enforcement, Introduction to	400	3	CJUS 2996
Management Information Systems	400	3	BCIS 2996
Money and Banking	400	3	ECON 2996
Organizational Behavior	400	3	MGMT 313
Statistics, Principles of	400	4	MATH 1350
Supervision, Principles of	400	3	BUSA 2996
World Religions, Introduction to	400	3	RELG 1110

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

ENMU CREDIT AWARD - ADVANCED PLACEMENT (AP)

AP Examination	Score Level	Hours	ENMU Course Equivalent
African American Studies			
AFST 1110 Intro to Africana Studies	3, 4, 5	3	GSS 1XX
Art			
Art History	3	3	ARTH 2110
	4 of 5	6	ARTH 2110 **AND** 2120
Studio Art: 2D Design Portfolio	3	3	ARTS 1610 **OR** 1240
	4 or 5	6	ARTS 1610/1240 **AND** 2610
Studio Art: 3D Design Portfolio	3	3	ARTS 1610 **OR** 1240
	4 or 5	6	ARTS 1610/1240 **AND** 2610
Studio Art: Drawing Portfolio	3, 4, 5	3	ARTS 1610 **OR** 1240
Biology			
Biology	3	4	BIOL 1110/L
	4, 5	4	BIOL 2110/L
Chemistry			
Chemistry	3	4	CHEM 1110/L
	4	4	CHEM 1215/L
	5	4	CHEM 1215/L **AND** 1225/L
Computer Science			
Computer Science A	3	4	CSCI 1210
	4, 5	6	CSCI 1210 **AND** 2210
Economics			
Microeconomics	3, 4, 5	3	ECON 2120
Macroeconomics	3, 4, 5	3	ECON 2110
English			
Language and Composition	3, 4, 5	3	ENGL 1110
Literature and Composition	3, 4, 5	3	ENGL 1410
Environmental Science			
Environmental Science	3, 4, 5	4	GPS4
Geography			
Human Geography	3, 4, 5	3	GSS 1XX
History			
European History	3	3	HIST 1150
	4 or 5	6	HIST 1150 **AND** 1160
U.S. History	3	3	HIST 1110
	4 or 5	6	HIST 1110 **AND** 1120
World History	3	3	GHUM 1XX
	4 or 5	3	GHUM 1XX

AP Examination	Score Level	Hours	ENMU Course Equivalent
Language			
Chinese Language & Culture	3	4	GFL 1XX
	4, 5	6	GFL 1XX
French Language & Culture	3	4	FREN 1110
	4	8	FREN 1110 **AND** 1120
	5	11	FREN 1110, 1120 **AND** 2110
German Language & Culture	3	4	GFL 1XX
	4, 5	6	GFL 1XX
Japanese Language & Culture	5	6	GFL 1XX
Latin	3	4	GFL 1XX
	4, 5	6	GFL 1XX
Spanish Language & Culture	3	4	SPAN 1110
	4	8	SPAN 1110 **AND** 1120
	5	11	SPAN 1110, 1120, **AND** 2110
Spanish Literature	3, 4, 5	3	GFL 1XX
Mathematics			
Calculus AB	3	4	GMAT 1XX
	4, 5	4	MATH 1510
Calculus BC	3	4	MATH 1510
	4, 5	8	MATH 1510 **AND** 1520
Precalculus	3, 4, 5	3	GMAT 1XX
Statistics	3, 4, 5	4	MATH 1350
Music			
Music Theory	3, 4, 5	3	MUSC 1210
Physics			
Physics I	3, 4, 5	4	PHYS 1230/L
Physics II	3, 4, 5	4	PHYS 1240/L
Physics C: Electricity & Magnetism	3, 4, 5	4	GPS4 1XX
Physics C: Mechanics	3, 4, 5	4	GPS4 1XX
Political Science			
Comparative Govt & Politics	3, 4, 5	3	GSS 1XX
U.S. Govt & Politics	3, 4, 5	3	POLS 1120
Psychology			
Psychology	3, 4, 5	3	PSYC 1110
Research			
Research	3, 4, 5	3	GHUM 2996 AP: Research
Seminar			
Seminar	3, 4, 5	3	GHUM 2996 AP: Seminar

Note: AP Credit will only be granted for exams on this list

ENMU CREDIT AWARD - COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Examination	Cut-Off Score for Credit	Hours	ENMU Course Equivalent
GENERAL EXAMINATIONS			
College Composition	50	3	ENGL 1110
Humanities	50	6	HUMN 1110 **AND** ENGL 1410
College Mathematics	50	8	MATH 1216 **AND** 1130
Social Science and History	50	3	General Social Studies only
SUBJECT EXAMINATIONS			
Biology	50	4	BIOL 1110/L
Business Law, Introductory	50	3	BLAW 2110
Calculus	50	4	MATH 1510
Pre Calculus	50	4	MATH 1220
Chemistry	50	8	CHEM 1215/L **AND** 1255/L
College Algebra	50	4	MATH 1220
College Composition	50	3	ENGL 1110
Educational Psychology, Intro to	50	3	PSYC 2XX
Financial Accounting	50	3	ACCT 2110
French Language	50	8	FREN 1110 **AND** 1120
German Language	50	8	GLAN 8
History of USA I (Early Colonization in 1877)	50	3	HIST 1110
History of USA II (1865 to present)	50	3	HIST 1120
Human Growth and Development	50	3	PSYC 2140
Information Systems and Computer Applications	50	3	BCIS 2XX
Macroeconomics, Principles of	50	3	ECON 2110
Management, Principles	50	3	MGMT 2110
Marketing, Principles of	50	3	MKTG 2110
Microeconomics, Principles of	50	3	ECON 2120
Psychology, Introductory	50	3	PSYC 1110
Sociology, Introductory	50	3	SOCI 1110
Spanish Language	50	8	SPAN 1110 **AND** 1120
Spanish Language	60	7	SPAN 1120 **AND** 2110
Western Civ. I: Ancient Near East to 1648	50	3	HIST 1150
Western Civ. II: 1648 to present	50	3	HIST 1160

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

ENMU CREDIT AWARD - INTERNATIONAL BACCALAUREATE (IB)

Subject Examinations	Score	Hours	ENMU Course Equivalent
Written Communication			
ENGL SL	4	3	ENGL 1110
ENGL HL	4	6	ENGL 1110 **AND** 1120
FREN SL	4	8	FREN 1110 **AND** 1120
FREN HL	4	8	FREN 1110 **AND** 1120
SPAN SL	4	8	SPAN 1110 **AND** 1120
SPAN HL	4	8	SPAN 1110 **AND** 1120
Mathematics			
Mathematical Studies SL	4	4	MATH 1220
Mathematics SL	4	4	MATH 1510
Mathematics HL	4	8	MATH 1510 **AND** 1520
Sciences			
Astronomy SL	4	4	ASTR 1115/L
Biology SL	4	4	BIOL 1110/L
Biology HL	4	4	BIOL 1110/L
Chemistry SL	4	4	CHEM 1215/L
Chemistry HL	4	8	CHEM 1215/L **AND** CHEM 1225/L
Physics SL	4	4	PHYS 1230/L
Physics HL	4	8	PHYS 1230/L **AND** PHYS 1240/L
Social and Behavioral Sciences			
Economics SL	4	3	ECON 2110
Economics HL	4	6	ECON 2110 **AND** 2120
Geography SL	4	3	GEOG 1130
Geography HL	4	6	GEOG 1130 **AND** 1140
Global Politics SL	4	3	POLS 1110

Subject Examinations	Score	Hours	ENMU Course Equivalent
Social and Behavioral Sciences			
Global Politics HL	4	3	POLS 1110
Psychology SL	4	3	PSYC 1110
Psychology HL	4	3	PSYC 1110
Social and Cultural Anthropology SL	4	3	GEOG 1140
Social and Cultural Anthropology HL	4	3	GEOG 1140
Humanities			
History SL	4	3	HIST 1150
History HL	4	6	HIST 1150 **AND** 1160
Philosophy SL	4	3	PHIL 1115
Philosophy HL	4	6	PHIL 1115 **AND** 1120
World Religions SL	4	3	RELG 1110
Fine Arts			
Art	4	3	ARTH 1110
Dance SL	4	3	DANC 1110
Film SL	4	3	THEA 1130
Film HL	4	3	THEA 1130
Music SL	4	3	MUSC 1130
Music HL	4	3	MUSC 1130
Theatre SL	4	3	THEA 1110
Theatre HL	4	3	THEA 1110
Visual Arts SL	4	3	ARTH 1110
Visual Arts HL	4	3	ARTH 1110
Business			
Business Management SL	4	3	MGMT 2110

Note: IB Credit will only be granted for exams on this list.

General Degree Requirements

Each student is solely responsible for complying with all academic regulations of the University and with all academic requirements of the curricular program they select.

Degree Abbreviations

A.A.	Associate of Arts
A.S.	Associate of Science
B.A.	Bachelor of Arts
B.A.A.S.	Bachelor of Applied Arts and Sciences
B.A.E.	Bachelor of Arts in Education
B.B.A.	Bachelor of Business Administration
B.C.T.E.	Bachelor of Career and Technical Education
B.F.A.	Bachelor of Fine Arts
B.M.	Bachelor of Music
B.M.E.	Bachelor of Music Education
B.S.	Bachelor of Science
B.S.E.	Bachelor of Science in Education
B.S.N.	Bachelor of Science in Nursing
B.S.W.	Bachelor of Social Work
B.U.S.	Bachelor of University Studies

Associate Degree (A.A., A.S.) Requirements

1. 60 hours minimum completed hours.
2. 2.00 institutional (ENMU-Portales) GPA.
3. 2.00 institutional (ENMU-Portales) 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 credit award hours that may be applied to the associate degree from ACT/SAT, AP/CLEP/DSST/IB 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., 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 specific degrees.

Note: The B.U.S., B.C.T.E., and B.A.A.S. degrees are not available as a second bachelor's degree, or as a concurrent degree with another bachelor's degree.

1. 120 hours minimum completed hours.
2. 31-32 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 at least 18 hours of upper-division coursework.
5. 2.00 institutional (ENMU) GPA.
6. 2.00 institutional (ENMU) GPA in major and minor (Some programs may require higher GPA in major requirements).
7. 30 hours of the final 60 hours must be taken from ENMU-Portales.
8. Three 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. Three-hour Diversity/Global upper-division course. This institutional 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. A list of approved upper-division Diversity/Global Courses is available under Institutional Requirements later in this section.
10. Completion of assessment degree requirement, **see Page 45.**
    Note: The maximum number of credit award hours that may be applied to the bachelor degree from ACT/SAT, AP/CLEP/DSST/IB 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 2220, or the equivalent in a language other than Spanish. See SPAN course descriptions for prerequisites in course descriptions beginning **on Page 158.**

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 Applied Arts and Sciences (B.A.A.S.) Degree Requirements

1. 120 hours minimum completed hours.
2. 31 hours minimum of General Education Requirements, **see Page 47.**
3. Technical or Vocational credits (30-58) hours from recognized, accredited authorities completed prior to admission to the B.A.A.S. program.
4. 18 hours minimum of upper-division coursework. At least 15 hours of upper-division coursework must be completed through ENMU-Portales.
5. 2.00 institutional (ENMU) GPA.
6. 2.00 institutional (ENMU) GPA in secondary concentration area(s).
   Note: A grade of "D" will not count in the secondary concentration area courses.
7. 30 hours of the final 60 must be taken from ENMU-Portales.
8. Three-hour Diversity/Global upper-division course. This institutional 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. A list of approved upper-division Diversity/ Global Courses is available under Institutional Requirements later in this section.
9. 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 any other bachelor's degree.

Bachelor of Career and Technical Education (B.C.T.E.) Degree Requirements

1. 120 hours minimum completed hours.
2. 31 hours minimum of General Education Requirements, **see Page 47.**
3. Technical or Vocational credits (30-58) hours from recognized, accredited authorities completed prior to admission to the B.C.T.E. program.
4. 18 hours minimum of upper-division coursework.
5. 2.00 institutional (ENMU-P) GPA.
6. 3.00 institutional (ENMU-P) GPA in the major.
   Note: A grade of "D" will not count in the major.
7. 30 hours of the final 60 must be taken from ENMU-Portales.
8. Three-hour Diversity/Global upper-division course. This institutional 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. A list of approved upper-division Diversity/ Global Courses is available under Institutional Requirements later in this section.
   Note: The B.C.T.E. degree is not available as a second bachelor's degree, or as a concurrent degree with any other bachelor's degree.

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

1. 120 hours minimum completed hours.
2. 41-44 hours of Teaching Degree General Education Requirements, **see Page 47.**
   Note: ENGL 1110 and ENGL 1120 require grades of "C" or higher.
3. 40 hours minimum of upper-division coursework.
4. 2.75 cumulative GPA.
5. 2.75 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. Three 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. Three-hour Diversity/Global upper-division course.
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 43.**

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 Academic Affairs. 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, minor, emphasis, and/or concentration area for their program by completing a Declaration of Major Form available online at **enmu.edu/Declare** and will use a DegreeWorks degree evaluation as an unofficial degree plan. 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 degree declaration is complete, or no later than four semesters after initial enrollment.

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 use a DegreeWorks degree evaluation as an unofficial degree plan and assist the new student with registration for the first semester of classes. 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 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 both are declared 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. Students are not allowed to complete a double major between any of the Bachelor of Business Administration degrees. 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 earning two degrees concurrently. **See Page 32.**

Major

This term refers to a major field of study or primary area of specialization. It requires at least 30 semester hours, 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. or B.C.T.E. degree consisting 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.

Institutional Requirements

First-Year Seminar: First-Year Seminar (FYEX 1110) is a three-credit hour, graded orientation course for all first-year students at Eastern New Mexico University who have successfully completed fewer than 30 credit hours. College coursework taken during high school will not count toward the 30 hours.

Taken during the first semester of enrollment, 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.**

Diversity/Global Philosophy and Purpose: All graduates of ENMU-Portales are required to complete an upper-division diversity/global requirement. The purpose of the requirement is to further students' awareness of differences in culture and ideology across domestic and global communities as well as awareness of their own cultural beliefs. The goal is to prepare students to live productively in the global community, which requires an enhanced attitude of respect for others. The course also provides students with the opportunity to integrate the experiences of the general education program through the advanced application of essential skills developed in those courses, including critical thinking and effective communication.

Course titles and descriptions are available in the Course Descriptions section of this catalog under the subject prefix for each course. Not all options are available every semester. Consult the class schedule for options available in a specific semester. Courses approved as Diversity/Global offerings to meet this requirement are AG 312; ANTH 303, 310, 333, 340; ARTH 305; BUS 302, 310; CDIS 320; CJUS 310; COMM 310, 330, 331; CTED 304; FDMA 309; ENGL 303, 378, 379; HIST 305; HPE 321, 325; MUSC 375; NURS 312; POLS 312, 330; PSYC 312, RELG 402; SOCI 302; SPAN 303; or THEA 309.

General Education Philosophy and 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 47** 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 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.

Section #	Distribution Area	Required Hours	Eligible Courses
1	COMMUNI-CATION	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	MATH-EMATICS	3-4 Hours	• MATH 1130 (MATH 113), MATH 1220 (MATH 119), MATH 1230 (MATH 120) • MATH 1350 (STAT 213), **OR** MATH 1510 (MATH 124)
3	LAB SCIENCE	4 Hours (Class and Lab)	• ANTH 1120C (ANTH 245/L); ANTH 1135//L (ANTH 247/L); ANTH 1190C (ANTH/BIOL/CHEM 125/L) • BIOL 1110/L (BIOL 113/L); BIOL 1650/L (BIOL 110/L); BIOL 2110/L (BIOL154/L); BIOL 2210/L (BIOL 209/L) • CHEM 1110/L (113/L); CHEM 1215/L (CHEM 151/L); CHEM 1225/L (CHEM 152/L) • GEOL1110/L (GEOL 151/L); GEOL 1115/L (GEOL123/L); GEOL 1120/L (GEOL 113/L) • PHYS 1115/L (PHYS 113/L); PHYS 1125/L (PHYS 123/L); PHYS 1230/L (PHYS 151/L); PHYS 1240/L (PHYS 152/L)
4	SOCIAL AND BEHAVIORAL SCIENCES	3 Hours	• ANTH 1115 (ANTH 105), ANTH 1140 (ANTH 243); • ECON 1110 (ECON 200), ECON 2110 (ECON 221), ECON 2120 (ECON 222); • GEOG 1130 (ANTH/GEOG 103); GEOG 1140 (ANTH/GEOG 233); • POLS 1110 (PSCI 101), POLS 1120 (PSCI 102); • PSYC 1110 (PSY 101); PSYC 2130 (PSY 202); PSYC 2140 (PSY 201); • SOCI 1110 (SOC 101); SOCI 2240 (SOC 215), SOCI 2310 (SOC 212),
5	HUMANITIES	3 Hours	• ENGL 1410 (ENG 211); ENGL 2310 (ENG 205); ENGL 2610 (ENG 251), ENGL 2620 (ENG 252); ENGL 2630 (ENG 221), ENGL 2640 (ENG 222); • FREN 1110 (FR 101), FREN 1120 (FR 102), FREN 2110 (FR 201), FREN 2120 (FR 202); • GREK 1110 (GR 201); GREK 1120 (GR 202); • HIST 1110 (HIST 101), HIST 1120 (HIST 102), HIST 1150 (HIST 121), HIST 1160 (HIST 122), HIST 2110 (HIST 203); • RELG 1110 (REL 107); RELG 1123; (REL 101), RELG 1126 (REL 103); • SIGN 1110 (CDIS 144), SIGN 1120 (CDIS 244); • SPAN 1110 (SPAN 101), SPAN 1120 (SPAN 102), SPAN 2110 (SPAN 201), SPAN 2120 (SPAN 202), SPAN 1410 (SPAN 106); SPAN 2210 (SPAN 105) SPAN 2220 (SPAN 205)
6	FINE ARTS	3 Hours	• ARTH 1110 (ART 131), ARTH 2110 (ART 165), ARTH 2120 (ART 166); • ARTS 1240 (ART 135),), ARTS 1310 (ART 231), ARTS 1410 (ART 210); ARTS 1610 (ART 101), ARTS 1810 (ART 271); • DANC 1110 (DNC 101); • FDMA 1525 (DFM 105); • MUSC 1110/1120/1130/1140 (MUS 113A-E), MUSC 1270 (MUS 163); MUSC 2130 (MUS 274); MUSC 2720 (A/B); • THEA 1110 (THTR 111), THEA 1130 (THTR 113), THEA 1210 (THTR 121)
7	ENMU	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: • One ENGL not taken in Area I above; **OR** COMM 2120 (COMM 101), COMM 1130 (COMM 102), **OR** COMM 2140 (COMM 202) **AND** • One Math, or Science (lab optional) or Social/Behavioral Science **AND** • One Humanities or Fine Arts.
Total Hours			**31-32 hours, minimum**

College of Business

Professors	Michael Zhang
Associate Professors	Corey Cole
	Jean-Marc Gandonou
	Matthew Haney
	Ziyi Niu
	Robert Schneider
	Debra Stone
Assistant Professors	Amala Luncheon
	Ying Yan
Instructors	Trish Maguire
	Nkechi Obodozie
	Tara Vander Dussen
	Christopher Rekrut
	Konni Wallace
	Timothy Winrow

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. Programs are available for face-to-face, online, or hybrid instruction.

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.

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 with an adviser there to see a list of common course equivalencies offered at that institution.

COLLEGE OF BUSINESS Programs and Degrees Offered	Degree	Major	Emphasis	B.A.A.S. Concentration	Minor	Certificate
Accounting	B.B.A.	•			•	
Business				•		
Business Administration	B.B.A.	•				
Economics and Finance			•			
General Finance					•	
General Business			•		•	
Hospitality Management			•	•	•	
Information Systems			•	•	•	
Information Systems (Cybersecurity)	B.A.A.S.			•		
International Business			•			
Marketing			•		•	
Personal Financial Planning			•	•	•	•
Public Relations Management					•	
Economics					•	
Management	B.B.A.	•			•	

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, General Education Requirements, 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.

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.

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. A "C" or better is required for these courses.

ENGL	1110*	Composition I (3)
ENGL	1120*	Composition II (3)
COMM	1130*	Public Speaking (3)
		OR
COMM	2120*	Interpersonal Communication (3)
		OR
COMM	2140*	Small Group Communication (3)

BCIS 1110 should be taken in the first semester of attendance at ENMU.

* May also be used to satisfy General Education Requirements.

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

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.

ACCT	2110	Principles of Accounting I (Financial) (3)
ACCT	2120	Principles of Accounting II (Managerial) (3)
BCIS	1110	Introduction to Information Systems (3)
BCIS	2217	MS Excel® (3)
BFIN	2110	Introduction to Finance (3)
BLAW	2110	Business Law I (3)
ECON	2110*	Macroeconomic Principles (3)
ECON	2120*	Microeconomic Principles (3)
MATH	1350*	Introduction to Statistics (4)
MGMT	2110	Principles of Management (3)
MKTG	2110	Principles of Marketing (3)

One course from the following:

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.

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

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.

BCIS	301	Information Systems for Managers (3)
BFIN	315	Managerial Finance I (3)
BUS	380	Business Analytics (3)
BUS	453*	Business Strategy and Policy (3)
MGMT	313	Organizational Behavior (3)
MGMT	330	Production and Operations Management (3)
MKTG	425	Marketing Management (3)

* The capstone course (BUS 453) is to be completed in the last semester of the senior year at ENMU-Portales. Prerequisites include successful completion of the Business Foundation Requirements, BFIN 315, MGMT 330, and MKTG 425. It is highly recommended that all other Business Core Requirements be completed prior to taking this 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:

ACCT	430	International and Advanced Accounting Concepts (3)
BFIN	413	International Finance (3)
BUS	432	International Business Law (3)
ECON	407	International Economic Development (3)
ECON	409	International Economics (3)
MGMT	439	International Management (3)
MGMT	440	International Employment Relations (3)
MKTG	430	International Marketing (3)

Additional Degree Requirements

1. The B.B.A. requirements, **see Page 44.**
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. General Education Requirements (31-33 hours), **see Page 47.**
   Note: Some Business Foundation Requirements and Basic Skills Requirements may also fulfill General Education Requirements. See adviser for details.
4. To be awarded the B.B.A. degree, the students must attain a minimum cumulative GPA of 2.25 in the Business Foundations courses (38 hours, the Business Core courses (21 hours), and the courses necessary to complete the respective major/emphasis requirements including the International Business Course (21 hours); except for the following:
   a. Hospitality Management emphasis (22 hours),
   b. Personal Financial Planning emphasis (24 hours),
   c. Accounting major (27 hours), and
   d. International Business emphasis (30-38 hours).
5. 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 credit. 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 three credit hours. Additional internship credit hours not applied to the student's major/emphasis area may be counted as University general elective hours toward the 120-hour degree requirement.

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

The College of Business also offers B.A.A.S. degree concentrations in business, hospitality management, information systems, cybersecurity, and personal financial planning. Additional information and descriptions of available concentrations in Business can be found **on Pages 55-56.**

ACCOUNTING

These 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:

- **Public Accounting –** Certified Public Accountant (CPA)
- **Management Accounting –** Certified Management Accountant (CMA)
- **Internal Auditing –** Certified Internal Auditor (CIA)

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.

Course Descriptions begin on Page 158.

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

MAJOR: ACCOUNTING

1. **Bachelor's Degree Requirements, see Page 43.**
   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.
2. **General Education Requirements (31-33 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.** Must achieve a grade of "C" or higher in all courses.
4. **Business Core Requirements (21 hours), see Page 49**. Must achieve a grade of "C" or higher in all courses.
5. **Accounting Major Requirement (27 hours)**

ACCT	430	International and Advanced Accounting Concepts (3)

International Course Requirement - must complete course with a grade of "C" or higher.

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

There are no admissions to the Agricultural Business major program at this time. Students currently pursuing a B.B.A. with a major in Agricultural Business will complete their program under their original catalog.

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, economics, finance, general business, hospitality management, information systems, management, marketing, and personal financial planning.

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

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

MAJOR: BUSINESS ADMINISTRATION

1. **Bachelor's Degree Requirements, see Page 43.**
   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 (31-33 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.** Must achieve a grade of "C" or higher in all courses.
4. **Business Core Requirements (21 hours), see Page 49.** Must achieve a grade of "C" or higher in all courses.
5. **International Course Requirement (3 hours).** Complete one of the following: BFIN 413, BUS 432, ECON 407, 409, MGMT 439, 440 or MKTG 430, as stipulated by the emphasis, with a grade of "C" or higher.
6. **Emphasis Course Requirements (18-32 hours).** See specific business administration emphases below. Students must achieve a grade of "C" or higher in all courses.
7. **Electives to complete a minimum of 120 hours**
   Note: This major does not require a minor.

BUSINESS ADMINISTRATION EMPHASIS:
ECONOMICS AND FINANCE (21 HOURS)

The International Course Requirement is fulfilled with either ECON 407, 409, or BFIN 413 (3 hours).

In addition, students must complete:

ECON	321	Intermediate Macroeconomics (3)
ECON	322	Intermediate Microeconomics (3)
BFIN	317	Financial Modeling (3)
BFIN	319	Managerial Finance II (3)
PFP	330	Investments: Principles and Policies (3)
STAT	313	Statistical Methods II (3)

BUSINESS ADMINISTRATION EMPHASIS:
GENERAL BUSINESS (21 HOURS)

The International Course Requirement is fulfilled with BFIN 413, BUS 432, ECON 407, 409, MGMT 439, 440, or MKTG 430 (3 hours).

Complete six College of Business upper-division (300-/400-level) elective courses with no more than 9 hours in any one area (i.e., ACCT, BCIS, BFIN, BUS, ECON, HRTM, MGMT, MKTG, or PFP), for a total of 18 credit hours. Internship (up to 3 credit hours) may be used to fulfill the College of Business upper-division elective requirement. BUS 310 Global Business cannot be counted toward fulfilling this emphasis.

BUSINESS ADMINISTRATION EMPHASIS:
HOSPITALITY MANAGEMENT (22 HOURS)

The International Course Requirement is fulfilled with BFIN 413, BUS 432, ECON 407, 409, MGMT 439, 440, or MKTG 430 (3 hours).

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)

Complete one upper-division (300-/400-level) HRTM elective three-hour course.

Internship (up to three credit hours) may be used to fulfill the upper-division elective requirement.

BUSINESS ADMINISTRATION EMPHASIS:
INFORMATION SYSTEMS (21 HOURS)

The International Course Requirement is fulfilled with BUS 432, MGMT 439, 440, or MKTG 430 (3 hours).

In addition, students must complete:

BCIS	315	E-Business Strategy (3)
BCIS	316	Cybersecurity (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 (3 hours).

In addition, complete:

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 Conversation and Composition (3)

Complete one upper-division (300-/400-level) College of Business elective three-hour course. An internship (up to three credit hours) may be used to fulfill this requirement, and:

Spanish Language Requirements for non-Native Speakers (14 hours)

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

Spanish Language Requirements for Native Speakers (6 hours)

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

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

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 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 (21 HOURS)

The International Course Requirement is fulfilled with MKTG 430 (3 hours).

In addition, complete:

MKTG	325	Services Marketing (3)
MKTG	413	Digital Marketing (3)
MKTG	419	Consumer Behavior (3)
MKTG	452	Integrated Marketing Communications (3)

Complete one upper-division (300-/400-level) MKTG three-hour course and any one College of Business upper-division (300-/400-level) elective three-hour course. An internship (up to 3 credit hours) may be used to fulfill the College of Business upper-division elective requirement. BUS 310 Global Business cannot be counted toward fulfilling this emphasis.

BUSINESS ADMINISTRATION EMPHASIS:

PERSONAL FINANCIAL PLANNING (24 HOURS)

The International Course Requirement is fulfilled with either ECON 407, 409, or BFIN 413 (3).

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 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 Pages 53-54.**

MANAGEMENT

The objectives of the management program are to provide students with a comprehensive understanding of the principles, processes and practices involved in the management of people and organizations.

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

MAJOR: MANAGEMENT

1. **Bachelor's Degree Requirements, see Page 43.**
   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 (31-33 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.** Must achieve a grade of "C" or higher in all courses.
4. **Business Core Requirements (21 hours), see Page 49.** Must achieve a grade of "C" or higher in all courses.
5. **Management Major Requirements (21 hours)** The International Course Requirement is fulfilled by one of the following: BUS 432, ECON 407, 409, MGMT 439, 440, or MKTG 430, with a grade of "C" or higher (3 hours).

MGMT	314	Human Resources (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 course descriptions or discuss with adviser.

6. **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 (Financial) (3)
ACCT	2120	Principles of Accounting II (Managerial) (3)
ACCT	305	Intermediate Accounting I (3)
ACCT	311	Cost Accounting (3)
MATH	1350*	Introduction to Statistics (4)

One course from the following:

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: 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	Intermediate Macroeconomics (3)
ECON	322	Intermediate Microeconomics (3)
ECON	407	International Economic Development (3)
		OR
ECON	409	International Economics (3)

Note: Some of these courses may have prerequisites.

* May also be used to satisfy General Education Requirements.

MINOR: GENERAL FINANCE

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 general finance.

Course Requirements (16 hours)

ACCT	2110	Principles of Accounting I (Financial) (3)
BFIN	2110	Introduction to Finance (3)
PFP	310	Personal Finance (3)
PFP	330	Investment Principles and Policy (3)
MATH	1350*	Introduction to Statistics (4)

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

* May also be used to satisfy General Education Requirements.

MINOR: GENERAL BUSINESS

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

Course Requirements (22 hours)

ACCT	2110	Principles of Accounting I (Financial) (3)
BLAW	2110	Business Law (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)

One course from the following:

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

* May be used to satisfy General Education Requirements.

MINOR: HOSPITALITY MANAGEMENT

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

Course Requirements (15 hours)

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)
HRTM	320	Hospitality Facilities Management (3)
		OR
HRTM	420	Bar and Beverage Management (3)

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 (18 hours)

BCIS	1110	Introduction to Information Systems (3)
BCIS	2217	MS Excel® (3)
BCIS	301	Information Systems for Managers (3)
BCIS	315	E-Business Strategy (3)
BCIS	316	Cybersecurity (3)

One course from the following:

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

MINOR: MANAGEMENT

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

Course Requirements (18 hours)

MGMT	2110	Principles of Management (3)
MGMT	313	Organizational Behavior (3)
MGMT	314	Human Resources (3)
MGMT	425	Training and Development (3)
MGMT	435	Supervision and Management (3)
MGMT	475	Leadership and Organizational Change (3)

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

MINOR: MARKETING

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

Course Requirements (15 hours)

MKTG	2110	Principles of Marketing (3)
MKTG	419	Consumer Behavior (3)
MKTG	430	International Marketing (3)
MKTG	452	Integrated Marketing Communications (3)

Complete any one upper-division (300-/400-level) MKTG three-hour course.

Note: Some of these courses may have prerequisites. Check course descriptions 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 personal financial planning may not also minor in personal financial planning.

Course Requirements (21 hours)

PFP*	310	Personal Finance (3)
PFP	320	Business Risk Management and Insurance (3)
PFP	330	Investment: 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)

* 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 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.

MINOR: PUBLIC RELATIONS MANAGEMENT

Note: Prerequisites waived.

Course Requirements (18 hours)

COMM	303	Public Relations Techniques (3)
COMM	460	Public Relations Cases and Campaigns (3)
MGMT	313	Organizational Behavior (3)
MGMT	425	Training and Development (3)
MGMT	435	Supervision and Management (3)
MGMT	475	Leadership and Organizational Change (3)

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

The College of Business also offers B.A.A.S. degree with concentrations in the following areas. Additional information and descriptions of available concentrations in Business can be found **on Pages 55-56.**

B.A.A.S. CONCENTRATION:

BUSINESS

Note: This concentration is only available for students seeking a B.A.A.S. degree.

Note: This concentration can be completed through online instruction.

Course Requirements (37 hours)

ACCT	2110	Principles of Accounting I (Financial) (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	2110	Principles of Marketing (3)

Complete any one of the following:

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

Complete five upper-division (300-/400-level) College of Business elective three-hour courses. BUS 310 Global Business cannot be counted toward fulfilling this concentration.

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

B.A.A.S. CONCENTRATION:

HOSPITALITY MANAGEMENT

Note: This concentration is only available for students seeking a B.A.A.S. degree.

Note: This concentration can be completed through online instruction.

Course Requirements (28 hours)

CA	102	ServSafe® (1)
HRTM	300	Convention and Event Management (3)
HRTM	305	Hotel and Club Management (3)
HRTM	320	Hospitality Facility Management (3)
HRTM	410	Food Operations Management (3)
HRTM	420	Bar and Beverage Management (3)
HRTM	450	Tourism Development (3)
MGMT	2110	Principles of Management (3)
MKTG	2110	Principles of Marketing (3)
MKTG	325	Services Marketing (3)

B.A.A.S. CONCENTRATION:

INFORMATION SYSTEMS

Note: This concentration is only available for students seeking a B.A.A.S. degree.

Note: This concentration can be completed through online instruction.

Course Requirements (24 hours)

BLAW	2110	Business Law I (3)
BCIS	1110	Introduction to Information Systems (3)
BCIS	2217	MS Excel® (3)
BCIS	301	Information Systems for Managers (3) (Prerequisite for BCIS 315, 316)
BCIS	315	E-Business Strategy (3)
BCIS	316	Cybersecurity (3)
BCIS	460	Project Management (3)

Complete any one upper-division (300-/400-level) College of Business course (three hours). BUS 310 Global Business cannot be counted toward fulfilling this concentration.

B.A.A.S. CONCENTRATION:

INFORMATION SYSTEMS – CYBERSECURITY

Note: This concentration is only available for students seeking a B.A.A.S. degree.

Note: This concentration can be completed through online instruction.

Course Requirements (27 hours)

BUS	310	Global Business (3)
		OR
CJUS	310	Comparative Criminal Justice (3)
CJUS	401	Terrorism and Counterterrorism (3)
		OR
CJUS	402	White Collar Crime (3)
BCIS	301	Information Systems for Managers (3)
BCIS	316	Cybersecurity (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)
MGMT	313	Organizational Behavior (3)

Students may need to complete additional courses to meet residency and/or graduation requirements.

B.A.A.S. CONCENTRATION:

PERSONAL FINANCIAL PLANNING

Note: This concentration is only available for students seeking a B.A.A.S. degree. Students may complete the concentration in personal financial planning in order to sit for the CFP® examination.

Note: This concentration can be completed through online instruction.

Course Requirements (21 hours)

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

* 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 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

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 Pages 51-52.**

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 personal financial planning may not be eligible for financial aid.

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, agriculture, kinesiology, career and technical education, and interdisciplinary programs. The college prepares students to function effectively in a pluralistic society by developing awareness, understanding, and appreciation for diversity. Programs of study within the college prepare students to be licensed as teachers in New Mexico and for a variety of professional careers.

In addition to 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 to fulfill all requirements for teacher licensure and endorsement as mandated by the State of New Mexico. B.A.E. candidates must also fulfill all requirements for the Bachelor of Arts (B.A.) degree found **on Page 43-45.**

Students desiring to teach at the secondary level, grades 6-12, 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. Concentration areas for B.A.A.S. degrees can be found **on Pages 55-56.** The college also awards Associate of Arts (A.A.) degrees in select fields.

TEACHER EDUCATION

Information in this section pertains to both the Department of Curriculum and Instruction and the Department of Educational Studies and degrees leading to early childhood, 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 toward 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 (EDUC and 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, beginning **on Page 158.** Undergraduate students who want to enroll in graduate courses must meet requirements as specified **on Page 33.** 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 (NMPED) requirements for licensure may change. Students seeking secondary (grades 6-12) licensure are advised by faculty in their majors. Questions regarding licensure should be directed to the Teacher Education Office, Education Building (ED), Room 152 or by phone to **575.562.2895.**

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, Education Building (ED), Room 152 or by phone to **575.562.2895.**

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 that allows students to be active participants in their TREC experience including course instruction with signature assessments and learning outcomes assessment. 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 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 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.

College of Education and Technology

Programs and Degrees Offered

	Degree	Major	Emphasis	Endorsement Area\ Minor for Licensure	B.A.A.S. Concentrations	Minor
Department of Curriculum and Instruction						
Bilingual Education				•		
Elementary Education/ Special Education	B.A.E., B.S.E.	•				
English as a Second Language				•		
Language Arts				•		
Reading				•		
Department of Educational Studies						
Bilingual Education				•		
English as a Second Language				•		
Early Care and Education	A.A.	•				
Early Childhood Education	B.S.	•				•
Birth to Pre-K (licensure)			•			
Birth to Pre-K (non-licensure)			•			
Pre-K to Grade 3 (licensure)			•			
Elementary Education/ Special Education	B.A.E., B.S.E.	•				
Language Arts				•		
Reading				•		
Secondary & K-12				•		
Department of Agriculture, Food Science and Kinesiology						
Agriculture	A.A.	•		•		•
Agricultural Sciences for Secondary Education	B.S.		•			
Agricultural Sciences	B.S.	•				
Agricultural Business			•			
Animal and Dairy Science	B.S.	•				
Pre-Veterinary			•			
Production and Management			•			
Career and Technical Education	B.C.T.E..	•				
Culinary Arts	B.A.A.S., B.S., A.A.	•			•	•
Nutrition						•
Health Education				•		•
Human Performance			•			
Physical Education	B.S.	•	•			
Athletic Training						•
Coaching						•

	Degree	Major	Emphasis	Endorsement Area\ Minor for Licensure	B.A.A.S. Concentrations	Minor
Department of Agriculture, Food Science and Kinesiology						
Health and Wellness			•			
Sports and Recreation Management			•			
Recreation	A.A.	•				
Sports Management						•
Interdisciplinary Programs						
Applied Arts and Sciences	B.A.A.S.	•				
Animal Science					•	
Career and Technical Education					•	
Communication					•	
Criminal Justice/Sociology					•	
Culinary Arts					•	
Electronics Engineering Technology (EET)					•	
EET Analog					•	
EET Computer Engineering					•	
EET Digital					•	
EET Renewable Energy					•	
Emergency Management					•	
Emergency Medical Services Management	B.A.A.S.				•	
Fire and Emergency Services Administration					•	
Hospitality Management					•	
Human and Social Sciences					•	
Information Systems - Business					•	
Information Systems - Cybersecurity					•	
Information Systems and Programming Design					•	
Liberal Arts					•	
Personal Financial Planning					•	
Pre-Professional Education					•	
Religion					•	
Science					•	
University Studies	B.U.S.	•				

TEACHER EDUCATION PREPARATION PROGRAMS:

EARLY CHILDHOOD, ELEMENTARY/SPECIAL EDUCATION, SECONDARY EDUCATION

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

Application for Pathway I: PROFESSIONAL TEACHER EDUCATION COURSEWORK

In EDUC 2116 and ECED 2120, students learn more about the two pathways and the requirements for each as well as the teacher preparation exams that are required in New Mexico. Students may apply for Pathway I after successful completion of Introduction to Education Coursework. Achieving Pathway I status unlocks the remainder of the coursework included in the major of the Teacher Education Program with the exception of student teaching courses in Pathway II. Please see course descriptions for prerequisites.

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

1. Completion of 30 semester hours of General Education coursework toward "Teaching Degree General Education Requirements" **(see Page 62).**
2. All TEP students must complete EDUC 2116/L with a grade of "B" or higher.
3. Students in ELED/SPED and SED must complete SPED 300 with a grade of "B" or higher.
4. Earned cumulative GPA of at least 2.75 in all coursework taken.
5. Acceptance to Pathway I remains conditional until all grades are posted for the semester of application.

Students will need to pass all remaining state-mandated exams prior to seeking admission to Pathway II.

Students are also reminded that a 2.75 cumulative GPA must be maintained for admission to Pathway II.

Application for Pathway II: CAPSTONE EXPERIENCE (Student Teaching)

Pathway II 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 co-teachers – is that each candidate has completed the licensure requirements as required of the NMPED. The skills, knowledge and dispositions required for successful passage are embedded in undergraduate teacher education program coursework and field experiences. The NMPED licensure requirements 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.

The following are the criteria that must be met to achieve Pathway II status:

1. 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.
2. 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.
3. A 2.75 GPA overall and in the major teaching field and any minor/endorsement area.
4. A minimum grade of "C" or higher is required in all courses leading to licensure (unless otherwise specified).
5. The New Mexico Public Education Department governs licensure in New Mexico. Students must meet all NMPED requirements for licensure. Check with your instructor or the Teacher Education Office at **575.562.2895** for current licensure requirements from the NMPED.

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 of the Introduction to Education Coursework 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 Pathway I Coursework completed at another regionally accredited university. Transfer students are urged to seek advisement from a program adviser for their first enrollment on this campus in order to review the electronic degree evaluation.

Licensure-Only Students

Students who have a college degree from an 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

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
300 Don Gaspar, Room 103
Santa Fe, NM 87501
LicensureUnit@state.nm.us
(505) 827-5800

Career Services and Follow-Up

The Office of 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 Career Services registers students during a large group seminar.

Subject Matter/ Endorsement Areas Programs and Degrees Offered	Majors		Endorsement Areas		
	Elementary/SPED	Secondary and K12	Early Childhood	Elementary/SPED	Secondary and/or K12
Agricultural Education					•
Biology		•			
Bilingual Education				•	•
Career and Technical Education (available as a major; no endorsement required)					
Chemistry		•			
Early Childhood Education (available as a major; no endorsement required)					
Elementary Education/ Special Education	•				
English		•			•
English as a Second Language			•	•	•
General Science				•	
Health Education				•	•
Language Arts				•	
Mathematics		•		•	•
Music Education		•			
Performing Arts				•	
Physical Education		•		•	•
Reading				•	
Social Studies		•		•	
Spanish		•		•	•
Visual Arts				•	

TEACHER EDUCATION PROGRAM PATHWAYS

	Introduction to Education Coursework			Pathway I: Professional Teacher Education Coursework		Pathway II: Student Teaching	
	1st Semester	2nd Semester	3rd Semester	4th Semester		Final Semester	
SPLED & SED/ K-12 Coursework	ENGL 1110 EDF 110	ENGL 11120 EDF 210	EDUC 2116/L SPED 300	**SPLED** BLED 350 EDF 301 EDF 309 RED 350/L RED 375/L BLED 405 BLED 490 SPED 320/L & 328 ELED 401-404 w/Labs	**SED/K-12** BLED 350 EDF 301 EDF 309 RED 495/L SED 402/L & 405	**SPLED** ELED 460 ELED 461 SPED 445 SPED 446	**SED/K-12** SED 450 SED 460
ECED Coursework	ENGL 1110 EDF 110 ECED 1110	ENGL 1120 EDF 210 ECED 1115 ECED 2110	EDUC 2116/L ECED 2120/2121 ECED 2115 ECED 1120	ECED 2130/2131 ECED 1130 ECED 1125 RED 350/L and ECED 320 RED 375/L (PreK-Grade 3 only) BLED 405 (Birth-PreK only) SPED 320/L & 328 (PreK-Grade 3 only) ECED 4140/4150/4160/4171		ECED 487 ECED 488	
Required Student Actions	• Complete 30 hours of Teacher General Education Requirements. • Attain a cumulative 2.75 GPA. • Apply for Pathway I.			• Complete all remaining coursework for specific program (except Student Teaching). • Maintain a cumulative 2.75 GPA. • Apply for Pathway II: Student Teaching.			

TEACHING DEGREE GENERAL EDUCATION REQUIREMENTS (41-44 HOURS)

2014 Senate Bill 329 compliant

Distinction Area	Required Hours	Elementary/ Special Education Blended Degree	Secondary Education Degree	Early Childhood Education Degree
Communication	9 Hours	• ENGL 1110*; • ENGL 1120*; **AND** • EDF 110 * Grade of "C" or higher required for satisfactory completion	• ENGL 1110*; • ENGL 1120*; **AND** • EDF 110 * Grade of "C" or higher required for satisfactory completion	• ENGL 1110*; • ENGL 1120*; **AND** • EDF 110 * Grade of "C" or higher required for satisfactory completion
Mathematics	6-9 Hours (Depending on Degree)	• MATH 261*; • MATH 262*; **AND** • MATH 345* * Grade of "C" or higher required for satisfactory completion	• 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)	• MATH 261* **AND** • MATH 262* * Grade of "C" or higher required for satisfactory completion
Lab Science	8 Hours	• **Choose one of the following:** BIOL 1110, 2110, 2210, 2610 (plus labs) • **Choose one of the following:** CHEM 1110, 1215; 1225, GEOL 1110, 1115, PHYS 1115, 1125, 1230**, 1240** (plus labs) **MATH 1220 pre-requisite	• **Choose one of the following:** BIOL 1110, 2110, 2210, 2610 (plus labs) • **Choose one of the following:** CHEM 1110, 1215; 1225, GEOL 1110, 1115 1120, PHYS 1115, 1125, 1230**, 1240** (plus labs) **MATH 1220 pre-requisite	• **Choose one of the following:** BIOL 1110, 2110, 2210, 2610 (plus labs) • **Choose one of the following:** CHEM 1110, 1215; 1225, GEOL 1110, 1115 1120, PHYS 1115, 1125, 1230,** 1240** (plus labs) **MATH 1220 pre-requisite
Social and Behavioral Sciences	9 Hours	• EDF 210 • **ANd two of the following (must be different prefixes):** ANTH 1115, 1140 ECON 1110, 2110, 2120 GEOG 1130, 1140 POLS 1110, 1120 SOCI 1110, 2240, 2310	• EDF 210 • **AND two of the following (must be different prefixes):** ANTH 1115, 1140 ECON 1110, 2110, 2120 GEOG 1130, 1140 POLS 1110, 1120 SOCI 1110, 2240, 2310	• ECED 1110 • **AND two of the following (must be different prefixes):** ANTH 1115, 1140 ECON 1110, 2110, 2120 GEOG 1130, 1140 POLS 1110, 1120 SOCI 1110, 2240, 2310
Humanities/ Fine Arts	9 Hours	• **One from the following (3 hours):** ARTH 1110, 2110, 2120, ARTS 1240, 1310, 1410, 1610, 1810, DANC 1110, FDMA 1525, MUSC 1110/1120/1130/1140, 1270, 2130, 2720A/B, THEA 1110, 1130, 1210 • **Two from the following:** HIST 1110, 1120, 1150, 1160, 2110	• **One from the following (3 hours):** ARTH 1110, 2110, 2120, ARTS 1240, 1310, 1410, 1610, 1810, DANC 1110, FDMA 1525, MUSC 1110/1120/1130/1140, 1270, 2130, 2720A/B, THEA 1110, 1130, 1210 • **Two from the following:** HIST 1110, 1120, 1150, 1160, 2110	• **One from the following (3 hours):** ARTH 1110, 2110, 2120, ARTS 1240, 1310, 1410, 1610, 1810, DANC 1110, FDMA 1525, MUSC 1110/1120/1130/1140, 1270, 2130, 2720A/B, THEA 1110, 1130, 1210 • **Two from the following:** HIST 1110, 1120, 1150, 1160, 2110
Total Hours		**44 hours**	**43 hours**	**41 hours**

**MATH 1220 prerequisite

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Associate Professors Cindy Benge
Mary Arth Daughrity
Mary K. Kallus
Mark Viner

Assistant Professors Johannes Addido
Tala Karkar Esperat
Amrit Thapa
Maria Miqueliz Valcarlos

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 43-45**. **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. B.A.E. candidates must satisfy the language requirement (6-14 hours), **See Pages 43-45**. 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 (58 hours)** Must be completed with a grade of "C" or higher unless otherwise noted.

INTRODUCTION TO EDUCATION COURSEWORK

EDUC	2116/L	Introduction to Education /Field Experience (3)
SPED	300	Introduction to Special Education (3)

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/L	Teaching and Learning Reading and Writing I (3)
RED	375/L	Teaching and Learning Reading and Writing II (3)

PROFESSIONAL TEACHER EDUCATION COURSEWORK

Please refer to course descriptions for any prerequisites for the following courses.

BLED	405	Literacy and the Bilingual Child (3)
BLED	490	ESL Strategies in Content Areas (3)
ELED	401/L	Literacy Methods for Diverse/ Inclusive Classrooms (3)
ELED	402/L	Social Studies Methods for Diverse/Inclusive Classrooms (3)
ELED	403	Mathematics Methods for Diverse/Inclusive Classrooms (3)
ELED	404	Science Methods for Diverse/ Inclusive Classrooms (3)
SPED	320/L	Planning/Assessment for the Inclusive Classroom (3)
SPED	328	Classroom/Behavior Management: Exceptional Individuals/Inclusive Environments (3)

CAPSTONE EXPERIENCE

ELED	460	Student Teaching: Elementary I (3)
ELED	461	Student Teaching: Elementary II (3)
SPED	445	Student Teaching: Special Education I (3)
SPED	446	Student Teaching: Special Education II (3)
ECED/ ELED/ SPED/ SED	490	NMPED Portfolio Preparation (1)

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 at least 120 hours,** depending on endorsement area. 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 OR SECONDARY 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: NM Spanish Language Proficiency Exam* is achieved.**
   Note: A total of 18 hours of coursework must be taken in classes taught in Spanish. Native speakers take SPAN 2210, SPAN 2220, or SPAN 330 for a total of six hours. Non-native speakers take SPAN 2110 and 2120 for a total of 6 hours. Combine these six hours with the Spanish requirements in Section 3 below in the minor for a total of 18 hours.
2. **Course Requirements (18 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. **Complete six hours of electives taught in Spanish from the following:**

SPAN	325*	Peninsular Culture and Civilization (3)
		OR
SPAN	326	Latin American Culture and Civilization (3)
SPAN	331	Latin American Literature Survey I (3)
SPAN	332	Latin American Literature Survey II (3)
SPAN	351	Peninsular Literature Survey I (3)
SPAN	352	Peninsular Literature Survey II (3)
SPAN	493	Topics in Spanish (3) (Provided this class is literature or Culture)

* Whichever SPAN course was 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/MINOR:

ENGLISH AS A SECOND LANGUAGE

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

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

Note: Students will be required to complete a minimum of six 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)
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/x Literature (3)
		OR
ENGL	413	Literature of the Southwest (3)

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

ECED	4020	Family, Language and Culture (3)
RED	350/L	Teaching and Learning Reading and Writing I (3)

OR

Elementary/Special Education and Secondary Education Requirements (6 hours)

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

SUBJECT MATTER/ENDORSEMENT AREA/MINOR:

LANGUAGE ARTS

LICENSURE: ELEMENTARY/SPECIAL EDUCATION

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

Course Requirements (24 hours)

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

One course from the following:

EDF	110*	Communication for Educators (3)
THEA	1210*	Acting for Non-Majors (3)

* Also meets Teacher Education general education communication requirement.

One course from the following:

ENGL	2210	(Formerly ENGL 325) Professional and Technical Communication (3)
ENGL	401	Creative Non-Fiction (3)

One course from the following:

ENGL	1410	Introduction to Literature (3)
ENGL	376	Latina/o/x Literature (3)

One course from the following:

ENGL	2610	American Literature I (3)
ENGL	2620	American Literature II (3)
ENGL	2630	British Literature I (3)
ENGL	2640	British Literature II (3)
ENGL	378	World Literature (3)

SUBJECT MATTER/ENDORSEMENT AREA/MINOR:

READING

LICENSURE: ELEMENTARY/SPECIAL EDUCATION

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

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

Select 24 hours from the following:

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

DEPARTMENT OF EDUCATIONAL STUDIES

Professors	Rebecca Davis
	Kathie Good
	B. Lee Hurren
	Michael F. Shaughnessy
	Kathleen Wagner
Associate Professor	Elizabeth Lester
	Tsitsi Nyabando
Assistant Professors	Tracie Campbell
	Selinda Cumby
	Elizabeth Lester
	Janet Birkey
	John Petrone
	Presley Shilling
	Elizabeth Stewart
	Matthew Vetterly
Instructors	Rebbecca Gossett
	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 43-45.** **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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. **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 (36 hours)** Complete the following courses in numbered sequence with a grade of "C" or higher, unless otherwise noted.

INTRODUCTION TO EDUCATION COURSEWORK

EDUC	2116/L	Introduction to Education/ Field Experience (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)

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)
SED	415	Reading and Content Area Literacy (3)

FOUNDATIONS OF TEACHER EDUCATION COURSEWORK

SED	402/L	Planning and Assessment/Field Experience (3)
SED	405	Classroom Management and Issues in Education (3)

CAPSTONE EXPERIENCE

SED	460	Student Teaching: Secondary (12)

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)

Please see the Bachelor of Arts in Education (B.A.E.) or Bachelor of Science in Education (B.S.E.) requirements under the Curriculum and Instruction section in this catalog.

Transferring the Early Childhood Education Discipline Module

Consistent with the requirements of Statute 21-1B-4, the New Mexico Higher Education Department and state higher education institutions have developed several discipline modules that consist of an agreed-upon number of hours and courses, including 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 three 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 43-45.** **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. **Teaching General Education Requirements (41 hours), see Page 62.**
3. **Professional Education Requirements (76 hours).** Must be completed with a grade of "C" or higher unless otherwise noted.

INTRODUCTION TO EDUCATION COURSEWORK

ECED	1110	Child Growth, Development and Learning (3) (General Education Requirement)
ECED	1115	Health, Safety and Nutrition (2)
ECED	1120	Guiding Young Children (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)
EDUC	2116/L	Introduction to Education/ Field Experience (3) (Must be completed with a grade of "B" or higher)

FOUNDATIONS OF TEACHING COURSEWORK

BLED	405	Reading and the Bilingual Child (3)
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 and Implementation: Age 3 (Pre-K) through Grade 3 Practicum (2)
ECED	320	Teaching and Learning Reading and Writing Practicum (1)
ECED	4020	Family, Language, and Culture (3)
ECED	4110	Advanced Caregiving for Infants and Toddlers Birth through Pre-K (3)
ECED	4130	Integrated Curriculum: Birth through Pre-K (3)
RED	350/L	Teaching and Learning Reading and Writing I (3)

PROFESSIONAL TEACHER EDUCATION COURSEWORK

ECED	4010	Research in Child Growth, Development and Learning (3)
ECED	4030	Young Children with Diverse Abilities (3)
ECED	403	Infant and Toddler Assessment and Evaluation (3)
ECED	4120	Emergent Literacy (3)
ECED	4131	Integrated Curriculum: Birth through Pre-K Practicum (4)

CAPSTONE EXPERIENCE

ECED	487	Student Teaching in Early Childhood Education I (6)
ECED	488	Student Teaching in Early Childhood Education II (6)

Note: Degree requirements and electives must add up to a minimum of 120 hours. 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-LICENSURE)

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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. Degree requirements and electives must add up to a minimum of 120 hours.
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 (52 hours)**
   BLED 350 Cultural and Linguistic Pluralism (3)
   ECED 1110 Child Growth, Development and Learning (3) (General Education Requirement)
   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 Implementation: Age 3 through Grade 3 (3)
   ECED 4120 Emergent Literacy (3)
   ECED 320 Teaching Reading and Writing Practicum (1)
   ECED 4110 Advanced Caregiving for Infants and Toddlers (3)
   ECED 403 Infant and Toddler Assessment and Evaluation (3)
   ECED 404 Infant and Toddler Assessment and Evaluation Practicum (1)
   ECED 4010 Research in Child Growth, Development and Learning (3)
   ECED 4130 Integrated Curriculum: Birth through Pre-K (3)
   ECED 4030 Young Children with Diverse Abilities (3)
   ECED 4020 Family, Language and Culture (3)
   RED 350/L Teaching and Learning Reading and Writing I (3)
5. **Practicum and Supervised Field Experiences (8 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 4131 Integrated Curriculum: Birth through Pre-K Practicum (4)
6. **Additional Required Coursework (15 hours):**
   BLED 405 Reading and the Bilingual Child (3)
   BLED 438 Language Arts and ESL (3)
   EDF 309 Technology in the Classroom (3)
   RED 496 Elementary Content Area Literacy and Strategies (3)
   SPED 300 Introduction to Special Education (3)

Note: Degree requirements and electives must add up to a minimum of 120 hours. This major does not require a minor.

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

LICENSURE: EARLY CHILDHOOD EDUCATION PRE-K – GRADE 3 (LICENSURE)

Note: Cumulative GPA of 2.75 is required.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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. **Teaching General Education Requirements (41 hours), see Page 62.**
3. **Professional Education Requirements (78 hours)** Must be completed with a grade of "C" or higher unless otherwise noted.

INTRODUCTION TO EDUCATION COURSEWORK

ECED 1110 Child Growth, Development and Learning (3) (General Education Requirement)
ECED 1115 Health, Safety and Nutrition (2)
ECED 1120 Guiding Young Children (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)
EDUC	2116/L	Introduction to Education (3) (Must be completed with a grade of "B" or higher)

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 and Implementation: Age 3 (Pre-K) through Grade 3 Practicum (2)
ECED	320	Teaching Reading and Writing Practicum I (1)
RED	350/L	Teaching and Learning Reading and Writing (3)
RED	375/L	Teaching and Learning Reading and Writing II (3)

PROFESSIONAL TEACHER EDUCATION COURSEWORK

ECED	4030	Young Children with Diverse Abilities (3)
ECED	4150	Teaching and Learning Language Arts (3)
ECED	4140	Teaching and Learning Math and Science (4)
ECED	4160	Teaching and Learning Social Studies, Fine Arts and Movement (3)
ECED	4171	Teaching and Learning Practicum (2)
ECED	4020	Family, Language and Culture (3)
ECED	4010	Research in Child Growth, Development and Learning (3)
SPED	320/L	Planning/Assessment for the Inclusive Classroom (3)
SPED	328	Classroom/Behavior Management: Exceptional Individuals/Inclusive Environments (3)

CAPSTONE EXPERIENCE

ECED	487	Student Teaching in Early Childhood Education I (6)
ECED	488	Student Teaching in Early Childhood Education II (6)

Note: Degree requirements and electives must add up to a minimum of 120 hours. This major does not require a minor.

MINOR: EARLY CHILDHOOD EDUCATION

Early Childhood Course Requirements (24 hours)

ECED	1110	Child Growth, Development and Learning (3)
ECED	1120	Guiding Young Children (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)
ECED	4130	Integrated Curriculum: Birth through Pre-K (3)
ECED	4131	Integrated Curriculum: Birth through Pre-K Practicum (4)

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 childcare.

1. **Associate Degree Requirements, see Page 43.**
   Note: Students must successfully complete institutional requirements, FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **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	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)
ECED	2130	Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 (3)
ECED	2131	Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 Practicum (2)

Note: This program requires about 67 hours.

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 44.**

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 43-45.** **Note:** Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. The B.U.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. **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.** **Note:** The B.U.S. degree cannot be completed concurrently with any other bachelor's degree. The B.U.S. degree is not available as a second bachelor's degree.

DEPARTMENT OF AGRICULTURE, FOOD SCIENCE AND KINESIOLOGY

Associate Professor	Sarah J. Wall
	Richard Guerra
Assistant Professor	Kalynn Baldock
	Aiden Juge
	Hyunjin Kwong
	Hyokju Maeng
	Anu Ogunleye
	Jihyun Woo
Instructor	Shyanne Sansom
	Lisa Campbell

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 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 degree with a major in agricultural sciences with two different emphases: Agribusiness and agricultural education secondary licensure.
3. Associate of Arts degree with a major in agriculture.
4. 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. **Course Descriptions begin on Page 158.**

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 66.** 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 (26 hours)

ACOM	1110	Introduction to Agricultural Communications (3)
AEEC	1110	Introduction to Agricultural Economics and Business (3)
AGRI	1110	Introduction to Agricultural Education (3)
AGRO	1110C	Introduction to Plant Science (3)
ANSC	1110	Animal Science Careers (1)
ANSC	1120	Introduction to Animal Science (3)
ANSC	2320	Principles of Animal Nutrition (3)
SOIL	2110	Introduction to Soil Science (3)
AG	394	Professional Leadership Development (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 43-45.** **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 (26 hours), see Page 71.**
4. **Agriculture Requirements (36 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	350	Advanced Dairy Production (3)
AG	413	Experimental Design and Statistical Analysis in Agricultural Science (3)
AG	421	Advanced Feeding and Nutrition (3)
AG	433	Veterinary Science (3)
AG	450	Reproductive Physiology (3)

Complete three courses from:

AG	320	Horse Production and Management (3)
AG	348	Swine Production (3)
AG	349	Small Ruminant Production (3)
AG	351	Beef Production (3)
AG	489	Internship (3)

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

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

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: ANIMAL AND DAIRY SCIENCE

EMPHASIS: PRE-VETERINARY

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 (26 hours), see Page 71.**
4. **Agriculture Requirements (30 hours).**

AGRI	1120	Introduction to Dairy (3)
ANSC	2340	Genetics in Animal Science (3)
AG	325	Animal Physiology (3)
AG	350	Advanced Dairy Production (3)
AG	413	Experimental Design & Statistical Analysis in Ag Science (3)
AG	433	Veterinary Science (3)
AG	450	Reproductive Physiology (3)

Complete three courses from:

AG	320	Horse Production and Management (3)
AG	348	Swine Production (3)
AG	349	Small Ruminant Production (3)
AG	351	Beef Production (3)
AG	489	Internship (3)

5. **Required courses in other areas (30 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 and Technical Communication (3)
PHYS	1230/L*	Algebra-based Physics I (4)

* May also be used to satisfy General Education Requirements.

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 SCIENCES

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 Core Curriculum (26 hours), see Page 71.**
4. **Agriculture Requirements (33 hours).**

AGRI	1120	Introduction to Dairy (3)
HORT	1110	Introduction to Horticulture (3)
AG	401	Shifting Paradigm to Sustainability in Agriculture (3)

Any six courses from:

AGRI	1210	Rural Buildings and Materials (3)
AGRI	1220	Agricultural Power and Machinery (3)
AXED	2110	Metal Fabrication (3)
AG	304	Pest Management (3)
AG	331	Forage, Crops and Pasture (3)
AG	370	Agricultural Systems Technology (3)
AG	405	Advanced Range Management (3)
AG	415	Advanced Horticulture (3)

Any 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)
AG	489	Internship (3)

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

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: AGRICULTURAL SCIENCES

EMPHASIS: AGRICULTURAL BUSINESS

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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. MATH 1220 recommended.**
3. **Agriculture Core Curriculum (26 hours), see Page 71.**
4. **Agriculture Requirements (30 hours)**

AGRI	1120	Introduction to Dairy (3)
HORT	1110	Introduction to Horticulture (3)

Any six courses from:

AGRI	1210	Rural Buildings and Materials (3)
AGRI	1220	Agricultural Power and Machinery (3)
AXED	2110	Metal Fabrication (3)
AG	304	Pest Management (3)
AG	331	Forage, Crops and Pasture
AG	370	Agricultural Systems Technology (3)
AG	405	Advanced Range Management (3)
AG	415	Advanced Horticulture (3)

Any 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)
AG	489	Internship (3)

5. **AG Business Requirements (28 hours)**

AG	311	Farm Management and Records (3)
AG	340	Marketing Agricultural Products (3)

Required Courses in other areas:

ACCT	2110	Principles of Accounting I (3)
BLAW	2110	Business Law (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)

One course from the following:

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

* May be used to satisfy General Education Requirements.

6. **Electives to complete a minimum of 120 hours.**
   Note: A minor is not required.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: AGRICULTURAL SCIENCES

EMPHASIS: AGRICULTURAL EDUCATION SECONDARY LICENSURE

Note: Cumulative GPA of 2.75 is required.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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. **Teacher General Education Requirements (41-43 hours), see Page 62.**
3. **Agriculture Core Curriculum (26 hours), see Page 71.**
4. **Agriculture Education Course Requirements (9 hours)**

HORT	1110	Introduction to Horticulture (3)
AG	400	Planning Agriculture Education Programs (3)
AG	480	Methods of Teaching Agriculture (3)

5. **Complete four courses from the following (12 hours)**
   - AG Mechanics electives (6 hours)
   - Other electives in Agriculture (6 hours)
6. **Professional Education Requirements (33 hours), see Page 66.**
7. **Electives to complete a minimum of 120 hours.**

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 43.**
   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. **Agriculture Course Requirements (18 hours)**

AEEC	1110	Introduction to Agricultural Economics and Business (3)
AGRI	1120	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 (24 hours)

ACOM	1110	Introduction to Agricultural Communications (3)
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)

Complete six hours of AG electives, including three upper-division (300-/400-level) hours.

SUBJECT MATTER ENDORSEMENT

MINOR: AGRICULTURE

LICENSURE: SECONDARY

Note: GPA of 2.75 is required in the minor.

Agriculture Course Requirements (27 hours)

AEEC	1110	Introduction to Agricultural Economics and Business (3)
AGRI	1110	Introduction to Agricultural Education (3)
AGRO	1110C	Introduction to Plant Science (3)
ANSC	1120	Introduction to Animal Science (3)
SOIL	2110	Introduction to Soil Science (3)
AG	394	Professional Leadership Development (3)
AG	480	Methods of Teaching Agriculture (3)

Complete two upper-division (300-/400-level) AG courses (six hours).

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. **Course Descriptions begin on Page 158.** A B.A.A.S. concentration in Culinary Arts is available to eligible students **(see Page 83).**

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

1. **Bachelor's Degree Requirements, see Page 43-45.** **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. Recommend MATH 1130 and ENGL 2210.**
3. **Required Courses in Culinary Arts (34 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)
CA	275	American Cuisine (3)
CA	210	Foods of the World (3)
FCST	2310	Food Science (3)
FCST	2320	Culinary Nutrition (3)
ACCT	2110	Principles of Accounting I (3)

4. **Minimum of six hours from the following (three hours upper division):**

CA	170	Catering and Events I (3)
CA	270	Catering and Events II (3)
CA	370	Catering and Events III (3)
CA	470	Catering and Events IV (3)

5. **Required Upper-Division Courses in Culinary Arts (24 hours)**

CA	325	Cakes and Confections (3)
CA	327	Garde Manger (3)
CA	330	Mediterranean Cuisine (3)
CA	335	Special Diets (3)
CA	450	Classical French Cuisine (3)
CA	455	Asian Cuisine (3)
CA	496	Culinary Arts Internship (3+3 or 6)

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

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 43.** **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. **Culinary Arts and Related Course Requirements (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. **Electives to complete a minimum of 60 hours.**

MINOR: CULINARY ARTS

Course Requirements (22 hours)

CA	102	ServSafe® (1)
CA	104	Culinary Essentials I (3)
CA	120	Applied Culinary Skills I (3)
CA	125	Introduction to Baking and Pastry (3)
CA	204	Culinary Essentials II (3)
CA	220	Applied Culinary Skills II (3)
FCST	2310	Food Science (3)

Complete three hours of upper-division (300-/400-level) culinary arts electives.

MINOR: NUTRITION

Course Requirements (24 hours)

NUTR	2110	(Formerly FCS 118) Human Nutrition (3)
FCST	2320	Culinary Nutrition (3)
FCST	318	Nutrition, Health, and Fitness (3)
FCST	356	Nutrition for Women and Children (3)
FCST	404	Community Nutrition (3)
FCST	405	Nutritional Influences on Health (3)
FCST	410	Nutrition and Aging (3)
FCST	425	Vitamins and Minerals (3)

KINESIOLOGY

Programs in Kinesiology 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 focusing on Sport Administration is offered for graduate study. See the ENMU Graduate Catalog. **Course Descriptions begin on Page 158.**

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

Kinesiology Core Curriculum (11-12 hours)

HLED	1130	Concepts of Health/Wellness (3) (Health & Wellness)
		OR
HPE	142	Fundamentals of Physical Well-Being (Sports & Rec) (2)
		OR
HPE	145	Concepts in Physical Education (P.E. K-12) (3)
FCST	318	Nutrition, Health, and Fitness (3)
		OR
HPE	380	Fundamentals of Sports Management (3) (Sports & Rec)
HPE	345	Physical Activity: Law and Ethics (3)
HPE	490	Professional Review (3) (for non-licensure)
		OR
SED	460	Student Teaching Secondary (12)

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

Note: GPA of 2.75 is required.

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

EMPHASIS: PHYSICAL EDUCATION
LICENSURE: K-12

Note: Cumulative GPA of 2.75 is required.

1. **Bachelor's Degree Requirements, see Page 43-45.** **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. **Teaching General Education Requirements (41-44 hours), see Page 62.**
   Recommended: BIOL 2210/L.
3. **Professional Education Requirements (33 hours), see Page 66.**
4. **Kinesiology (HPE) Core Curriculum (12 hours), see Page 75.** Must take HPE 145 in Kinesiology (HPE) Core.
5. **Health and Physical Education K-12 Course Requirements (27 hours)**

EXSC	2120	Structural Kinesiology (3)
HLED	2170/L	Motor Behavior I and Lab (4)
HLED/HPE		Teaching Movement: Topics (two courses, for 6 hours total) - Pick from: HPE 298H, 298R, 298S, HLED 2320, 2330, 2340
HPE	312/L	Biomechanics and Lab (4)
		OR
HPE	411/L	Motor Learning and Lab (4)
HPE	313/L	Physiology of Exercise and Lab (4)
HPE	433	Methods/Curriculum in Physical Education (3)
HPE	435	Teaching Adapted Physical Education (3)

6. **Required Courses in other areas to meet prerequisite requirements (8 hours):**

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)

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

7. **This program requires a minimum of 120 hours.**

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

EMPHASIS: HUMAN PERFORMANCE AND FITNESS

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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.** Recommended: BIOL 2210/L and PHYS 1230/L.
3. **Kinesiology (HPE) Core Curriculum (12 hours), see Page 75.** Must take HLED 1130.
4. **Human Performance and Fitness (32-33 hours)**

EXSC	2120	Structural Kinesiology (3)
HLED	2170/L	Motor Behavior I and Lab (4)
HPE	312/L	Biomechanics and Lab (4)
HPE	313/L	Physiology of Exercise and Lab (4)
HPE	411/L	Motor Learning and Lab (4)
HPE	425	Contemporary Issues (3)
EXSC	401	Fitness Assessment and Prescription and Lab (4)
EXSC	400	Essentials of Strength and Conditioning (3)
		OR
EXSC	402	Clinical Exercise Testing and Prescription and Lab (4)
HPE	489	Internship in HPE (3)

5. **Complete 15 hours of HPE theory courses, only one may be a "Coaching of" course.**
6. **Required Courses in other areas (12 hours)**

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)
PHYS	1230/L*	Algebra-Based Physics I (4)

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

7. **Electives to complete a minimum of 120 hours.**
   Note: Minor is recommended.

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

EMPHASIS: HEALTH AND WELLNESS

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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.** Recommended: BIOL 2210/L.
3. **HPE Core Curriculum (12 hours), see Page 75.** Must take HLED 1130.
4. **Health and Wellness (37 hours)**

EXSC	2120	Structural Kinesiology (3)
HLED	2170/L	Motor Behavior I and Lab (4)
HLED/HPE		Teaching Movement: Topics (two courses, for 6 hours total) - Pick from: HPE 298H, 298R, 298S, HLED 2320, 2330, 2340
HPE	302	Curriculum/Program Planning in Health (3)
HPE	312/L	Biomechanics and Lab (4)
HPE	313/L	Physiology of Exercise and Lab (4)
HPE	411/L	Motor Learning and Lab (4)
HPE	425	Contemporary Issues (3)
HPE	473	Health Education Methods/Materials (3)
HPE	489	Internship in HPE (3)

5. **Complete 15 hours of HPE theory courses, only one may be a "Coaching of" course.**
6. **Required Courses in other areas (8 hours)**

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)

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

7. **Electives to complete a minimum of 120 hours.** **Note:** Minor is recommended.

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

EMPHASIS: SPORTS AND RECREATION MANAGEMENT

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 (10 hours), see Page 75.**
4. **Sport and Recreation Management Requirements (33-36 hours)**

ECON	1110*	Survey of Economics (3)
		OR
ECON	2120*	Microeconomics Principles (3)
ENGL	2210*	Professional and Technical Communication (3)
HLED	2520	Media and Public Relations (3)
HPE	303	Sports Governance (3)
HPE	304	Sports Finance (3)
HPE	305	Human Resources (3)
HPE	310	Facilities and Event Management (3)
HPE	325	Global Sports (3)
HPE	425	Contemporary Issues (3)
HPE	459	Sport Marketing (3)
HPE	489	Internship (3-6)

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

5. **Electives to complete a minimum of 120 hours.** **Note:** Minor recommended.

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 and prepares students for National Organization Certifications. All classes taken to complete the A.A. Recreation degree will count toward the B.S. in Physical Education.

1. **Associate Degree Requirements, see Page 43.** **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.** Recommended: BIOL 2210/L.
3. **Health and Physical Education Requirements (28 hours)**

FCST	318	Nutrition, Health, and Fitness (3)
HLED	1130	Concepts of Health/Wellness (3)
		OR
HPE	145	Concepts in Physical Education (3)
HLED	2170/L	Motor Behavior I and Lab (4)
EXSC	2120	Structural Kinesiology (3)
HPE	321	Wellness: Individual and Global (3)
		OR
HPE	325	Global Sports (3)
HPE Elective		Any HPE Electives for six hours total
HLED/HPE		Teaching Movement: Topics (3) (Two courses for six hours)

4. **Required Courses in other areas to meet prerequisite requirements (4 hours)**

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)

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

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 59** for more information.

Health Education Course Requirements (21 hours)

FCST	318	Nutrition, Health, and Fitness (3)
NUTR	2110	Human Nutrition (3)
HLED	1130	Concepts of Health/Wellness (3)
HPE	302	Curriculum/Program Planning in Health (3)
HPE	321	Wellness: Individual and Global (3)
HPE	473	Health Education Methods/ Materials (3)
SOWK	321	Human Behavior in the Social Environment I (3)
		OR
SOWK	349	Perspectives in Mental Health (3)

AREA/MINOR: PHYSICAL 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 59** for more information.

Note: This endorsement area/minor is recommended for students without an HPE major.

Physical Education Course Requirements (27 hours)

HPE	145	Concepts in Physical Education (3)
EXSC	2120	Structural Kinesiology (3)
HLED	2135	Basic Care and Prevention of Athletic Injuries (3)
HLED	2170/L	Motor Behavior I and Lab (4)
HLED		Teaching Topics (3)
HPE	321/L	Biomechanics (4)
HPE	313/L	Physiology of Exercise (4)
HPE	433	Methods/Curriculum in PE (3)

Requirements in courses in other areas (8 hours)

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)

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

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 (minimum 23 hours)

HLED	2135	Basic Care and Prevention of 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	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)

* May also be used to satisfy General Education Requirements.

Some of these courses require prerequisites. Consult course descriptions for each in consultation with academic adviser.

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 (27 hours)

HLED	2110	Principles of Coaching (3)
HLED	2135	Basic Care/Prevention: Athletic Injuries (3)
HLED	2170/L	Motor Behavior I and Lab (4)
EXSC	2120	Structural Kinesiology (3)
HPE	312/L	Biomechanics and Lab (4)
HPE	313/L	Physiology of Exercise and Lab (4)

Complete two courses from the following:

HPE	331	Coaching of Football (3)
HPE	333	Coaching of Basketball (3)
HPE	338	Coaching of Soccer (3)
HPE	341	Coaching of Volleyball (3)
HPE	342	Coaching of Track and Field (3)
HPE	382	Coaching of Softball/Baseball (3)

Required courses in other areas (8 hours)

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)

* May also be used to satisfy General Education Requirements.

MINOR: HEALTH EDUCATION

Courses Recommended within Non-Teaching General Education:

CHEM	1110/L*	Chemistry in Our Community (4)
COMM	1130*	Public Speaking (3)

Health Education Course Requirements (24 hours)

HLED	1130	Concepts in Health/Wellness (3)
HLED	2135	Basic Care and Prevention of Athletic Injuries (3)
HPE	302	Curriculum/Program Planning in Health (3)
HPE	321	Wellness: Individual and Global (3)
HPE	473	Health Education Methods/ Materials (3)
NUTR	2110	Human Nutrition (3)
FCST	318	Nutrition, Health, and Fitness (3)
SOWK	321	Human Behavior in the Social Environment I (3)
		OR
SOWK	349	Perspectives in Mental Health (3)

* May also be used to satisfy General Education Requirements.

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 (21 hours)

HLED	2520	Media and Public Relations in Sports (3)
HPE	310	Facilities and Event Management (3)
HPE	345	Physical Activity: Law and Ethics (3)
HPE	380	Fundamentals of Sport Management (3)
HPE	459	Sports Marketing (3)

Required two courses from the following:

HPE	303	Sport Governance (3)
HPE	304	Sport Finance (3)
HPE	305	Human Resources in Sport Management (3)
HPE	325	Global Sports (3)
HPE	340	Recreation and Intramural Programming (3)
HPE	425	Contemporary Issues: Topics (3)

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 minimum technical 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 in a technical field. 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 a career-technical field.

To complete the B.C.T.E., a minimum of 30 credit hours in the career and technical education major, any additional general education coursework to meet institutional and statutory requirements, 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. Once complete, a minimum of 120 hours, including technical hours applied to the program, will be completed to meet B.C.T.E. requirements.

Course Descriptions begin on Page 158.

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

MAJOR: CAREER AND TECHNICAL EDUCATION

Note: This program requires a 2.75 GPA in the major.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. The B.C.T.E. degree requires a minimum of 18 hours of upper-division courses. Developmental courses will not be counted toward graduation requirements.
2. **General Education Requirements (31-33 hours), see Page 47.** Many or all of these courses may have been completed as part of the transferred 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)**

BLED	350	Cultural and Linguistic Pluralism (3)
CTED	301	CTE Foundation (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)

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

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

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 meet one of the following requirements prior to admission to the B.A.A.S. degree program:

- 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 technical or vocational credit hours from an institution whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA). The acceptance of credit from other technical or vocational programs will be based on an evaluation of each student's credentials.
- A minimum of 30 credit hours in a technical or vocational discipline earned at an institution whose accreditation is from an accrediting body recognized by the Council for Higher Education Accreditation (CHEA).
- An American Council on Education (ACE) transcript recommending a minimum of 30 technical or vocational credit hours in a technical or vocational discipline based on an ACE review of military training completed and military service.
- An American Council on Education (ACE) transcript recommending a minimum of 30 credit hours in a technical or vocational discipline based on an ACE review of a program of study completed or of a technical or vocational certification.

The purpose of the degree is to provide individuals the opportunity to complete a flexible course of study leading to a well-rounded education and a bachelor's degree that will enhance career advancement or broaden career opportunities. By transferring credit hours from an associate degree, a Certificate of Occupational Education, or equivalent credit hours, students will receive the maximum benefit for prior coursework, up to 90 credit hours. General Education hours are used where they apply. 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) taken at ENMU. If necessary, students will need to complete any remaining General Education requirements that were not taken before enrollment at ENMU and must satisfy other ENMU requirements not met through transfer and institutional work. Curriculum and delivery methods for most emphasis areas are designed for the distance learners, offering students the opportunity to work while completing this degree.

DEGREE: BACHELOR OF APPLIED ARTS AND SCIENCES (B.A.A.S.)
MAJOR: APPLIED ARTS AND SCIENCES

1. **Bachelor's Degree Requirements, see Page 43-45.** **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, although a secondary concentration area may require significantly more. 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.
5. **Electives to complete a minimum of 120 hours.** **Note:** This degree does not require a minor.

The secondary concentration is intended to complement the student's vocational or technical background and broaden career opportunities. The secondary concentration/emphasis areas below are only available to students who are pursuing the B.A.A.S. degree.

Students can select from the following areas of study, although they may petition to develop an alternate field of study that will further complement their vocational or technical background on a limited basis. Information on ENMU's B.A.A.S. degree is available at **enmu.edu/BAAS.**

CONCENTRATION:

ANIMAL SCIENCE

This emphasis cannot be completed through online instruction.

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 Courses (24 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)

CONCENTRATION:

BUSINESS

This concentration can be completed through online instruction.

Course Requirements (37 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	2110	Principles of Marketing (3)

Complete any one of the following:

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

Complete any five upper-division (300-/400-level) College of Business elective three-hour courses (15 hours). BUS 310 Global Business cannot be counted toward fulfilling this concentration.

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

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

CONCENTRATION:

CAREER AND TECHNICAL EDUCATION

This concentration can be completed through online instruction.

Note: This concentration does not meet requirements for New Mexico Secondary 7-12 vocational licensure. Students who can complete CTED 481, Supervised Classroom Internship, should pursue the Bachelor of Career and Technical Education (B.C.T.E) degree, discussed in the previous section of this catalog.

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. It also benefits students desiring career preparation in various commercial and industry settings.

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 requirement.

CONCENTRATION:

COMMUNICATION

This concentration can be completed through online instruction.

Course Requirements (30 hours)

COMM	300	Introduction to Communication Theory (3)
COMM	303	Public Relations Techniques (3)
COMM	304	Multimedia Storytelling (3)
COMM	312	Copy Editing (3)
		OR
COMM	311	Editing (3)
COMM	314	Strategic Uses of Social Media (3)
		OR
COMM	315	Digital Media Analytics (3)
COMM	402	Feature Writing (3)
COMM	410	Writing for Media Capstone (3)
COMM	412	Photojournalism (3)
COMM	415	Media Law & Ethics (3)
COMM	420	Documentary Writing and Production (3)
		OR
COMM	422	Directing for Television (3)

CONCENTRATION:

CRIMINAL JUSTICE/SOCIOLOGY

This concentration can be completed through online instruction.

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 (30 hours)

CJUS	1110	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:

CJUS	2150	Corrections (3)
CJUS	431	Police and society (3)
CJUS	457	Probation and Parole (3)

Complete any SOCI 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.

CONCENTRATION:

CULINARY ARTS

This concentration can be completed through online instruction.

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 (21 hours)

CA	300	History of Cooking (3)
CA	496	Culinary Arts Internship (3)
HRTM	320	Hospitality Facilities 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, FCST, or another related area (3 hours).

CONCENTRATION:

ELECTRONICS ENGINEERING TECHNOLOGY

This concentration can be completed through online instruction.

Students who complete the B.A.A.S. degree with an emphasis in electronics engineering technology will gain advanced knowledge in one or more of the following areas: digital design, digital electronics, computer architecture, electronics, communications, control, renewable energy, and circuits. After completing the required core courses, students have the option of focusing on one or more of the elective specialty areas. Depending on the core upper-level EET courses completed, graduates may pursue careers in: designing, testing and maintaining digital electronic circuits and systems, PLD programming and operations, applications of computer and microprocessor in system design development, testing and maintenance of electrical and electronic circuits, renewable energy technology industry, industries requiring PLC operation and programming, or supervising and maintaining electronic equipment such as communication systems.

1. Required Core Courses (33 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:

EET	302/L	Industrial Electronics (3)
EET	310/L	Linear Systems Analysis (3)
EET	337/L	Semiconductor Devices II (3)

EET	340/L	Introduction to Computer Organization and Architecture (3)
EET	343/L	Advanced Digital Design (3)
EET	357/L	Electronic Communications I (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	450/L	Control Systems (3)
EET	457/L	Electronic Communications II (3)
EET	472/L	Introduction to Embedded Systems (3)
EET	490	Capstone

2. Additional Required Courses (4-14 hours)

EET	122	Fundamentals of Programming with C/C++ (3) (Prerequisite for EET 340)
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.

CONCENTRATION:

ELECTRONICS ENGINEERING TECHNOLOGY (ANALOG)

This concentration can be completed through online instruction.

Students who complete the B.A.A.S. degree with an emphasis in analog electronics will gain advanced knowledge in one or more of the following areas: electronics, communications, control, renewable energy, and circuits. Depending on the core upper level EET courses completed, graduates may pursue careers in development, testing, and maintenance of electrical and electronic circuits, renewable energy technology industry, industries requiring PLC operation and programming, or supervising and maintaining electronic equipment such as communication systems.

1. Required Core Courses (33 hours)

EET	110/L	Circuit Analysis I (3)
EET	131	Introduction to Engineering w ith MATLAB (3)
EET	210/L	Circuit Analysis II (3)
EET	237/L	Semiconductor Devices I (3)
EET	337/L	Semiconductor Devices II (3)
EET	437/L	Semiconductor Devices III (3)

Select five courses from the following:

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 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)
EET	450/L	Control Systems (3)
EET	457/L	Electronic Communications II (3)
EET	472/L	Introduction to Embedded Systems (3)
EET	490	Capstone

2. Additional Required Courses (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.

CONCENTRATION:

ELECTRONICS ENGINEERING TECHNOLOGY (COMPUTER ENGINEERING)

This concentration can be completed through online instruction.

Students who complete the B.A.A.S. degree with an emphasis in computer engineering technology will gain an in-depth knowledge of hardware and software design that includes the following areas: digital design, digital electronics, computer architecture, computer programming, programming paradigms, and electronics. Students may also focus on communications, control, renewable energy and circuits as an elective are of specialization. The purpose of the B.A.A.S. with emphasis in computer engineering technology program is to train engineers to design, develop and implement modern computer-based applications. Depending on the core upper-level EET courses completed, graduates may pursue careers in: software design and hardware development for computer systems, embedded microprocessor or systems, designing, testing and maintaining digital electronic circuits and systems, VHDL programming and applications, application of computer and microprocessor in system design development, testing and maintenance of electrical and electronic circuits, renewable energy, technology industry, industries requiring PLC operation and programming, or supervising and maintaining electronic equipment such as communication systems.

1. Required Core Courses (40 hours)

CSCI	1210	Computer Programming Fundamentals (4)
EET	122	Fundamentals of Programming with C/C++ (3)
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 Application (3)
EET	340/L	Introduction to Computer Organization and Architecture (3)
EET	343/L	Advanced Digital Design (3)
EET	472/L	Introduction to Embedded System (3)

Select two courses from the following:

CSCI	301	Programming Language Concepts (3)
CSCI	357	Data Structure (3)
CSCI	472	Software Engineering (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 Communication I (3)
EET	402/L	Renewable Energy Technology I (3)
EET	412/L	Electrical Power and Machinery (3)
EET	437/L	Semiconductor Devices III (3)
EET	457/L	Electronic Communication II (3)
EET	490	Capstone (3)

2. Additional Required Courses (4-18 hours)

CSCI	2210	Object-oriented Programming (4) (Prerequisite for CSCI472)
MATH	1220*	College Algebra (4)
MATH	1230*	Trigonometry (3)
MATH	1350*	Introduction to Statistics (4)
MATH	1510*	Calculus I (4) (Prerequisite for EET 310)

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

CONCENTRATION:

ELECTRONICS ENGINEERING TECHNOLOGY (DIGITAL)

This concentration can be completed through online instruction.

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.

1. Required Courses (34-36 hours)

EET	110/L	Circuit Analysis I (3)
EET	122	Fundamentals of Programming with C/C++ (3)
EET	131	Introduction to Engineering with MATLAB (3)
EET	210/L	Circuit Analyses II (3)
EET	237/L	Semiconductor Devices I (3)
EET	241/L	Logic Circuits (3)
EET	242/L	Sequential Circuits and Applications (3)
EET	340/L	Introduction to Computer Organization and Architecture (3)
EET	343/L	Advanced Digital Design (3)
EET	421	Special Problems (3)
		OR
EET	491	Directed Study (1-3)
EET	472/L	Introduction to Embedded System (3)
EET	490	Capstone (3)

2. Additional Required Courses (7 hours)

MATH	1220*	College Algebra (4)
MATH	1230*	Trigonometry (3)

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

CONCENTRATION:

ELECTRONICS ENGINEERING TECHNOLOGY (RENEWABLE ENERGY)

This concentration can be completed through online instruction.

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.

1. Required Core Courses (31-33 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 echnology III (3)
EET	412/L	Electrical Power and Machinery (3)

Select two courses from the following:

EET	302/L	Industrial Electronics (3)
EET	310/L	Linear Systems Analysis (3)
EET	337/L	Semiconductor Devices II (3)
EET	421	Special Problems (1-3)
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)
EET	491	Directed Study (Renewable Energy Topics) (1-3)

2. 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.

CONCENTRATION:

EMERGENCY MANAGEMENT

This concentration can be completed through online instruction.

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 124** for additional information.

Secondary Concentration (30 hours)

EMGT	301	Leadership and Ethics (3)
EMGT	302	Introduction to Emergency Management (3)
EMGT	303	Emergency Services Administration and Management (3)
EMGT	310	Disaster Response (3)
EMGT	400	Emergency Preparedness (3)
EMGT	402	Legal, Political and Regulatory Issues (3)
EMGT	403	Community Risk Reduction for Fire and Emergency Services (3)
EMGT	405	Public Health Emergencies (3)
EMGT	410	Hazard Mitigation (3)
EMGT	475	Capstone in Emergency Management (3)

CONCENTRATION:

EMERGENCY MEDICAL SERVICES MANAGEMENT

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	305	Applied Research (3)
EMGT	330	EMS Operations (3)
EMGT	331	EMS Safety and Risk Management (3)
EMGT	402	Legal, Political and Regulatory Issues (3)
EMGT	403	Community Risk Reduction for Fire & Emergency Services (3)
EMGT	405	Public Health Emergencies (3)
EMGT	475	Capstone in Emergency Management (3)

And one of the following:

EMGT	301	Leadership and Ethics (3)
		OR
EMGT	401	Homeland Security (3)

Electives to complete a minimum of 120 hours.

CONCENTRATION:

FIRE AND EMERGENCY SERVICES ADMINISTRATION

This concentration can be completed through online instruction.

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 124** for additional information.

Required Courses (30 hours)

EMGT	302	Introduction to Emergency Management (3)
EMGT	303	Emergency Services Administration and Management (3)
EMGT	304	Personnel Management (3)
EMGT	305	Applications of Fire Research (3)
EMGT	306	Fire Prevention Organization and Management (3)
EMGT	330	EMS Operations (3)
EMGT	402	Legal, Political and Regulatory Issues (3)
EMGT	403	Community Risk Reduction for Fire and Emergency Services (3)
EMGT	475	Capstone in Emergency Management (3)

And one of the following:

EMGT	301	Leadership and Ethics (3)
EMGT	401	Homeland Security (3)
EMGT	405	Public Health Emergencies (3)
EMGT	493	Topics in Emergency Management (3)

CONCENTRATION:

HOSPITALITY MANAGEMENT (BUSINESS)

This concentration can be completed through online instruction.

Course Requirements (28 hours)

CA	102	ServSafe® (1)
HRTM	300	Convention and Event Management (3)
HRTM	305	Hotel and Club Management (3)
HRTM	320	Hospitality Facility Management (3)
HRTM	410	Food Operations Management (3)
HRTM	420	Bar and Beverage Management (3)
HRTM	450	Tourism Development (3)
MGMT	2110	Principles of Management (3)
MKTG	2110	Principles of Marketing (3)
MKTG	325	Services Marketing (3)

CONCENTRATION:

HUMAN AND SOCIAL SCIENCES

This concentration can be completed through online instruction.

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

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.

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

Required Courses (33-35 hours)

PSYC	1110*	Introduction to Psychology (3)
SOCI	1110*	Introduction to Sociology (3)

Select one course from the following:

PSYC	2120	Developmental Psychology (3)
PSYC	2130*	Adolescent Psychology (3)
PSYC	2140*	Child Psychology (4)

Select two courses from the following:

NURS	312**	Global Health Care (3)
PSYC	402	Abnormal Psychology (3)
SOCI	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)
SOCI	311	Collective Behavior (3)
PSYC/SOCI	324	Social Psychology (3)
SOWK	321	Human Behavior in the Social Environment (3)

Select two courses from the following:

PSYC	467	Physiological Psychology (4)
SOCI	417	Sociology of Medicine (3)
SOCI	420	Drugs and Society (3)
SOWK	349	Perspectives in Mental Health (3)

Select two courses from the following:

CDIS	320**	Issues in Disability (3)
PSYC	435	Cognition (3)
SOCI	320	Social and Cultural Change (3)
SOCI	415	Sociology of the Family (3)
SOWK	345	Working with Aging Populations (3)

* May also be used to satisfy a General Education requirement.
** May also be used to satisfy the Upper-Division Diversity/Global Requirement.

CONCENTRATION:

INFORMATION SYSTEMS (BUSINESS)

This concentration can be completed through online instruction.

Course Requirements (24 hours)

BLAW	2110	Business Law I (3)
BCIS	1110	Introduction to Information Systems (3)
BCIS	2217	MS Excel® (3)
BCIS	301	Information Systems for Managers (3) (Prerequisite for BCIS 315, 316)
BCIS	315	Electronic Business Strategy, Architecture and Design (3)
BCIS	316	Cybersecurity (3)
BCIS	460	Project Management (3)

Complete one upper-division (300-/400-level) College of Business course (3 hours). BUS 310 Global Business cannot be counted toward fulfilling this concentration.

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

CONCENTRATION:

INFORMATION SYSTEMS (CYBERSECURITY)

This concentration can be completed through online instruction.

Course Requirements (27 hours)

BUS	310	Global Business (3)
		OR
CJUS	310	Comparative Criminal Justice (3)
CJUS	401	Terrorism and Counterterrorism (3)
		OR
CJUS	402	White Collar Crime (3)
BCIS	301	Information Systems for Managers (3)
BCIS	316	Cybersecurity (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)
MGMT	313	Organizational Behavior (3)

Students may need to complete at least one additional course to meet residency and/or graduation requirements.

CONCENTRATION:

INFORMATION SYSTEMS AND PROGRAMMING DESIGN

This concentration can be completed through online instruction.

Students who complete the B.A.A.S. degree with an emphasis in information systems and programming design will gain advanced knowledge in computer programming and the application of information systems for business. Graduates may pursue careers as a computer programmer, web developer, computer support specialist, computer network manager or computer systems analyst. Students pursuing this concentration must have completed an associate degree in computer science, computer information systems, or a related field.

1. Required Core Courses (25 hours)

BCIS	301	Information Systems for Managers (3)
BCIS	315	Electronic Business Strategy, Architecture and Design (3)
BCIS	316	Information Systems Security and Ethics (3)
CSCI	2310	Discrete Mathematics for CS (3)
CSCI	2210	Object-oriented Programming (4)
CSCI	357	Data Structures (3)

Select two courses from the following:

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)
CSCI	451	Design and Analysis of Algorithms (3)

2. Additional Required Courses (8 hours)
These may have been completed as part of the associate degree.

CSCI	1210	Computer Programming Fundamentals (4)
MATH	1220*	College Algebra (4) (Prerequisite for CSCI 2310)

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

CONCENTRATION:

LIBERAL ARTS

This concentration can be completed through online instruction.

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.

Required Courses (39 hours)

HIST	1110*	United States History I (3)
HIST	1120*	Unites 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	1110*	Introduction to World Religions (3)
RELG	1123*	Hebrew Bible (3)
RELG	1126*	New Testament (3)

Select one course from the following:

PSYC	324	Social Psychology (3)
SOCI	320	Social and Cultural Change (3)

Complete any five upper-division (300-/400-level) courses in one area from HIST, RELG, POLS, PSYC or SOCI.

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

CONCENTRATION:

PERSONAL FINANCIAL PLANNING

This concentration can be completed through online instruction.

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

Course Requirements (21 hours)

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

* 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 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.

CONCENTRATION:

PRE-PROFESSIONAL EDUCATION

This concentration can be completed through online instruction.

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

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.

Required Courses (27 hours)

Development of Individuals – select one course from the following:

PSYC	2140*	Child Psychology (3)
PSYC	2130*	Adolescent Psychology (3)
PSYC	300**	Psychology of Adult Development (3)

Foundations

CTED	301	CTE Foundations (3)
EDF	301	Foundations of Education and Learning (3)

Overview of Education

SPED	300	Introduction to Special Education (3)
BLED	350	Cultural and Linguistic Pluralism (3)
EDF	110	Communication for Educators (3)
		OR
EDF	210	Human Growth and Development (3)

Educational Strategies

EDF	309	Technology for the Classroom (3)
RED	496	Elementary Educ Content Area Literacy and Strategies (3)
PSYC	1110*	Introduction to Psychology (3)

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

** Additional Course – only required if PSY 300 is selected as an upper-division course.

CONCENTRATION:

RELIGION

This concentration can be completed through online instruction.

The Religion 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.

Required Core Courses (24 hours):

RELG	1123*	Hebrew Bible (3)
RELG	1126*	New Testament (3)
RELG	1510	Life of Christ (3)
RELG	330	History of Christianity (3)
RELG	402	World's Living Religions (3)

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

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

CONCENTRATION:

SCIENCE

This concentration is not available entirely through online instruction.

The science concentration is designed for students who will benefit from advanced studies in one or more of the available science disciplines.

Required Courses (36 hours)

Complete four courses with labs from the following (20 hours):

BIOL	2110/L*	Principles of Biology: Cellular and Molecular (4)
BIOL	2610/L	Principles of Biology: Biodiversity, Ecology and Evolution (4)
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)

Complete 16 credit hours (four upper-division courses with labs) at the 300-/400-level from the following science disciplines: BIOL, CHEM or GEOL.

Notes: Some courses may require prerequisites. Check catalog or discuss with adviser. Students electing to pursue biology upper-division courses should plan to take BIOL 304/L and 306/L, as these are prerequisites for many upper-division biology courses.

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

College of Fine Arts

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

The college focuses on the development of the individual student so each might find meaning and fulfillment as an artist, as an educated member of society, and as an expressive human being. Numerous concerts, recitals, stage productions, and art exhibitions are presented throughout the year. A variety of classes, music ensembles, and drama productions are available to the University and community, both during the daytime and evening hours.

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

In addition to the Bachelor of Science (B.S.) and Bachelor of Arts (B.A.), the College of Fine Arts awards the Bachelor of Fine Arts (B.F.A.), the Bachelor of Music (B.M.), and the Bachelor of Music Education (B.M.E.). The B.M.E. qualifies students to teach in either choral or instrumental music, grades K-12.

Mission Statement

The College of Fine Arts is dedicated to the pursuit of excellence in education by continuing the traditions of our profession which include the arts of all peoples. 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.

Vision Statement

- We envision the College of Fine Arts as a place where faculty and students will engage in collaboration and interaction both within and among departments.
- We affirm continued commitment to the realization of student potential as the central focus of our teaching and productivity as we equip the next generation of professionals. We envision our graduates possessing the intellectual, creative, professional, and technical skills to meet the challenges and opportunities of their careers in their respective disciplines.
- We embrace developments in new technology in order to enhance instruction.
- We envision our undergraduate programs continuing as the primary focus of our instruction and expect to increase our influence as a regional leader as we provide quality esthetic and practical experiences that contribute to a deeper appreciation of the human experience.
- We are committed to ongoing pursuit of an advocacy for the resources required to realize this vision.

College of Fine Arts **Programs and Degrees Offered**	Degree	Major	Emphasis	Endorsement Area/ Minor for Licensure	B.A.A.S. Concentration	Minor
Department of Art						
Art	A.A., B.F.A.	•				
Graphic Design			•			•
Visual Arts			•	•		•
2D Animation			•			•
Art History						•
Department of Communication						
Communication	B.A., B.S., B.A.A.S.	•			•	
Broadcast Journalism			•			
Broadcast Production			•			
Journalism			•			•
Public Relations			•			•
Sports Media			•			
Communication Studies						•
Health Communications						•
Public Relations Management						•
Social Media Marketing						•
Department of Theatre and Digital Filmmaking						
Digital Filmmaking	B.S.	•				•
Dramatic Writing	B.S.	•				
Theatre	B.A., B.S.	•				•
Musical Theatre						•
Department of Music						
Fine Arts						•
Music	B.M., B.S.	•				•
Instrumental Performance			•			
Piano Performance			•			
Vocal Performance			•			
Music Composition						•
Music Education	B.M.E.	•				
Choral				•		
Instrumental				•		
Music Technology						•
Performing Arts/Music				•		
Piano						•

DEPARTMENT OF ART

Professor	Richard Schwartz
Associate Professor	Maryam Farhadi
	Anne Underwood
Assistant Professor	Julian Francolino
	Britta Urness

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, housed in the Golden Student Success Center, the department offers opportunities for members of the University community to broaden their sense of cultural diversity through exposure to year-round, changing art exhibitions in the Runnels Gallery.

Major programs in art leading to a B.F.A. degree include:

1. Emphasis in visual arts, which stresses knowledge of both two-dimensional and three-dimensional materials in pursuit of personal expression.
2. Emphasis in graphic design, which stresses the development of professional skills, creative thinking, and conceptual problem solving.
3. Emphasis in 2D animation, which stresses the development of professional skills, creative thinking, and collaboration.

All three programs are based on the belief that the fine artist, designer, and animator must cross disciplines to understand many techniques and concepts to be successful in today's competitive art, design, and animation world. Each emphasis area provides specific and rigorous training beyond the foundational art studies of the core and therefore, art majors are not required to pursue a minor course of studies. However, students majoring in art must select one of the following emphases: visual arts, graphic design, or 2D animation.

Foundation Program

The foundation program provides an interdisciplinary approach to the arts. This interdisciplinary approach exposes each student to a wide variety of techniques, methods, and concepts common to the creative disciplines. It is designed to develop visual literacy as well as to encourage growth in artistic perception.

Through this introduction to a variety of ideas and techniques, using materials in two-dimensional and three-dimensional design and drawing, students appreciate the complexity of the creative process and learn to articulate their personal esthetic. They investigate the differences between wet and dry media, additive and subtractive processes, two- and three-dimensional forms, and the relationship between ideas and materials. Formal concerns such as line, shape, color, value, texture, scale, and composition are explored.

Visual Arts Program

The visual arts program encourages the student to continue working in all two- and three-dimensional media in pursuit of personal expression. Students will explore interdisciplinary approaches to their 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, 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.

2D Animation Program

The 2D animation program fosters a student's growth through industry standard courses coupled by the latest animation technologies and techniques. Students will explore interdisciplinary and collaborative approaches to their art by incorporating various media available within the college.

The 2D animation program requires the study of drawing, animation histories, two- and three-dimensional structure, design, audio production, acting, 2D animation, and more. Intensive studies in these areas provide the student with experience and expertise to succeed as a professional animator or further their studies.

Access to Facilities

All students majoring in art have access to the following art facilities: drawing studio, design studio, framing studio, painting studio, printmaking 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 access facilities during designated open studio/laboratory hours. Majors are granted 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 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, graphic design, or 2D animation.

Course Descriptions begin on Page 158.

Art Core Requirements (27 hours)

ARTH	2110*	History of Art I (3)
ARTH	2120*	History of Art II (3)
ARTH	364	History of Art III (3)
ARTH	305**	Global Art Histories (3)
		OR
ARTH	493	Topics in Art History (3)
ARTS	1240*	Design I (3)
ARTS	1250	Design II (3)
ARTS	1520	Digital Media I (3)
ARTS	1610*	Drawing I (3)
ARTS	2610	Drawing II (3)

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

** May also be used to satisfy a Diversity/Global requirement.

DEGREE: BACHELOR OF FINE ARTS (B.F.A.)

MAJOR: ART

EMPHASIS: VISUAL ARTS

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (27 hours), see Page 93.**
4. **Visual Art Requirements (42 hours)**

ARTS	1310*	Introduction to Ceramics (3)
ARTS	1410*	Introduction to Photography (3)
ARTS	1630	Painting I (3)
ARTS	1810*	Jewelry and Small Metal Construction (3)
ARTS	1840	Sculpture I (3)
ARTS	324	Figure Drawing I (3)
ARTS	482	Senior Portfolio Design (3)

Choose two courses from the following:

ARTS	2630	Painting II (3)
ARTS	306	Watercolor Illustration (3)
ARTS	325	Figure Drawing II (3)
ARTS	328	Digital Editing (3)
ARTS	414	Studio Photography (3)
ARTS	406	Digital Illustration (3)
ARTS	407	Sequential Illustration (3)
ARTS	489	Internship in Art (3)
ARTS	493	Topics in Art (3)

Choose one course from the following:

ARTS	312	Drawing Projects (3)
ARTS	314	Photography Projects (3)
ARTS	417	Painting Projects (3)

Choose one course from the following:

ARTS	316	Ceramics Projects (3)
ARTS	318	Jewelry Projects (3)
ARTS	423	Sculpture Projects (3)

Complete nine credit hours of additional ARTS electives (not including Art Core courses).

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

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 43-45.** **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 (27 hours), see Page 93.**
4. **Graphic Design Art Requirements (39 hours)**

ART	220	Typography (3)
ARTS	1410*	Introduction to Photography (3)
ARTS	2120	Graphic Design I (3)
ARTS	2125	Graphic Design II (3)
ARTS	307	Typography II (3)
ARTS	326	Web Design I (3)
ARTS	327	Web Design II (3)
ARTS	328	Digital Editing (3)
ARTS	329	Motion Graphics I (3)
ARTS	330	Motion Graphics II (3)
ARTS	340	Digital Publication Design (3)
ARTS	419	Graphic Design Projects (3)
ARTS	482	Senor Portfolio Design (3)

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

5. **ARTS electives to complete a minimum of 120 hours. This major does not require a minor.**

DEGREE: BACHELOR OF FINE ARTS (B.F.A.)
MAJOR: ART

EMPHASIS: 2D ANIMATION

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 (27 hours), see Page 93.**
4. **2D Animation Art Requirements (51 hours)**

ARTS	1410*	Introduction to Photography (3)
ARTS	1630	Painting I (3)
ARTS	312	Drawing Projects (3)
ARTS	324	Figure Drawing I (3)
ARTS	325	Figure Drawing II (3)
ARTS	329	Motion Graphics (3)
ARTS	482	Senior Portfolio Design (3)
FDMA	1140	Dramatic Analysis (3)
FDMA	1410	Audio Production (3)
FDMA	1620	Location Shooting (3)
FDMA	2311	History of Animation (3)
FDMA	2710	Beginning 2D Animation (3)
FDMA	340	Writing the Screenplay (3)
FDMA	419	2D Animation Projects (9) (Three semesters, three hours each)
THEA	1210*	Acting for Non-Majors (3)

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

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 43.** **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 (27 hours)**

ARTH	2110*	History of Art I (3)
ARTH	2120*	History of Art II (3)
ARTH	364	History of Art III (3)
ARTH	305	Global Art Histories (3)
		OR
ARTH	493	Topics in Art History (3)
ARTS	1240*	Design I (3)
ARTS	1250	Design II (3)
ARTS	1520	Digital Media (3)
ARTS	1610*	Drawing I (3)
ARTS	2610	Drawing II (3)

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

4. **This program requires a minimum of 65 hours.**

SUBJECT MATTER ENDORSEMENT (33 HOURS)

AREA/MINOR: VISUAL ARTS

LICENSURE: ELEMENTARY (K-8) ONLY

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

1. Art Core Requirements (27 hours)

ARTH	2110*	History of Art I (3)
ARTH	2120*	History of Art II (3)
ARTH	364	History of Art III (3)
ARTH	305**	Global Art Histories (3)
		OR
ARTH	493	Topics in Art History (3)
ARTS	1240*	Design I (3)
ARTS	1250	Design II (3)
ARTS	1520	Digital Media I (3)
ARTS	1610*	Drawing I (3)
ARTS	2610	Drawing II (3)

* May also be used to satisfy a General Education requirement.
** May also be used to satisfy a Diversity/Global requirement.

2. Select two courses from the following (6 hours):

ARTS	1310*	Introduction to Ceramics (3)
ARTS	1410*	Introduction to Photography (3)
ARTS	1630	Painting I (3)
ARTS	1810*	Jewelry and Small Metal Construction I (3)

* May also be used to satisfy a Teaching General Education Requirement.
** May also be used to satisfy a Diversity/Global Upper-Division Requirement.

MINOR: VISUAL ARTS

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

Art Course Requirements (18 hours)

ARTS	1240*	Design I (3)
ARTS	1250	Design II (3)
ARTS	1610*	Drawing I (3)
ARTS	2610	Drawing II (3)

Select two courses from the following:

ARTS	1310*	Introduction to Ceramics (3)
ARTS	1410*	Introduction to Photography (3)
ARTS	1630	Painting I (3)
ARTS	1810*	Jewelry and Small Metal Construction I (3)

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

MINOR: GRAPHIC DESIGN

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

Art Course Requirements (18 hours)

ARTS	220	Typography I (3)
ARTS	1240*	Design I (3)
ARTS	1250	Design II (3)
ARTS	1520	Digital Media I (3)
ARTS	2120	Graphic Design I (3)
ARTS	2125	Graphic Design II (3)

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

MINOR: ART HISTORY

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

Art Course Requirements (18 hours)

ARTH	2110*	Art History I (3)
ARTH	2120*	Art History II (3)
ARTH	364	Art History III (3)
ARTH	305**	Global Art Histories (3)
ARTH	493	Topics in Art History (3)

Choose one of the following:

ARTS	1310*	Introduction to Ceramics (3)
ARTS	1410*	Introduction to Photography (3)
ARTS	1610*	Drawing I (3)
ARTS	1810*	Jewelry and Small Metal Construction (3)
ARTS	1520	Digital Media I (3)

* May also be used to satisfy a General Education Requirement.
** May also be used to satisfy a Diversity/Global Upper-Division Requirement.

MINOR: 2D ANIMATION

Note: Students earning a major in art may not minor in 2D animation.

Art Course Requirements (18 hours)

FDMA	2311	History of Animation (3)
FDMA	2710	Beginning 2D Animation (3)
FDMA	419	Animation Projects (6) (Two semesters, three hours each)

Choose one of the following:

ARTS	1410*	Introduction to Photography (3)
ARTS	1520	Digital Media I (3)
ARTS	1610*	Drawing I (3)

Choose one of the following:

ARTS	328	Digital Editing (3)
ARTS	329	Motion Graphics I (3)
COMM	206	Graphics for Television/Video (3)
FDMA	1620	Location Shooting (3)
FDMA	340	Writing the Screenplay (3)

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

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

DEPARTMENT OF COMMUNICATION

Professor	Jeff Gentry
Associate Professor	Darrell Roe
Assistant Professor	Qian Yu
	Di Cui
Instructors	Lonnie Berry
	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 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. Students have three options for degree completion: entirely on-campus, online (through web-based or lecture-capture based courses, or through a combination of both. This program can be 100% online depending on the emphasis area chosen.

Course Descriptions begin on Page 158.

Communication Core Requirements (24 hours)

COMM	1120	Beginning Television Production (3)
COMM	1140	Introduction to Media Writing (3)
COMM	1150	Introduction to Mass Communication (3)
COMM	300	Introduction to Communication Theory (3)
COMM	313	Introduction to Research Design (3)
COMM	410	Writing for Media Capstone (3)
COMM	415	Media Law and Ethics (3)
COMM	498	Senior Seminar (3)

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

MAJOR: COMMUNICATION

EMPHASIS: BROADCAST JOURNALISM

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical will not be counted toward graduation requirements.
2. **General Education Requirements (31-33 hours), see Page 47.**
3. **Communication Core Requirements (24 hours), see Page 96.**
4. **Broadcast Journalism Emphasis Requirements (29 hours).**

COMM	2220	Intermediate Television Production (3)
COMM	302	TV Field Reporting (3)
COMM	304	Multimedia Storytelling (3)
COMM	327	Broadcast Journalism (3)
COMM	344A	Broadcast Practicum (2)
COMM	344B	Broadcast Practicum (2)
COMM	344C	Broadcast Practicum (2)
COMM	344D	Broadcast Practicum (2)
COMM	412	Photojournalism (3)

Also complete six hours of additional upper-division (300-/400-level) COMM credits (not included in the 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 43-45.**
   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 43.** The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical will not be counted toward graduation requirements.
2. **General Education Requirements (31-33 hours), see Page 47.**
3. **Communication Core Requirements (24 hours), see Page 96.**
4. **Broadcast Production Emphasis Requirements (29 hours)**

COMM	206	Graphics for Television/Video (3)
COMM	2210	Audio Production (3)
COMM	2220	Intermediate Television Production (3)
COMM	311	Editing (3)
COMM	344A	Broadcast Practicum (2)
COMM	344B	Broadcast Practicum (2)
COMM	344C	Broadcast Practicum (2)
COMM	344D	Broadcast Practicum (2)
COMM	420	Documentary Writing and Production (3)
		OR
COMM	422	Directing for Television (3)

Also complete six 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: JOURNALISM

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 43.** The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical will not be counted toward graduation requirements.
2. **General Education Requirements (31-33 hours), see Page 47.**
3. **Communication Core Requirements (24 hours), see Page 96.**
4. **Journalism Emphasis Requirements (29 hours).**

COMM	2230	Digital Photography (3)
COMM	304	Multimedia 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)

Also complete five 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.**

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

EMPHASIS: PUBLIC RELATIONS

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 43.** 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. **Communication Core Requirements (24 hours), see Page 96.**
4. **Public Relations Emphasis Requirements (29 hours).**

COMM	2182	Introduction to Public Relations (3)
COMM	2230	Digital Photography (3)
COMM	303	Public Relations Techniques (3)
COMM	314	Strategic Used of Social Media (3)
COMM	315	Digital Media Analytics (3)
COMM	360A	Journalism/PR Practicum (2)
COMM	360B	Journalism/PR Practicum (2)
COMM	360C	Journalism/PR Practicum (2)
COMM	460	Public Relations Cases and Campaigns (3)

Complete five 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: SPORTS MEDIA

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical will not be counted toward graduation requirements.
2. **General Education Requirements (31-33 hours), see Page 47.**
3. **Communication Core Requirements (24 hours), see Page 96.**
4. **Sports Media Emphasis Requirements (38 hours).**

COMM	206	Graphics for Television and Video (3)
COMM	255	Sports Writing (3)
COMM	256	Sports Commentary (3)
COMM	314	Strategic Uses of Social Media (3)
COMM	327	Broadcast Journalism (3)
COMM	340	Sports Communication (3)
COMM	344A	Broadcast Practicum (2)
COMM	344B	Broadcast Practicum (2)
COMM	344C	Broadcast Practicum (2)
COMM	344D	Broadcast Practicum (2)
COMM	450	Integrated Communication Campaign (3)
COMM	460	Public Relations Cases and Campaigns (3)

Complete six hours from the following courses:

HPE	331	Coaching of Football (3)
HPE	333	Coaching of Basketball (3)
HPE	338	Coaching of Soccer (3)
HPE	341	Coaching of Volleyball (3)
HPE	342	Coaching of Track and Field (3)
HPE	382	Coaching of Softball and Baseball (3)

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	Persuasion and Social Influence (3)
COMM	390	Rhetorical Theory (3)

Also complete six hours from the following courses:

COMM	380	Nonverbal Communication (3)
COMM	470	Interpersonal Communication and Relationships (3)
COMM	475	Gender Communication (3)
COMM	477	Family Communication (3)
COMM	493	Topics in Communication (1-3) (if the special topic offeredis a communication studies course).

MINOR: HEALTH COMMUNICATION

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

Course requirements (17 hours)

COMM	1140	Introduction to Media Writing (3)
COMM	2182	Introduction to Public Relations (3)

Choose one course from the following:

COMM	314	Strategic Uses for Social Media (3)
COMM	334	Persuasion and Social Influence (3)
COMM	401	Editorial Writing (3)
COMM	402	Feature Writing (3)
COMM	470	Interpersonal Communication and Relationships (3)
COMM	493	Special Topics (if appropriate to health communication) (3)

Required courses in other areas (8 hours)

BIOL	2210/L*	Human Anatomy and Physiology with Lab I (4)
BIOL	2225/L	Human Anatomy and Physiology with Lab II (4)

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

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	Multimedia Storytelling (3)
COMM	312	Copy Editing (3)
COMM	402	Feature Writing (3)

MINOR: PUBLIC RELATIONS

Note: Students earning a major in communication may not also minor in public relations.

Course Requirements (15 hours)

COMM	1140	Introduction to Media Writing (3)
COMM	2182	Introduction to Public Relations (3)
COMM	303	Public Relations Techniques (3)
COMM	314	Strategic Uses of Social Media (3)
		OR
COMM	315	Digital Media Analytics (3)
COMM	460	Public Relations Cases and Campaigns (3)

MINOR: PUBLIC RELATIONS MANAGEMENT

Note: Students earning a major in communication may not also minor in public relations management studies.

Course Requirements (18 hours)

COMM	303	Public Relations Techniques (3)
COMM	460	Public Relations Cases and Campaigns (3)
MGMT	313	Organizational Behavior (3)
MGMT	425	Training and Development (3)
MGMT	435	Supervision and Management (3)
MGMT	475	Leadership and Organizational Change (3)

MINOR: SOCIAL MEDIA MARKETING

Note: Students earning a major in communication may not also minor in social media marketing studies.

Course Requirements (18 hours)

COMM	303	Public Relations Techniques (3)
COMM	314	Strategic Uses of Social Media (3)
COMM	315	Digital Media Analytics (3)
COMM	460	Public Relations Cases and Campaigns (3)
MKTG	413	Digital Marketing (3)
MKTG	452	Integrated Marketing Communications (3)

DEGREE: BACHELOR OF APPLIED ARTS AND SCIENCES

MAJOR: APPLIED ARTS AND SCIENCES

CONCENTRATION: COMMUNICATION

Note: This concentration is only available for students earning the B.A.A.S. degree. **See Page 44 and 81** for more information about the B.A.A.S. degree.

Course Requirements (30 hours)

COMM	300	Introduction to Communication Theory (3)
COMM	303	Public Relations Techniques (3)
COMM	304	Multimedia Storytelling (3)
COMM	312	Copy Editing (3)
		OR
COMM	311	Editing (3)
COMM	314	Strategic Uses of Social Media (3)
		OR
COMM	315	Digital Media Analytics (3)
COMM	402	Feature Writing (3)
COMM	410	Writing for Media Capstone (3)
COMM	412	Photojournalism (3)
COMM	415	Media Law & Ethics (3)
COMM	420	Documentary Writing and Production (3)
		OR
COMM	422	Directing for Television (3)

Accelerated Undergraduate/Graduate Degree Program

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section “Accelerated Undergraduate/Graduate Degree Programs” in this catalog.

DEPARTMENT OF MUSIC

Professors	Tracy Carr
	Mark Dal Porto
	Jason Paulk
	Richard Schwartz
Associate Professor	Dustin Seifert
	Pamela Shuler
	Sidney Shuler
Assistant Professors	Stephanie Beinlich
	Marie Bird
	Peter Grubisich
	Yoorim Hong
	Jessica Posada
	Marina Bengoa Roldán
Instructors	Kayla Leichty
	Lanjiabao Ge

The Department of Music at Eastern New Mexico University provides exceptional professional preparation for music majors and significant educational and esthetic 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, 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. Eastern New Mexico University 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 the music of virtually any style, from traditional Western European music to jazz or ethnic music.

Part of this preparation includes periodic formal assessments 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 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 primary instrument. Each area of study in the department determines the specifics of the hurdle process (departmental hurdle requirements below).

Admittance to a music education program does not automatically constitute acceptance into the teacher education program. (**See Page 67** for information about teacher education regulations.) Music education majors must have the approval of the discipline faculty and the chair of the department of music before they can student teach.

Sophomore Hurdle Requirements

All BM, BME, and BS in Music majors must complete the following requirements before they will be permitted to advance to the 400-level of applied study:

1. Successful completion (earned grade of C or above) of a minimum of four semesters of private lessons at the 2710 (lower division) level.
2. A sophomore performance hurdle consisting of musical selections, exercises, and/or sightreading as defined by the Department of Music handbooks and/or studio syllabi. A faculty panel consisting of faculty from the representative area will evaluate the performance hurdle along with the comprehensive requirements to determine outcome.
3. Successful completion (earned grade of C or above) of the following Music core classes as listed in the Undergraduate Catalog:
    - MUSC 1160, Music Theory I
    - MUSC 1165, Music Theory II
    - MUSC 1180, Elementary Harmony I
    - MUSC 1185, Elementary Harmony II
    - MUSC 1270, Literature of Music
4. A "Sophomore Hurdle Form" will be available to and completed by each student applying for upper division status.

Students pursuing a choral or instrumental music education program can qualify for state certification in grades K-12 with an endorsement in either choral or instrumental music. **Course Descriptions begin on Page 158.**

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 66.**

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

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	1270*	Literature of Music (3)
MUSC	1310	Recital Attendance (NC) (Must complete a total of four semesters of MUSC 1310)
MUSC	306	Conducting I (1)
MUSC	333	History of Western Music I (3)
MUSC	334	History of Western Music II (3)
MUSC	341	Music Theory III (3)
MUSC	342	Music Theory IV (3)
MUSC	343	Aural Skills III (1)
MUSC	344	Aural Skills IV (1)

MUSC	412	Assessment (NC) (Must complete a total of two semesters of MUSC 412)
MUSC	419	Recital Attendance (NC) (Must complete a total of three semesters of MUSC 419)

* 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 43-45.**
   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 lessons)
   - **Ensemble (8 hours)**
     (must enroll each semester for a minimum of eight semesters for a minimum of one 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.**
   Note: This major requires a minor. Suggested minors include music technology, **see Page 104**; or music composition, **see Page 104**.
8. **Electives to complete a minimum of 120 hours.**

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

EMPHASIS: PIANO PERFORMANCE

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (31-33 hours), see Page 47.**
3. **Music Core Requirements (26 hours), see Page 100.**
4. **Emphasis Requirements (55 hours)**

MUSC	2710D	Piano (12 hours minimum)
MUSC	307	Junior Recital (1)
MUSC	365	Piano Pedagogy I (3)
MUSC	366	Piano Pedagogy II (3)
MUSC	367	Practicum in Pedagogy (1, 1) (Must enroll for a minimum of two semesters)
MUSC	405	Collaborative Piano (2)
MUSC	407	Senior Recital (1)
MUSC	411B	Conducting II (1)
MUSC	420	Piano (12 hours minimum)
MUSC	452	Form and Analysis (2)
MUSC	464	Chamber Music Performance (1, 1, 1) (Must take three hours)
MUSC	471	Piano Literature I (2)
MUSC	472	Piano Literature II (2)
PSYC	1110*	Introduction to Psychology (3)

Large Ensemble (3 hours)
Must enroll for a minimum of three semesters, for three total hours.

Also complete one of the following:

PSYC	2120	Developmental Psychology (3)
PSYC	2130*	Adolescent Psychology (3)
PSYC	2140*	Child Psychology (3)

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

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

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

EMPHASIS: INSTRUMENTAL PERFORMANCE (WINDS AND PERCUSSION)

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (31-33 hours), see Page 47.**
3. **Music Core Requirements (26 hours), see Page 100.**
4. **Emphasis Requirements (47 hours)**

MUSC	2345	Fundamentals of Piano I (1)
MUSC	2350	Fundamentals of Piano II (1)
MUSC	2355	Fundamentals of Piano III (1)
MUSC	2360	Fundamentals of Piano IV (1)
MUSC	307	Junior Recital (1)
MUSC	311	Seminar in Instrumental Literature (2)
MUSC	362	Orchestration and Arranging (2)
MUSC	407	Senior Recital (1)
MUSC	411B	Conducting II (1)
MUSC	452	Form and Analysis (2)

Complete three hours from the following:

MUED	300	Jazz Methods (1)
MUED	310	Woodwind Teaching Techniques I (1)
MUED	311	Woodwind Teaching Techniques II (1)
MUED	312	Brass Teaching Techniques (2)
MUED	314	Percussion Teaching Techniques (2)

Private Lessons

24 hours (minimum) major applied (private lessons), must include nine hours of upper-division (400-level) instruction.

Large Ensemble

Symphonic Band or Wind Symphony (7)

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

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

EMPHASIS: VOCAL PERFORMANCE

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (31-33 hours), see Page 47.**
3. **Music Core Requirements (26 hours), see Page 100.**
4. **Emphasis Requirements (56 hours)**

ENGL	1410	Introduction to Literature (3)
FREN	1110*	French I (4)
FREN	1120*	French II (4)
MUSC	2210	Diction I (2)
MUSC	2360	Fundamentals of Piano IV (1) **AND** Completion of Piano Proficiency
MUSC	2710C	Vocal Private Lessons (eight hours minimum)
MUSC	263/463	Stagecraft for Singers (1, 1, 1, 1) (Four semesters minimum)
MUSC	307	Junior Recital (1)
MUSC	332	Functional Piano (1)

All vocal performance students must satisfy a piano proficiency requirement; required courses: MUSC 2360 and MUSC 332 are designed as preparation.

MUSC	364	Language Diction II (2)
MUSC	367	Practicum in Pedagogy (1)
MUSC	375	Survey of Music Theatre (3)
MUSC	401	Vocal Literature I (2)
MUSC	402	Vocal Literature II (2)
MUSC	407	Senior Recital (1)
MUSC	410	Private Voice Lessons (12 hours minimum)
MUSC	452	Form and Analysis (2)
MUSC	481	Vocal Pedagogy (3)

Large choral ensemble

Eight hours, taken 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: CHORAL

LICENSURE: GRADES K-12

Note: Cumulative GPA of 2.75 is required.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 100.**
4. **Professional Education Requirements (36 hours), see Page 66.**
5. **Emphasis Requirements (41 hours)**

MUSC	263/463	Stagecraft for Singers (1)
MUSC	2210	Diction I (2)
MUSC	2360	Fundamentals of Piano IV (1) **AND** Completion of Piano Proficiency
MUSC	2710C	Vocal (Eight hours minimum)
MUSC	307	Junior Recital (1)
MUSC	332	Functional Piano (1)
MUSC	362	Orchestration and Arranging (2)
MUSC	364	Language Diction II (2)
MUSC	410	Voice (Six hours minimum)
MUSC	411A	Conducting II (1)
MUSC	481	Vocal Pedagogy (3)
MUED	378	Teaching Elementary School Music (3)
MUED	476A	Teaching Secondary School Music (3)

Large choral ensemble

Seven hours, taken for a minimum of seven semesters.

6. **This program requires about 144-156 hours.**
   Note: This major does not require a minor.

DEGREE: BACHELOR OF MUSIC EDUCATION (B.M.E.)
MAJOR: MUSIC EDUCATION

EMPHASIS: INSTRUMENTAL (WINDS/ PERCUSSION)

LICENSURE: GRADES K – 12

Note: Cumulative GPA of 2.75 is required.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. 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 100.**
4. **Professional Education Course Requirements (27-36 hours), see Page 66.**

Emphasis Requirements (38 hours)

MUSC	1250	Class Voice I (1)
MUSC	2360	Fundamentals of Piano IV (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	Brass Teaching Techniques (2)
MUED	313	String Teaching Techniques (1)
MUED	314	Percussion Teaching Techniques (2)
MUED	372	Techniques of Marching Band (2)
MUED	378	Teaching Elementary School Music (3)
MUED	403	Wind Ensemble and Band Literature (2)
MUED	476B	Teaching Secondary School Music (3)

Private Lessons

Seven hours major applied (private lessons) (three hours must be upper-division).

Large Ensembles

Seven hours minimum (must enroll each semester for a minimum of one hour per semester; must include a minimum of three semesters marching band).

5. **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	1160	Music Theory I (3)
MUSC	1165	Music Theory II (3)
MUSC	1180	Elementary Harmony I (1)
MUSC	1185	Elementary Harmony II (1)
MUSC	1270*	Literature of Music (3)

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

Private Lessons

Four hours private lessons

Music Ensemble

Four hours ensemble (must enroll each semester for a minimum of four semesters).

Music Courses

Students must also complete nine hours of music courses, including six hours of academic courses.

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	1160	Music Theory I (3)
MUSC	1165	Music Theory II (3)
MUSC	1180	Elementary Harmony I (1)
MUSC	1185	Elementary Harmony II (1)
MUSC	1270*	Literature of Music (3)
MUSC	2710D/4200	Piano (8) (two each semester for four semesters)
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)
MUSC	2710H/470	Electronic Media (3)

2. **Music Electives (minimum six hours) taken from: any academic music courses, and/or private lessons for the major–any instrument (maximum three hours) and/or Music Ensembles (maximum four hours)**

MINOR: MUSIC COMPOSITION

(MUSIC MAJORS ONLY)

Composition Requirements (23 hours)

MUSC	2310	Sound and Music Technology (3)
MUSC	2710D/4200	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) (4 semesters, 2 credits each semester)
MUSC	454	Senior Project (3) **OR**
MUSC	459	Internship in Music (3)

Note: MUSC 381 fulfills three credit hours of academic music electives for the B.S. degree; MUSC 452 fulfills two credit hours of academic music electives of the B.S. degree; and MUSC 458 fulfills five 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	1160	Music Theory I (3)
MUSC	1180	Elementary Harmony I (1)
MUSC	1270	Literature of Music (3)
MUSC	1310	Recital Attendance (NC) (Must complete two semesters)

Private Lessons
Two hours private voice lessons

Completion of piano proficiency
MUSC 2360 or equivalent

Choral Ensemble
One to two 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	2710K	Fundamentals of Guitar (1) (May be repeated twice)
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 Western Music I (3)
MUSC	334	History of Wester Music II (3)

Large or small instrumental ensembles (1)
from MUSC 269, 2130, 2730A, 2730B, 469, 474, 496, or 497

* Course requires prerequisites. See course description.

MUSIC ENSEMBLES (MUSC)

Music Ensembles (1) Letter grades are 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

MUSC	2430/476	Mixed Chorus (University Singers) (1) (F, S)
MUSC	2720A/437	Chamber Singers (1) (Open by audition only) (F, S)
MUSC	2730A/496	Wind Symphony (1) (Open by audition only) (F, S)
MUSC	2730B/497	Marching Band (1) (F)
MUSC	2730C/498	Symphonic Band (1) (S)

Small Ensembles

MUSC	269/469	Instrumental Ensembles: Steel Band (1) (F, S) Percussion Ensemble (1) (F, S) Brass Ensemble (1) (F, S) Clarinet Choir (1) (F, S) Flute Choir (1) (F, S) Saxophone Ensemble (1) (F, S)
MUSC	2130/474	Jazz Ensemble (1) (Open by audition only) (F, S) Applied Music (1-3) (By audition only)
MUSC	2720B/447	Swanee Singers (1) (Open by audition only) (F)

Private Lessons for Non-Majors (may be repeated for credit)

MUSC	2710A/408	Private Lessons for the Non-Major

Private Lessons for Majors (may be repeated for credit)

Required of all music majors. One half-hour lesson per week for one credit. One hour lesson per week for two credits. One hour lesson plus a seminar per week or equivalent for three credits. Music majors must attend a one-hour weekly Studio class. All music majors must pass a sophomore hurdle before they are permitted to enroll in 400-level applied courses.

MUSC	2270/458	Composition
MUSC	2710B/409	Secondary Instrument
MUSC	2710C/410	Vocal
MUSC	2710D/420	Piano
MUSC	2710E/440	Woodwind Instruments
MUSC	2710F/450	Brass Instruments
MUSC	2710G/460	Percussion Instruments
MUSC	2710H/470	Electronic Media
MUSC	2710J/490	Organ
MUSC	2710K	Guitar

DEPARTMENT OF THEATRE AND DIGITAL FILMMAKING

Associate Professor	Jon Barr
	Leonard Madrid
Assistant Professor	Clara Kundin
	Florina Titz
Instructor	L. W. Miller

THEATRE

Mission

The mission of the Theatre program 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. **Course Descriptions begin on Page 158.**

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

MAJOR: THEATRE

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** The B.A. and B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical will not be counted toward graduation requirements.
2. **General Education Requirements (31-33 hours), see Page 47.**
3. **Theatre Required Courses (63 hours):**

Interdisciplinary Foundations

ARTS	1240*	Design I (3)
		OR
ARTS	1520	Digital Media I (3)
		OR
ARTS	1610*	Drawing I (3)
FDMA	1620	Location Shooting (3)

Theatre Course Requirements

FDMA	1140	Dramatic Analysis (3)
THEA	1210*	Acting for Non-Majors (3)
		OR
THEA	1220	Beginning Acting (3)
THEA	2210	Acting for the Camera (3)
THEA	2310	Stagecraft (3)
THEA	2310L	Stagecraft Laboratory (1, 1, 1)
THEA	2340	Introduction to Design (3)
THEA	2420	Voice & Movement (3)
THEA	2430	Principles of Stage Management (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 Theatrical Production (1, 1, 1) (Must be taken three semesters)
THEA	402	Open Laboratory (3)
THEA	410	The Business of Show Business (3)

Also choose two courses from the following:

THEA	321	Advanced Acting (3)
THEA	404	Acting for the Camera II (3)
THEA	405	Technical Production (3)
THEA	411	Children's Theatre (3)

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

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

MINOR: MUSICAL THEATRE

Music Theatre Course Requirements (21 hours)

DANC	1460	Styles in Dance: Theatrical (2)
		OR
DANC	410B	Styles in Dance: Theatrical (2)
DANC	1225	Styles in Dance: Ballroom (2)
		OR
DANC	410D	Styles in Dance: Ballroom (2)
MUSC	1160	Music Theory I (3)
		OR
MUSC	1210	Fundamentals of Music for Non-Majors (3)
MUS	263	Stagecraft for Singers (1)
MUSC	2710A	Private Lessons for Non-Majors* (Voice) (1, 1, 1)
		OR
MUSC	2710C**	Vocal Private Lessons (1, 1, 1)
MUSC	375	Survey of Musical Theatre (3)
THEA	1210*	Acting for Non-Majors (3)
		OR
THEA	1220	Beginning Acting (3)
THEA	2420	Voice and Movement (3)
THEA	330	Theatrical Performance and Theatrical Production (1)

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

** Students minoring in Music Theatre will audition with music faculty for placement in applied voice, MUSC 2710 A or MUSC 2710C.

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	1210*	Acting for Non-Majors (3) **OR**
THEA	1220	Beginning Acting (3)
THEA	313	Theatre History I (3) **OR**
THEA	314	Theatre History II (3)

Also choose two courses from the following:

THEA	2210	Acting for the Camera (3)
THEA	2310	Stagecraft (3)
THEA	2420	Voice and Movement (3)
THEA	301	Intermediate Acting (3)
THEA	303	Directing Actors (3)
THEA	304	Theatrical Design (3)
THEA	321	Advanced Acting (3)
THEA	324	Workshop in Playwriting (3)
THEA	325	Style and Content in Production Design (3)
THEA	330	Theatrical Performance and Theatrical Production (1, 1, 1)
THEA	348	Stage Combat (3)
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)

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

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. **Course Descriptions begin on Page 158.**

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

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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. **Digital Filmmaking Required Courses (59 hours)**

ARTS	1240*	Design I (3)
		OR
ARTS	1520	Digital Media I (3)
		OR
ARTS	1610*	Drawing I (3)
FDMA	1140	Dramatic Analysis (3)
FDMA	1410	Audio Production (3)
FDMA	1555	Introduction to the Media Industry (1)
FDMA	1620	Location Shooting (3)
FDMA	2110/L	Introduction to Film Studies and Lab (3)
FDMA	312	Designing the Shot (3)
FDMA	313	Advanced Lighting for Digital Filmmaking (3)
FDMA	314	Production Sound 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	376	Production (3)
FDMA	409	Film History (3)
FDMA	450	Senior Portfolio (1)
THEA	1210*	Acting for Non-Majors (3)
		OR
THEA	1220	Beginning Acting (3)
THEA	2210	Acting for the Camera (3)

Capstone Requirements
Choose one of these two options (6 hours):

Option 1:

FDMA	375	Preproduction (3)
FDMA	376	Production (3)

Option 2:

FDMA	479	Senior Project (3)

One of the following:

FDMA	361	Writing the Feature-Length Screenplay (3)
FDMA	377	Experimental Film (3)
FDMA	378	Creating the Web Series (3)
FDMA	480	Music Video (3)

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

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	1140	Dramatic Analysis (3)
FDMA	1410	Audio Production I (3)
FDMA	1620	Location Shooting (3)
FDMA	2110/L	Introduction to Film Studies and Lab (3)
FDMA	312	Designing the Shot (3)
		OR
FDMA	313	Advanced Lighting for Digital Filmmaking (3)

Choose one course from the following (3 hours)

FDMA	320	Sound Design (3)
FDMA	340	Writing the Screenplay (3)
FDMA	360	Postproduction (3)
FDMA	375	Preproduction (3)
FDMA	377	Experimental Film (3)
FDMA	378	Creating the Web Series (3)
FDMA	480	Music Video (3)

DRAMATIC WRITING

Mission

Students who graduate from the Dramatic Writing program at ENMU will be able to write for all types of performance which includes stage plays, screenplays, and digital media. The program starts by training a well-rounded creative writer and then hones those skills toward writing for performance.

Students will gain skills from a diverse, interdisciplinary education that includes writing courses from Digital Filmmaking, English, Communication, and Theatre programs. The skills will include improv, dramatic analysis, feedback styles, and collaboration.

Because the courses are all available online, this education is accessible to students from diverse locations and backgrounds. Consistent with University policy, a "D" grade will not count in the student's major or minor programs. **Course Descriptions begin on Page 158.**

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: DRAMATIC WRITING

1. **Bachelor's Degree Requirements, see Page 43-45.**
   Note: Students must successfully complete FYEX 1110 and a Diversity/Global upper-division requirement. The B.S. degrees require a minimum of 40 hours of upper-division courses. Developmental courses and vocational/technical will not be counted toward graduation requirements.
2. **General Education Requirements (31-33 hours), see Page 47.**
3. **Dramatic Writing Required Courses (53 hours)**

Theatre Course Requirements

THEA	313	Theatre History I (3)
THEA	314	Theatre History II (3)
THEA	324	Workshop in Playwriting (3)
THEA	444	Improv to Script (3)

Digital Filmmaking Course Requirements

FDMA	1140	Dramatic Analysis (3)
FDMA	1555	Introduction to the Creative Media Industry (1)
FDMA	2110/L	Introduction to Film Studies and Lab (3)
FDMA	340	Writing the Screenplay (3)
FDMA	361	Writing the Feature-Length Screenplay (3)
FDMA	378	Creating the Web Series (3)
FDMA	409	Film History (3)
FDMA	450	Senior Portfolio (1)
FDMA	479	Senior Project (3)

Interdisciplinary Writing Course Requirements

ENGL	2310	Introduction to Creative Writing (3)
ENGL	310	Poetry Writing (3)
ENGL	335	Fiction Writing (3)
COMM	1140	Introduction to Media Writing (3)
COMM	304	Multi-Media Storytelling (3)
COMM	410	Writing for Media Capstone (3)

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

College of Liberal Arts and Sciences

The College of Liberal Arts and Sciences is a broad curricular unit organized to emphasize the essential harmony of the social, cultural, and scientific efforts of society. Within the rationale of liberal education, its principal purpose is to help students realize personal, professional, and vocational objectives. All departments of the college offer courses for general and liberal studies in addition to courses for majors and minors. 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, 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.B.), the Associate of Arts (A.A.) in general studies or psychology, the Associate of Science (A.S.) in Electronics Engineering Technology (E.E.T.), and an A.S. in Speech Language Pathology Assistant (S.L.P.A.).

B.A.A.S. Degree Concentrations

The College of Liberal Arts and Sciences offers B.A.A.S. degree concentrations in criminal justice/ sociology, electronics engineering technology (various emphases), emergency management, fire and emergency 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 44.**

College of Liberal Arts and Sciences Programs and Degrees Offered	Degree	Major	Emphasis	Endorsement Area\ Minor for Licensure	Minor
Department of Anthropology and Applied Archaeology					
Anthropology	B.A., B.S.	•			•
Department of Biology					
Bioinformatics	B.S.	•			•
Biology	B.A., B.S.	•		•	•
Ecology, Evolution, and Organismal Biology			•		
Microbiology, Molecular Biology and Biotechnology			•		
Pre-Medicine			•		
Wildlife and Fisheries Science	B.S.	•			•
Department of Health and Human Services					
Applied Arts and Sciences	B.A.A.S.	•			
Emergency Management			•		•
Emergency Medical Services Management			•		
Fire and Emergency Services Administration			•		
Communicative Disorders	B.S.	•			•
Clinical Practice					•
Clininal Practice (Bilingual)					•
Health and Human Services					•
Nursing	B.S.N.	•			
Social Work	B.S.W.	•			•
Speech-Language Pathology Assistant	A.S.	•			

Chart continues on next page

College of Liberal Arts and Sciences

Programs and Degrees Offered

	Degree	Major	Emphasis	Endorsement Area\ Minor for Licensure	Minor
Department of History, Social Sciences and Religion					
Criminal Justice	B.A., B.S.	•			•
History	B.A., B.S.	•			•
Religion					•
Social Studies with Emphasis in History	B.A., B.S.	•			
Social Studies				•	
Sociology	B.A., B.S.	•			•
Interdisciplinary Programs					
Forensic Science	B.S.	•			
Forensic Anthropology			•		
Forensic Biology			•		
Forensic Chemistry			•		
General Studies	A.A.	•			
Allied Health					
Pre-Dentistry					
Pre-Medicine					
Pre-Pharmacy					
Pre-Physical Therapy					
Pre-Physician's Assistant					
Pre-Veterinary					
Department of Languages and Literature					
Creative Writing					•
English	B.A., B.S.	•		•	•
Technical and Professional Communication					•
American Language and Culture					

	Degree	Major	Emphasis	Endorsement Area\ Minor for Licensure	Minor
Department of Languages and Literature (continued)					
Spanish	B.A.	•		•	•
Translation and Interpretation			•		•
Department of Mathematical Sciences					
Computer Science	B.S.	•			•
Electronics Engineering Technology (EET)	A.S.	•			•
EET Composite	B.S., B.A.A.S.	•			
EET Computer Engineering	B.A.A.S.		•		
EET Renewable Energy	B.A.A.S.		•		
Mathematics	B.A., B.S.	•		•	•
Mathematics for Secondary Education	B.A., B.S.	•		•	
Statistics					•
Department of Physical Sciences					
Aviation Science	B.S., B.A.A.S.	•			
Biochemistry	B.S.		•		
Chemistry	B.S.				•
Chemistry-Pre-Medicine			•		
Environmental Science	B.S.	•			
General Science				•	
Geology					•
Department of Psychology and Political Science					
Legal Studies					•
Political Science					•
Developmental Psychology					•
Psychology	A.A.,B.A., B.S.	•			•

DEPARTMENT OF ANTHROPOLOGY AND APPLIED ARCHAEOLOGY

Professor	John L. Montgomery
Associate Professor	Erik Stanley
Assistant Professors	Brendon Asher
	Averi Jones
	Elizabeth Lynch

Anthropology, the study of humanity, past and present, is divided into four subdivisions:

1. Archaeology, the study of past humans;
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, the Agency for Conservation Archaeology, 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 in the Plains and the Southwestern U.S. The University's location provides a unique vantage point to study America's earliest as well as contemporary Native American 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, and cultural resource management.

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

MAJOR: ANTHROPOLOGY

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 43.** 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 Core Requirements (23 hours)**

ANTH	1120C	Introduction to Archaeology (4)
ANTH	1135/L	Introduction to Biological Anthropology (4)
ANTH	1140*	Introduction to Cultural Anthropology (3)
ANTH	340	Native Cultures of North America (3)
ANTH	410	Introduction to Geographic Information Systems (3)
ANTH	492	Anthropological Theory (3)
ANTH	499	Anthropological Writing (3)

4. **Anthropology Subfield Requirements (18 hours)**
   Select two classes (6 hours) from EACH of the three subfields listed below:

Archaeology

ANTH	365	Archaeology of North America (3)
ANTH	374	Archaeological Field Methods (3)
ANTH	494	Analytical Techniques in Archaeology (3)

Biological Anthropology

ANTH	2130	Introduction to Forensic Anthropology (3)
ANTH	404	Human Osteology (3)
ANTH	418	Zooarchaeology (3)

Cultural Anthropology

ANTH	333	Anthropology and the Developing World (3)
ANTH	415	Ethnographic Methods (3)
ANTH	432	Native Americans of the Southwest (3)

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

5. **Anthropology Elective Requirements (12 hours)**
   Complete 12 hours of ANTH/GEOG electives, at least six of which must be upper-division (300-/400-level).
6. **Electives to complete a minimum of 120 hours.**
   Depending on the student's career goals, they are encouraged to take either SOCI 325 Social Statistics or MATH 1350 Introduction to Statistics, or a course in a second language. Students should discuss these options and how they fit into the degree plan with their advisor.
   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 (17 hours)

ANTH	1120C*	Introduction to Archaeology (4)
ANTH	1135/L	Introduction to Biological Anthropology (4)
ANTH	1140*	Introduction to Cultural Anthropology (3)

Complete six hours of upper-division (300-/400-level) ANTH electives.

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

GEOGRAPHY

At ENMU, geography courses are offered for general education and those majors requiring or recommending their use.

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

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section “Accelerated Undergraduate/Graduate Degree Programs” in this catalog.

DEPARTMENT OF BIOLOGY

Professors	Matthew A. Barlow
	Darren A. Pollock
	Manuel F. Varela
Assistant Professor	Patricia Cabrales-Arrellano
	Drew R. Davis
	Corey Green
	Johnathan Schmitt
	Sreejith Perinthottathil
Instructor	Michelle Hughes

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 emphases in Ecology, Evolution, and Organismal biology (EEOB); Microbiology, Molecular Biology, and Biotechnology (MMBB); or Pre-Medicine. Students may also follow the specialized curricula for the Bioinformatics major or the Wildlife and Fisheries Sciences (WFS) major.

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 Allied Health Sciences Programs section immediately following Biological Sciences 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 66**. **Course Descriptions begin on Page 158.** Students in a major with Secondary Science Licensure will complete the Teaching Degree General Education Requirements as found **on Page 62** and the Professional Education Requirements listed **on Page 66.**

Biology Core Course Requirements (26 hours)

BIOL	2110/L*	Principles of General Biology: Cellular and Molecular Biology (4)
BIOL	2120	Cellular and Molecular Biology (3)
BIOL	2610/L	Principles of General Biology: Biodiversity, Ecology, and Evolution (4)
BIOL	2630	General Botany (3)
BIOL	303	General Ecology (3)
BIOL	304/L	Genetics (4)
BIOL	306/L	Microbiology (4)
BIOL	492	Undergraduate Seminar and Assessment (1) (Taken in the final semester)

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)
CHEM	341/L	Organic Chemistry I (4)
PHYS	1230/L*	Algebra-based Physics I (4)
PHYS	1240/L*	Algebra-based Physics II (4)
MATH	1220*	College Algebra (4)
MATH	1350*	Introduction to Statistics Methods I (4)
MATH	1430	Applications of Calculus I (3)
		OR
MATH	1510*^	Calculus I (4)

* May also be used to satisfy a General Education requirement.
^ Prerequisites for MATH 1510 (MATH 1220 and MATH 1230) must each be completed with a "C" or better.

Note: The biology faculty strongly recommends pre-medical students also take CHEM 342/L (4), CHEM 401/L (2), CHEM 452 (3), PSYC 1110 (3) and SOCI 1110 (3).

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

MAJOR: BIOLOGY (NO EMPHASIS)

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43**. 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)**
4. **Elective Biology Requirements (24 hours minimum)**
5. **Required courses in other areas (31-32 hours)**
6. **Electives to complete a minimum of 120 hours.** **Note:** This major does not require a minor.

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

EMPHASIS: ECOLOGY, EVOLUTION AND ORGANISMAL BIOLOGY (EEOB)

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** 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)**
4. **EEOB Emphasis Requirements (19-20 hours)**

BIOL	2630L	General Botany Laboratory (1)
BIOL	300/L	Invertebrate Zoology (4)
BIOL	303L	General Ecology Laboratory (1)
BIOL	305	Evolution and Systematics (3)
BIOL	460	Landscape Ecology and GIS (3)

Select one of the following vertebrate biology courses:

BIOL	307/L	Vertebrate Zoology (4)
BIOL	411/L	Herpetology (4)
BIOL	431/L	Mammalogy (4)
BIOL	436/L	Ichthyology (4)
BIOL	442/L	Ornithology (4)

Select one specialty course:

BIOL	301/L	General Entomology (4)
BIOL	410/L	Plant Systematics (4)
BIOL	420/L	Plant Structure and Function (4)
BIOL	430	Limnology (3)

5. **Required courses in other areas (31-32 hours), see Page 114.**
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 43-45.** **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 43.** 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 114.**
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)

Complete three to four upper-division (300-/400-level) credit hours in a specialty course.

5. **Required courses in other areas (31-32 hours), see Page 114.**
6. **Electives to complete a minimum of 120 hours.** **Note:** This major does not require a minor.

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

EMPHASIS: PRE-MEDICINE

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** 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 114.**

4. Pre-Medicine Emphasis Requirements (21-24 hours)

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)
BIOL	380	Endocrinology (3)
		OR
BIOL	427	Developmental Biology (3)
BIOL	421	Immunology (3)
		OR
BIOL	422/L	Medical Microbiology (4)
BIOL	424/L	Advanced Human Physiology (4)
		OR
BIOL	433/L	Neurobiology (5)

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

Complete three to four 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 114.

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 & 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)

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

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: WILDLIFE AND FISHERIES SCIENCES

1. Bachelor's Degree Requirements, see Page 43-45. **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 (48 hours)

BIOL	1650/L*	Wildlife Biology (4)
BIOL	2110/L*	Principles of Biology: Cellular & Molecular Biology (4)
BIOL	2630/L	General Botany (4)
BIOL	303/L	General Ecology (4)
BIOL	304/L	Genetics (4)
BIOL	404	Fisheries Management and Conservation (3)
BIOL	405	Wildlife Management (3)
BIOL	410/L	Plant Systematics (4)
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)

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

^ Students seeking certification by The Wildlife Society will require BIOL 431/L Mammalogy.

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.

A. PHYSICAL SCIENCES Select courses from at least two of the following (15 hours):

Agriculture

SOIL	2110	Introduction to Soil Science (3)

Geology

GEOL	1110/L*	Physical Geology (4)
GEOL	1115/L*	Earth Resources (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:

MATH	1430	Applications of Calculus I (3)
STAT	313	Statistical Methods II (3)

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

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: Cellular & Molecular Biology (4)
BIOL	303/L	General Ecology (4)
BIOL	304/L	Genetics (4)

Select one of the following:

BIOL	404	Fisheries Management and Conservation (3)
BIOL	405	Wildlife Management and Conservation (3)
BIOL	417	Environment Resources and Policy (3)

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

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

LICENSURE: SECONDARY SCIENCE

Note: Cumulative GPA of 2.75 is required.

1. Bachelor's Degree Requirements, see Page 43-45.
Note: Students must successfully complete FYEX 1110 and an institutional Diversity/Global requirement. 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 & Molecular Biology (4)
BIOL	2610/L*	Principles of Biology: Biodiversity, Ecology, & Evolution (4)
BIOL	305	Evolution & Systematics (3)
BIOL	407	Teaching Methods in Science (4)
BIOL	492	Undergraduate Seminar & Assessment (1)

One course and lab from:

BIOL	303/L	General Ecology (4)
BIOL	304/L	Genetics (4)
BIOL	306/L	Microbiology (4)

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	1350*	Introduction to Statistics (4)
MATH	1430	Applications of Calculus I (3)
		OR
MATH	1510*	Calculus I (4)

* May also be used to satisfy Teacher Education General Education Requirements.

5. Professional Education Requirements (36 hours), see Page 66.

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 (but are not limited to) determining the cause of certain diseases, understanding the evolution of organisms, engineering new drugs and bioengineering.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 114.**
4. **Bioinformatics Requirements (42 hours)**

BIOL	425/L	Molecular Biology (4)
BIOL	435/L	Bioinformatics (4)
CHEM	1215/L*	General Chemistry I for STEM Majors (4)
CHEM	401/L	Biochemical Methods (2)
CHEM	452	Biochemistry (3)
CSCI	1210	Computer Programming Fundamentals (4)
CSCI	1220	Computer Programming Fundamentals: Python (3)
MATH	1220*	College Algebra (4)
MATH	1350*	Introduction to Statistics (4)
PHYS	1230/L*	Algebra-based Physics I (4)
STAT	313	Statistical Methods II (3)
STAT	400	Data Science (3)

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

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

MINOR: BIOINFORMATICS

Note: Biology, Chemistry or Computer Science students will take fewer than 28 hours 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 (28 hours)

BIOL	2110/L*	Principles of Biology: Cellular & Molecular Biology (4)
BIOL	304/L	Genetics (4)
BIOL	435/L	Bioinformatics (4)
CHEM	452	Biochemistry (3)
CSCI	1220	Computer Programming Fundamentals: Python (3)
MATH	1350*	Introduction to Statistics (4)
STAT	313	Statistical Methods II (3)
STAT	400	Data Science (3)

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

Bachelor of Science/Master of Science (B.S./M.S.) Plan

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section "Accelerated Undergraduate/Graduate Degree Programs" in this catalog.

ALLIED HEALTH SCIENCES PROGRAMS

ENMU offers a variety of options for students who wish to enter 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 Science Center (RSC), Room 113.

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 a prospective pre-med 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 the requirements of the schools. The Medical College Admissions Test (MCAT) is offered each fall and spring at pre-medical college centers. It is recommended that this test be taken in

the spring of a student's 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 the year that they wish 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. 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.

DEPARTMENT OF HEALTH AND HUMAN SERVICES

COMMUNICATIVE DISORDERS

Professors	Adrienne Bratcher
	Suzanne Swift
Associate Professor	Rachel Lingnau
Assistant Professors	Seana Evelyn
	Priyanka Shailat
	Varun Uthappa A.G.
	Joan Wilson
	Theresa Worthington
Instructors	Laura Bucknell
	Rebecca Dewbre
	Jennifer Jayme
	Lacy Plummer
	Erin Sherman-Standefer
	Nicole Whitehouse
	Dwayne Wilkerson

The Speech-Language Pathology Assistant (SLPA) Associate of Science degree prepares individuals to work as support personnel in the field of communication disorders. Support personnel in speech-language pathology, or speech-language pathology assistants (SLPAs), perform tasks as prescribed, directed, and supervised by ASHA-certified speech-language pathologists (SLPs). Students who complete the A.S. in SLPA earn 36 credit hours toward their major/minor in a communicative disorders degree at ENMU.

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 (e.g., birth through the elderly) and are provided in a wide range of settings (schools, clinics, hospitals, rehabilitation centers, private practice, state agencies, etc.).

The Bachelor of Science 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 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. Please be advised that students applying to the ENMU CDIS graduate program must have a "B" or better in all required CDIS coursework; otherwise, they will be required to retake classes prior to taking certain courses at the graduate level.

The CDIS major requires a minor. Students who major in CDIS may not minor in CDIS. **Course Descriptions begin on Page 158.**

Program Outcomes/Competencies

ENMU CDIS graduates will:

- Accept personal accountability for ethical and competent speech-language pathology practice, as well as for continuing professional and personal development.
- Base clinical practice on methods of scientific inquiry and evidence-based practice to meet clients' needs for increasingly complex clinical care in various settings.
- Apply concepts from speech-language pathology theories and research, cultural competencies, and the sciences and humanities to assess individual clients', families' and communities' needs for therapeutic intervention.
- Collaborate with clients and other professionals to plan and deliver therapeutic intervention.
- Communicate effectively using 21st century technology, including the oral and written word, to think critically about major concepts and processes central to speech-language pathology (e.g., ethical and effective leadership, and clinical excellence).

DEGREE: ASSOCIATE OF SCIENCE (A.S.)
MAJOR: SPEECH-LANGUAGE PATHOLOGY ASSISTANT (SLPA)

1. **Associate Degree Requirements, see Page 43. The A.S. degree requires a minimum of 60 hours of courses. Note:** FYEX 1110 is required for A.S. degree-seeking students with fewer than 30 credit hours successfully completed.
2. **General Education Requirements (31-33 Hours), see Page 47.**
3. **Speech-Language Pathology Assistant Course Requirements (37 Hours)**

CDIS	300	Speech-Language-Hearing Anatomy and Physiology (3)
CDIS	301	Survey of Communicative Disorders (3)
CDIS	310	Phonetics/Phonology (3)
CDIS	311	Articulation/Phonology (3)
CDIS	330	Communication Development and Language Science (3)
CDIS	332	Language Science and Disorders (3)

CDIS	350	Neurodiversity and Augmentative and Alternative Communication (3)
CDIS	353	Voice and Fluency (3)
CDIS	434	Aural Rehabilitation (3)
CDIS	441	Speech-Language Preclinical (2)
CDIS	441L	Preclinical Observation Lab (1)
CDIS	460	SLPA Administrative Competencies and Service Delivery Issues (3)
CDIS	473	Swallowing and Neurogenic Communication Disorders (3)

Students must complete one (1) credit in one or more of the following:

CDIS	485	SLPA Fieldwork in Educational Settings (1)
CDIS	486	SLPA Fieldwork in Medical Settings (1)
CDIS	487	SLPA Fieldwork in Private Practice and Other Settings (1)

4. **Students must accrue 100 clock hours in their fieldwork course:**
   - 80 hours of direct patient/client/student services under the supervision of an ASHA-certified speech-language pathologist (SLP)
   - 20 hours of indirect patient/client/student services under the supervision of an ASHA-certified SLP.

Students must have achieved all competencies as listed on ASHA's verification of technical proficiency of SLPAs prior to graduation with the A.S. in SLPA.

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: COMMUNICATIVE DISORDERS

1. **Bachelor's Degree Requirements, see Page 43-45.** **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	310	Phonetics/Phonology (3)
CDIS	311	Articulation/Phonology (3)
CDIS	330	Communication Development and Language Science (3)
CDIS	332	Language Science and 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)
CDIS	460	SLPA Administrative Competencies and Service Delivery Issues (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). The Health and Human Services minor is also a cross disciplinary minor with coursework in CDIS and Social Work.
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 advisor 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	303	Language Science (3)
CDIS	320	Issues in Disability (3)
CDIS	445	Speech-Language Practicum (1)
CDIS	446	Audiology Practicum (1)
SOWK	345	Working with Aging Populations (3)
SOWK	447	Impact of Child Abuse and Neglect (3)
PSYC	2120	Human Growth and Development (3)
PSYC	2520	Research Methods and Statistics in Psychology (4)

Certification requirements for credentialing 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)

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

MINOR: CLINICAL PRACTICE

Requirements (21 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 Neurodiversity and Augmentative and Alternative Communication (3)
CDIS 473 Swallowing and Neurogenic Communication Disorders (3)
CDIS 478 Professional Writing in Communication Disorders (3)

Elective III - Select 6 hours from following courses:

CDIS 325 Literacy Assessment and Intervention (3)
CDIS 353 Voice and Fluency (3)
CDIS 480 Case Studies in Communication Disorders (3)
CDIS 484 Introduction to Telepractice and Clinical Issues (3)

MINOR: CLINICAL PRACTICE (BILINGUAL)

Requirements (33-41 Hours)

Note: This minor may require summer coursework.

CDIS Requirements (21 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 Neurodiversity and Augmentative and Alternative Communication (3)
CDIS 473 Swallowing and Neurogenic Communication Disorders (3)
CDIS 478 Professional Writing in Communication Disorders (3)

Elective III - Select 6 hours from following courses:

CDIS 325 Literacy Assessment and Intervention (3)
CDIS 353 Voice and Fluency (3)
CDIS 480 Case Studies in Communication Disorders (3)
CDIS 484 Introduction to Telepractice and Clinical Issues (3)

Elective	Fall	Spring	Summer
I	CDIS 323 Multicultural Issues in Communication Disorders (3)	CDIS 324 Literacy Development and Disorders (3)	CDIS 433 Medical Concepts for Communicative Disorders (3)
II	CDIS 478 Professional Writing in Communicative Disorders (3)	CDIS 350 Neurodiversity and Augmentative and Alternative Communication (3)	CDIS 473 Survey of Swallowing, Motor Speech, and Aphasia (3)
III	CDIS 484 Introduction to Telepractice and Clinical Issues (3) CDIS 480 Case Studies in Communication Disorders (3)	CDIS 353 Voice and Fluency (3)	CDIS 325 Literacy Assessment and Intervention (3)

One of the following options for Spanish language is required:

Option 1 – 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** Introduction to Hispanic Linguistics (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.

Option 2 – 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 310 Spanish for Professional Personnel (3)
SPAN 330** Introduction to Hispanic Linguistics (3)

** May be taken concurrently with SPAN 2120.

Option 3 – SPAN requirements:
Heritage Speakers (12 Hours):

SPAN	2210	Spanish for Heritage Speakers III (3)
SPAN	2220	Spanish for Heritage Speakers IV (3)
SPAN	310	Spanish for Professional Personnel (3)
SPAN	330**	Introduction to Hispanic Linguistics (3)

** May be taken concurrently with SPAN 2220.

MINOR: HEALTH AND HUMAN SERVICES

Health and Human Services Requirements (21 Hours)

SOWK	345	Working with Aging Populations (3)
SOWK	447	Impact of Child Abuse and Neglect (3)
CDIS	320	Issues in Disability (3)
CDIS	455	Research and Evidence Based Practice (3)
CDIS Electives		Select nine hours from Elective I, II, or III (9)

Elective I:

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:

CDIS	350	Neurodiversity and Augmentative and Alternative Communication (3)
CDIS	473	Swallowing and Neurogenic Communication Disorders (3)
CDIS	478	Professional Writing in Communication Disorders (3)

Elective III:

CDIS	325	Literacy Assessment and Intervention (3)
CDIS	353	Voice and Fluency (3)
CDIS	480	Case Studies in Communication Disorders (3)
CDIS	484	Introduction to Telepractice and Clinical Issues (3)

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	Communication Development and Language Science (3)
CDIS	332	Language Science and Disorders (3)

Accelerated B.S./M.S. Plan

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section “Accelerated Undergraduate/Graduate Degree Programs” in this catalog.

EMERGENCY MANAGEMENT

Instructor Joe Mendez

“Leading the Lifesavers”

ENMU offers three areas of study for emergency services personnel seeking to advance their knowledge and careers:

- Fire and Emergency Services Administration (FESA)
- Emergency Management (EMGT)
- Emergency Medical Services Management (EMSM)

Courses in these areas 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, EMSM or EMGT as a secondary concentration must additionally complete 30 hours of prescribed coursework as indicated by FESA, EMSM 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 will be required to

complete the two concurrently, enrolling in at least one general education course each semester until general education requirements have been met.

Students may begin the program any semester. **Course Descriptions begin on Page 158.** All grades earned in the primary 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 ten-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 chief officers, administrators, state directors, training officers, and instructors.

DEGREE: BACHELOR OF APPLIED ARTS AND SCIENCES (B.A.A.S.)
MAJOR: APPLIED ARTS AND SCIENCES

CONCENTRATION: FIRE AND EMERGENCY SERVICES ADMINISTRATION (FESA)

1. **Bachelor's Degree Requirements, see Page 43-45.** **Note:** Students must successfully complete FYEX 1110 and Upper-Division Diversity/Global 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.**
3. **Primary Concentration Area (30-58 hours)** Vocational or technical coursework transferred from accredited university or ACE accredited. The acceptance and transfer of coursework will be based on an analysis of each student's transcript. ENMU cannot guarantee award of credit based on certification or licensure alone.
4. **Secondary Concentration Area in FESA Course Requirements (30 hours)**

EMGT	302	Introduction to Emergency Management (3)
EMGT	303	Emergency Services Administration and Management (3)
EMGT	304	Personnel Management (3)
EMGT	305	Applications of Fire Research (3)
EMGT	306	Fire Prevention Organization and Management (3)
EMGT	330	EMS Operations (3)
EMGT	402	Legal, Political and Regulatory Issues (3)
EMGT	403	Community Risk Reduction for Fire and Emergency Services (3)
EMGT	475	Capstone in Emergency Management (3)

And one of the following:

EMGT	301	Leadership and Ethics (3)
EMGT	401	Homeland Security (3)
EMGT	405	Public Health Emergencies (3)
EMGT	493	Topics in Emergency Management (3)

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

Emergency Management (EMGT)

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/or 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:

1. Students taking 21 credits as specified below may use their EMGT courses as a minor.
2. Students taking 30 credits in EMGT may use these hours as their secondary concentration for the B.A.A.S. degree.

DEGREE: BACHELOR OF APPLIED ARTS AND SCIENCES (B.A.A.S.)
MAJOR: APPLIED ARTS AND SCIENCES

CONCENTRATION: EMERGENCY MANAGEMENT (EMGT)

1. **Bachelor's Degree Requirements, see Page 43-45.** **Note:** Students must successfully complete FYEX 1110 and Upper-Division Diversity/Global course. 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.**
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.
4. **Secondary Concentration (30 hours)**

EMGT	301	Leadership and Ethics (3)
EMGT	302	Introduction to Emergency Management (3)
EMGT	303	Emergency Services Administration and Management (3)
EMGT	310	Disaster Response (3)
EMGT	400	Emergency Preparedness (3)
EMGT	402	Legal, Political and Regulatory Issues (3)
EMGT	403	Community Risk Reduction for Fire and Emergency Services (3)
EMGT	405	Public Health Emergencies (3)
EMGT	410	Hazard Mitigation (3)
EMGT	475	Capstone in Emergency Management (3)

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

Note: This major does not require a minor.

Emergency Medical Services Management (EMSM)

The Emergency Medical Services Management (EMSM) concentration is a ten-course curriculum (30 credit hours) designed to provide the fundamental leadership and administrative skills for conventional ambulance and expanded mobile healthcare supervisory and management personnel to advance their careers.

This program is geared for potential and current EMS supervisors, instructors, training officers, managers, administrators, and state directors.

DEGREE: BACHELOR OF APPLIED ARTS AND SCIENCES (B.A.A.S.)

MAJOR: APPLIED ARTS AND SCIENCES

CONCENTRATION: EMERGENCY MEDICAL SERVICES MANAGEMENT (EMSM)

1. **Bachelor's Degree Requirements, see Page 43-45.** **Note:** Students must successfully complete FYEX 1110 and Upper-Division Diversity/Global course. 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.**
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 Emergency Medical Technician, Advanced EMT/ EMT Intermediate or Paramedic certification/ licensure alone.
4. **Secondary Concentration (30 Hours):**

EMGT	302	Introduction to Emergency Management (3)
EMGT	303	Emergency Services Administration and Management (3)
EMGT	305	Applied Research (3)
EMGT	330	EMS Operations (3)
EMGT	331	EMS Safety and Risk Management (3)
EMGT	402	Legal, Political and Regulatory Issues (3)
EMGT	403	Community Risk Reduction for Fire and Emergency Services (3)
EMGT	405	Public Health Emergencies (3)
EMGT	475	Capstone in Emergency Management (3)

And ONE of the following:

EMGT	301	Leadership and Ethics (3)
EMGT	401	Homeland Security (3)

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

MINOR 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 (21 hours):

EMGT	302	Introduction to Emergency Management (3)
EMGT	310	Disaster Response (3)
EMGT	400	Emergency Preparedness (3)
EMGT	405	Public Health Emergencies (3)
EMGT	410	Hazard Mitigation (3)
EMGT	475	Capstone in Emergency Management (3)

And ONE of the following:

EMGT	301	Leadership and Ethics (3)
EMGT	401	Homeland Security (3)

NURSING

Instructors Susan Bassett, MSN, RN
Kelly De La Rosa, MSN, RN
Ruth Young, MSN, RN

Mission Statement

The mission of the B.S.N. Completion Program is to provide a well-balanced liberal arts education while engaging students in information literacy, using contemporary technologies. A commitment to diversity and health equity is encouraged through liberal learning, freedom of inquiry and an inclusive educational experience. Our mission includes facilitating nursing students' abilities to build a strong foundation for lifelong personal and professional learning at the baccalaureate level.

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 and health equity principles in our students. An innovative curriculum based on the changing healthcare needs of society and the healthcare delivery system is integral to the commitment of the faculty to learning and evidence-based practice. 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. 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, emotional intelligence, and clinical 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, and culturally sensitive nursing practice, with a goal of health equity. 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:

- Establish accountability for continuing professional and personal identity/development to ensure ethical, high quality, equitable, inclusive, and safe nursing practice for diverse populations.
- Formulate clinical practice informed by methods of scientific inquiry and evidence-based practice to meet the client's need for increasingly complex health care in various settings.
- Incorporate intellectual curiosity for nursing practice concepts based on nursing theory, research, cultural competencies, the sciences, the humanities, and the determinants of health (individual, family, and community).
- Facilitate collaboration with diverse population: clients, communities, and other health care professionals to plan and deliver holistic, patient-centered care.
- Integrate communication and information literacy, using contemporary information technology to integrate contextual nursing principles into nursing practice.
- Incorporate emotional intelligence (EI) in self-assessment and interpersonal relationships to promote stress reduction, resiliency, and wellness.

Program Accreditation

The B.S.N. Completion Program at ENMU is accredited by the Accreditation Commission for Education in Nursing (ACEN). To contact:

ACEN
3390 Peachtree Road NE Suite 1400
Atlanta, GA 30326
404.975.5000

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 upper division courses.
- Grade of "C" or higher in MATH 1350.
- Admission Application submitted to the University and separate application to be accepted into the BSN program.

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 nursing 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 academic clinical experience in New Mexico or other states, the ENMU nursing program may agree to accept previously earned nursing course credits toward the B.S.N. degree. Additionally, ENMU may accept the student's clinical nursing courses as if they had been earned at the upper-division 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 ten-month course of professional study, for full-time students who have completed all General Education Requirements of the B.S.N. 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 12-18 credit hours per semester), may extend their matriculation beyond ten 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 ten 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 adviser as early as possible in their academic career. Those students wishing to declare the B.S.N. major/degree plan must apply to the B.S.N. program and meet with their B.S.N. adviser 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 eight weeks in length (practicum courses NURS 415C and 425C are 16 weeks), so students can also be admitted in the second half of the fall or spring semester. Students in the B.S.N. completion program must follow all policies and procedures as outlined in the B.S.N. 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 ten months. Students seeking part-time enrollment must consult with their adviser 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 415C and 425C), students must refer to the B.S.N. Completion Program student handbook for additional nursing specific and CastleBranch requirements. **Course Descriptions begin on Page 158.**

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

1. **Bachelor's Degree Requirements, 120 hours minimum, see Page 43-45.**
   Note: The B.S.N. degree requires a minimum of 40 hours of upper-division courses. Developmental and 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), see Page 47.**
3. **NURS 312 Global Health Care (3) OR a Diversity/ Global upper-division requirement.** B.S.N. students may select any course in this category. This course is also offered to non-nursing majors.
4. **B.S.N. Completion Program Nursing Course Requirements (32 hours)** All nursing courses are delivered via distance education and Learning Management System.

NURS	315	Foundations of Professional Nursing (3)
NURS	317	Nursing Management (3)
NURS	319	Nursing Management of Pain (3)
NURS	329	Integrative Care Concepts (3)
NURS	360	Health Assessment (3)
NURS	413	Nursing Theory (3)
NURS	415C	Community Health/Practicum (4)
NURS	416	Evidence-based Practice and Nursing Research Applications (3)
NURS	417	Sociocultural Responsiveness in Nursing Practice (3)
NURS	425C	Nursing Leadership/Practicum (4)

5. **Required courses in other areas (4 hours)**

MATH	1350*	Introduction to Statistics (4)

*May require prerequisite course in MATH according to placement. May also be used to satisfy a General Education Requirement.

6. **Electives to complete a minimum of 120 hours.** Electives are not required for the BSN Degree. If electives are taken to complete the mandatory 120 credit hours, courses must be relevant to the nursing curriculum. Students are strongly advised to select electives in consultation with a nursing faculty adviser.

Semester 1	Course	Fall
NURS 315	Foundations of Professional Nursing	1st 8 weeks
NURS 413	Nursing Theory	1st 8 weeks
NURS 317	Nursing Management	2nd 8 weeks
NURS 360	Health Assessment	2nd 8 weeks
NURS 415C	Community Health/ Practicum	16 weeks
Semester 2	**Course**	**Spring**
NURS 319	Nursing Management of Pain	1st 8 weeks
NURS 329	Integrative Care Concepts	1st 8 weeks
NURS 416	Evidence-Based Practice and Nursing Research Applications	2nd 8 weeks
NURS 417	Sociocultural Responsiveness in Nursing Practice	2nd 8 weeks
NURS 425C	Nursing Leadership/ Practicum	16 weeks

Suggested Program of Study for the Bachelor of Science in Nursing

This is not an official degree plan. For specific information, students should contact their adviser. Students who seek a part-time course of study should see their adviser for an individual matriculation plan.

Accelerated Program (B.S.N. to M.S.N)

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section "Accelerated Undergraduate/Graduate Degree Programs" in this catalog.

SOCIAL WORK

Program Director	George Arguello, LMSW
Assistant Professor	Melissa Moyer
	Amy Russell
	Amber Sosa
	Carolyn Tollett
Instructors	Deborah Chavez
	Christin Haney
	Kelly Jo Parkey

Social work is a helping profession that is a leader in the development, provision, and evaluation of social services. Social work is both an academic and an applied discipline that relies on values of service, social and economic justice, the dignity and worth of the person, the importance of human relationships, and integrity and competence in practice. The purpose of the social work profession is to promote human and community well-being.

Among the social sciences, social work is unique in its emphasis on both the person and the social environment in a reciprocal relationship. As outlined by the Council on Social Work Education (CSWE) the social work profession is guided by a person-in-environment framework, a global perspective, respect for human diversity and knowledge based on scientific inquiry. The purpose of social work is actualized through its quest for social and economic justice, the prevention of conditions that limit human rights, the elimination of poverty, and the enhancement of the quality of life for all persons, locally and globally.

ENMU's Bachelor of Social Work (B.S.W.) program is accredited by and follows the standards and guidelines of the CSWE in preparing students to be competent, caring, ethical and effective social work practitioners. B.S.W. graduates from ENMU are eligible to sit for the B.S.W. social work licensure examination and may also be eligible for advanced standing admission to an M.S.W. program.

The B.S.W. curriculum is designed to provide the base of knowledge, values, skills, and cognitive affective processes necessary for competent and ethical generalist social work practice to those entering the profession, as well as those already practicing in social service settings. The curriculum is designed to help prepare students and practitioners for licensure and advanced study.

Social workers are licensed professionals found in a wide variety of practice settings including mental health, child welfare, community-based organizations, medical facilities, schools, youth services, law enforcement, courts, corrections, military, services to older adults, and other social service providers.

Program Model

The ENMU B.S.W. program is designed to be a two-year course of professional study and fieldwork for students who want to become social workers. Students entering 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 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. Field placement coursework may require travel and/or completion of course requirements during regular working (daytime) hours.

Students considering a social work major should consult with a social work faculty advisor as early as possible in their academic career. Those students wishing to declare the social work major/degree plan must declare their major through the **my.enmu.edu** portal. This allows assignment of a social work faculty advisor to assist students with planning their course of study. SOWK 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. 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. **Course Descriptions begin on Page 158**.

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

MAJOR: SOCIAL WORK

1. **Bachelor's Degree Requirements, see Page 43-45.** **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)**

SOWK	2110	Introduction to Human Services and Social Work (3)
SOWK	311	Social Work Practice I – Individuals (3)
SOWK	312	Social Work Practice II – Families (3)
SOWK	321	Human Behavior in the Social Environment (HBSE) (3)
SOWK	341	Social Welfare Policy (3)
SOWK	345	Working with Aging Populations (3)
SOWK	349	Perspectives in Mental Health (3)

SOWK	360	Chemical Dependence – Significances & Consequences (3)
SOWK	361	Preparation for Field Placement (3)
SOWK	413	Social Work Practice III – Small Groups (3)
SOWK	416	Public Child Welfare (3)
SOWK	426	Human Diversity and Multiculturalism in Social Work Practice (3)
SOWK	445	Social Work Practice IV: Macro (3)
SOWK	448	Social Research I (3)
SOWK	455	Field Placement/Seminar I (3)
SOWK	465	Field Placement/Seminar II (3)
SOWK	498	Senior Seminar (3)

Six credit hours from the following: SOWK 212, 213, 320, 350, 447, 450, or 493.

4. Electives to complete a minimum of 120 hours.

Additional Provisions

Students must meet the following conditions to graduate:

1. All students wishing to declare a social work major must submit this request the **my.enmu.edu** portal. For admittance to the B.S.W. program, students must enroll in or apply to ENMU, declare social work as their major, and complete the B.S.W. application process. The B.S.W. program accepts students in the fall and spring semesters. Fall applications are due to the program no later than April 30, spring applications are due no later than November 15. The application includes an essay, requires three references and is available online at **https://my.enmu.edu/web/forms/social-work-program-application**. In addition, an admission interview is conducted by B.S.W. faculty. Students are required to have a 2.50 GPA to begin the program.
2. Courses are sequential in nature and 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 the B.S.W. Field Instruction Manual. These documents are available through program faculty, included in Canvas course shells, and are also available on the B.S.W. homepage and program portal.
4. All students seeking to enter the social work program, including transfer students, or those who hold an A.A. or other degree, must meet with a social work faculty advisor to prepare the B.S.W. degree plan. Students must also complete advising with a B.S.W. program advisor prior to enrolling each semester. Advising should be completed during the regular academic year (August to May) and students are encouraged to see their advisors during advising week each semester.
5. The majority of General Education Requirements must be met (31-33 hours minimum).
6. Social work majors must take 57 hours of social work courses. All social work courses must be completed with a grade of "C" or higher.
7. Social Work practice courses (SOWK 311, 312, 413, and 445) may only be taken a second time, if a "C" or higher is not obtained the first attempt, after a meeting with their advisor. Program director approval is required for a third attempt.
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 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)

SOWK	2110	Introduction to Human Services and Social Work (3)
SOWK	321	Human Behavior in the Social Environment (HBSE I) (3)
SOWK	345	Working with Aging Populations (3)
SOWK	349	Perspectives in Mental Health (3)
SOWK	416	Public Child Welfare (3)
SOWK	450	Inside Family Violence (3)

DEPARTMENT OF HISTORY, SOCIAL SCIENCES AND RELIGION

Professors	Suzanne Balch-Lindsay
	Omar Camarillo
	Donald C. Elder, III
Associate Professors	Maria Duarte
	Michelle Schmidt
	Chelsea Starr
	Kristin Waldo
Assistant Professors	Claudia Rocha
	Katelynn Robinson
	Aleksandra Treglown
	Jennifer Welsh
Instructors	Gary Piepkorn
	Thomas Reeder, Jr.
	Dag Sewell
	Shirley Rollinson

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. **Course Descriptions begin on Page 158.** 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 66.**

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. **Course Descriptions begin on Page 158.** 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 HUMN 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. **Course Descriptions begin on Page 158,** 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 43-45.** **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 43.** 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)
HIST	305	Imperialism to Globalism (3)
HIST	490	Senior Portfolio in History (1)

4. **Upper-division History Requirements (18 hours) Eighteen (18) hours of HIST that must include one course each in:**
   - U.S. I (HIST 327, 372, 413, 433);
   - U.S. II (328, 431, 432);
   - European I (HIST 321, 322, 324, 410);
   - European II (411, 412, 428) and
   - Non-Western (HIST 377, 381) history.

Note: One HIST 493 (3 hours) may be taken as part of required hours in HIST.

5. **Required courses in other areas (9 hours)**

ANTH	310	Origins of Human Diversity (3)
		OR
GEOG	1130*	Human Geography (3)
		OR
GEOG	1140*	Humans Role in Changing the Face of the Earth (3)

ECON	1110*	Survey of Economics (3)
		OR
ECON	2110*	Macroeconomic Principles (3)
HUMN	1110*	Introduction to World Humanities I (3)
		OR
HUMN	2110	Introduction to Modern World Humanities II (3)

* May also be used to satisfy General Education Requirements.

6. Minor in a different field or a second major.

7. Electives to complete a minimum of 120 hours.

MINOR: HISTORY

Note: Students who major in history may not also minor in history.

History Course Requirements (21 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)

Students must complete nine additional hours of HIST, at least six of which must upper-division (300-/400-level).

* May also be used to satisfy General Education Requirements.

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.

Note: Cumulative GPA of 2.75 is required.

1. Bachelor's Degree Requirements, see Page 43-45.
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 43.** 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 (18 hours)

GEOG	1130*	Human Geography (3)
GEOG	1140*	Humans Role in Changing the Face of the Earth (3)
ANTH	333	Anthropology of the Developing World (3)
		OR
SOCI	320	Social and Cultural Change (3)
ECON	1110*	Survey of Economics (3)
		OR
ECON	2110*	Macroeconomic Principles (3)
POLS	1120*	American National Government (3)
SOCI	1110*	Introduction to Sociology (3)

4. History Course Requirements (22 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	2110*	Survey of New Mexico History (3)
HIST	2310	Introduction to Historical Methods (1)
HIST	305	Imperialism to Globalism (3)
HIST	409	Teaching Social Studies (3)

* May also be used to satisfy Teaching General Education requirements.

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, 413, 431, 432, 433);
- European (HIST 321, 322, 324, 410, 411, 412, 428);
- Non-Western (HIST 377, 381) history.

Note: One HIST 493 (3) may be taken as part of required hours in HIST.

6. Professional Education Requirements (30-39 hours), see Page 66.

7. This program requires about 120-128 hours.

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 History (non-licensure) or are pursuing Social Science for secondary licensure may not minor in social studies.

Social Studies Course Requirements (37 hours)

GEOG	1130*	Human Geography (3)
		OR
GEOG	1140*	Humans Role in Changing the Face of the World (3)
ANTH	333	Anthropology of the Developing World (3)
		OR
SOCI	320	Social and Cultural Change (3)
ECON	1110*	Survey of Economics (3)
		OR
ECON	2110*	Macroeconomic Principles (3)
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	2110*	Survey of New Mexico History (3)
HIST	2310	Introduction to Historical Methods (1)
HIST	305	Imperialism to Globalism (3)
HIST	409	Teaching Social Studies (3)
POLS	1120*	American National Government (3)
SOCI	1110*	Introduction to Sociology (3)

* May also be used to satisfy Teaching General Education requirements.

SOCIOLOGY

Sociology studies the social forces and influences that structure human activity and experience. The discipline gives particular attention to configurations of groups and relationships as well as routines of everyday and organized social life. By examining, in addition, cultural values and meanings through which humans express and define themselves, sociology offers special insight of how larger social and cultural patterns

infuse peoples' lives. Having as its core a comparative methodology, multicultural, cross-cultural, and global perspectives are central.

Students may major or minor in sociology. Students considering post-graduate study in the social sciences are encouraged to choose MATH 1350 Introduction to Statistics to complete general education mathematics requirements. **Course Descriptions begin on Page 158.**

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

MAJOR: SOCIOLOGY

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** 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 (25 hours)**

SOCI	1110*	Introduction to Sociology (3)
SOCI	2110	Major Orientation (1)
SOCI	303	Social Stratification (3)
SOCI	311	Collective Behavior (3)
		OR
SOCI	320	Social and Cultural Change (3)
SOCI	324	Social Psychology (3)
		OR
SOCI	431	Deviant Behavior (3)
SOCI	402	Classical Sociological Theory (3)
		OR
SOCI	411	Contemporary Sociological Theory (3)
SOCI	325	Social Statistics (3)
SOCI	434	Social Research Methods (3)

One course from the following:

SOCI	414	Sociology of Religion (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):** Complete 12 hours of SOCI electives, at least six of which must be upper-division (300-/400-level).
5. **Minor in a different field or a second major.**
6. **Electives to complete a minimum of 120 hours.**

MINOR: SOCIOLOGY

Note: Students who major in sociology may not also minor in sociology.

Sociology Requirements (21 hours)

SOCI	1110*	Introduction to Sociology (3)
SOCI	303	Social Stratification (3)
SOCI	434	Social Research Methods (3)
SOCI	402	Classical Sociological Theory (3)
		OR
SOCI	411	Contemporary Sociological Theory (3)

Complete nine hours of SOCI electives, at least six of which must be upper-division (300-/400-level).

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

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. **Course Descriptions begin on Page 158.**

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 43-45.** **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 43.** 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. **Criminal Justice Course Requirements (10-13 hours)**

CJUS	1110	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)** Complete 18 hours of CJUS electives, at least 12 of which must be upper-division (300-/400-level). SOCI 430 may also be used to satisfy upper-division requirement.
5. **Requirements in Sociology (16 hours)**

SOCI	1110*	Introduction to Sociology (3)
SOCI	2110	Major Orientation (1)
SOCI	325	Social Statistics (3)
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.

1. **Criminal Justice Requirements (18 hours)**

CJUS	1110	Introduction to Criminal Justice (3)
CJUS	301	Criminal Law and the Courts (3)
CJUS	312	Criminology (3)

Complete nine hours of CJUS electives, at least six of which must be upper-division (300-/400-level).

2. **Requirements in Sociology (3 hours)**

Complete ONE of the following:

SOCI	303	Social Stratification (3)
SOCI	419	Sociology of Law (3)
SOCI	431	Deviant Behavior (3)

RELIGION

There are no admissions to the Religion major program at this time. Students currently pursuing a B.A. or B.S. with a major in Religion will complete their program under their original catalog.

Students may apply Religion courses as an emphasis area in a Bachelor of University Studies (B.U.S.) or B.A.A.S. degree. See **Page 70** and **Page 81** for more details.

MINOR: RELIGION

Religion Course Requirements (18 hours)

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

Complete nine hours of RELG electives with a minimum of six hours upper-division (300-/400-level).

BIBLICAL LANGUAGES

There are no admissions to the Biblical Languages minor program at this time. Students currently pursuing a minor in Biblical Languages will complete their program under their original catalog.

INTERDISCIPLINARY PROGRAMS

General Studies (A.A.)

Within the College of Liberal Arts and Sciences, a student may pursue an interdisciplinary program of study at the Associates level (A.A.) with 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 43.**
   Note: Students must successfully complete FYEX 1110. Developmental and vocational/technical courses will not be counted toward graduation requirements.
2. **Degree General Education Requirements (31-33 hours), see Page 47.**
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 with courses taken through ENMU-Portales.

FORENSIC SCIENCE

Program Director Averi Jones

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 from which students will select one area of specialization: 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.

Course Descriptions begin on Page 158.

Forensic Science Core Requirements (52-53 hours)

ANTH	1190C*	Survey of Forensic Science (4)
ANTH	2130	Introduction to Forensic Anthropology (3)
BIOL	2110/L*	Principles of Biology I: Cellular and Molecular Biology (4)
CHEM	1215/L*	Chemistry for STEM Majors I (4)
CHEM	1225/L*	Chemistry for STEM Majors II (4)
CHEM	341/L	Organic Chemistry I (4)
CHEM	342/L	Organic Chemistry II (4)
CJUS	1110	Introduction to Criminal Justice (3)
CJUS	2140	Criminal Investigations (3)
PHYS	1230/L*	Algebra-based Physics I (4)
PHYS	1240/L*	Algebra-based Physics II (4)
MATH	1220*	College Algebra (4)
MATH	1350*	Introduction to Statistics (4)
MATH	1430	Applications of Calculus I (3)
		OR
MATH	1510*	Calculus I (4)

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

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

EMPHASIS: FORENSIC ANTHROPOLOGY

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (52-53 hours), see Page 136.**
4. **Forensic Anthropology Emphasis Area Requirements (26 hours)**

ANTH	1120C*	Introduction to Archaeology (4)
ANTH	404	Human Osteology (3)
ANTH	411	Advanced Skeletal Analysis (3)
ANTH	489	Internship (3)
		OR
ANTH	491	Directed Study (3)
ANTH	497	Forensic Science Senior Seminar (1)
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.

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

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

EMPHASIS: FORENSIC BIOLOGY

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (52-53 hours), see Page 136.**
4. **Forensic Biology Emphasis Area Requirements (30 hours)**

BIOL	2120	Cellular and Molecular Biology (3)
BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)
BIOL	304/L	Genetics (4)
BIOL	306/L	General Microbiology (4)
BIOL	422/L	Medical Microbiology (4)
		OR
BIOL	425/L	Molecular Biology (4)
BIOL	465	Senior Research (3)
		OR
BIOL	489	Pre-Professional Internship (3)
BIOL	497	Forensic Science Seminar (1)
CHEM	452	Biochemistry (3)

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

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

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

EMPHASIS: FORENSIC CHEMISTRY

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (52-53 hours), see Page 136.**
4. **Forensic Chemistry Emphasis Area Requirements (27 hours)**

CHEM	2310/L	Quantitative Analysis (4)
CHEM	321/L	Inorganic Chemistry (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)
CHEM	470	Investigative Problems (3)
CHEM	497	Forensic Science Senior Seminar (1)

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

DEPARTMENT OF LANGUAGES AND LITERATURE

Professors	Mary Fanelli Ayala
Associate Professors	Micah Donohue
	Michael Rizza
	David Sweeten
Assistant Professors	Megan Arlett
	Verónica García Moreno
	Jovana Gómez
	Henna Messina
Instructors	Gillian Anderson
	Timothy Decker
	Ben Fuqua
	Cheryl Hendershot
	Yitzen Lizama-Peraza

ENGLISH

The English program at ENMU is carefully planned to assist all students to achieve mastery of written composition and comprehension and to provide those students who plan to teach English or to pursue higher degrees in English with courses that will prepare them for their careers. The program also provides students with the opportunity to satisfy their intellectual curiosity, whether or not their major studies are in English, through exposure to the ideas of a variety of writers.

Most freshman students will enroll in ENGL 1110 and ENGL 1120 as part of the General Education Requirements. A grade of "C" or better is required in both of those courses.

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 ENGL 1110 with a grade of "C" or higher, and those enrolling in upper-division English courses are required to have completed ENGL 1110 and 1120 with a grade 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 66. Course Descriptions begin on Page 158.**

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

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** 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	2610*	American Literature I (3)
ENGL	2620*	American Literature II (3)
ENGL	2630*	British Literature I (3)
ENGL	2640*	British 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)

Complete nine hours of upper-division (300-/400-level) ENGL electives from the following list of courses: ENGL 376, 413, 426, 430, 441, 447.

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

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	2610*	American Literature I (3)
		OR
ENGL	2620*	American Literature II (3)
ENGL	2630*	British Literature I (3)
		OR
ENGL	2640*	British Literature II (3)
ENGL	301	Cinema Studies (3)
		OR
ENGL	330	Literary Theory (3)

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

Complete nine hours of ENGL electives, including six hours of upper-division courses.

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

LICENSURE: SECONDARY

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

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 43.** 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. **English Course Requirements (43 hours)**

ENGL	1120*	Composition II (3)
ENGL	1410	Introduction to Literature (3)
ENGL	2610	American Literature I (3)
ENGL	2620	American Literature II (3)
ENGL	2630	British Literature I (3)
ENGL	2640	British Literature II (3)
ENGL	301	Cinema Studies (3)
ENGL	330	Literary Theory (3)
ENGL	345	Advanced Composition (3)
ENGL	376	Latina/o/x Literature (3)
ENGL	441	Shakespeare (3)
ENGL	494	Senior Capstone (1)
ENGL	496	Methods of Teaching Secondary English (3)

Complete six hours of upper-division (300-/400-level) English electives.

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

4. **Professional Education Requirements (36), see Page 66.**
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)

ENGL	1410*	Introduction to Literature (3)
ENGL	301	Cinema Studies (3)
		OR
ENGL	330	Literary Theory (3)
ENGL	345	Advanced Composition (3)
ENGL	496	Methods of Teaching Secondary English (3)

Choose two of the following:

ENGL	2610	American Literature I (3)
		OR
ENGL	2620	American Literature II (3)
ENGL	2630	British Literature I (3)
		OR
ENGL	2640	British Literature II (3)

Complete six hours of upper-division (300-/400-level) ENGL electives, from the following list: ENGL 376, 378, 413, 426, 430, 441, 447.

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

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. Students majoring in English may minor in Creative Writing.

MINOR: CREATIVE WRITING

Course Requirements (18 hours)

ENGL	2310	Introduction to Creative Writing (3)
ENGL	310	Poetry Writing (3)
ENGL	335	Fiction Writing (3)
ENGL	401	Creative Non-fiction (3)
ENGL	420	Reading as a Creative Writer (3)
FDMA	340	Writing the Screenplay (3)
		OR
THEA	324	Workshop in Playwriting (3)

TECHNICAL AND PROFESSIONAL COMMUNICATION

The Technical and Professional Communication minor prepares students for opportunities and flexibility in numerous fields by building proficiencies in areas such as report writing, design, grant writing, technical writing, editing, ethical communication practices, and more. Such skills may be especially suited for students in science, technology, business, social work, communications, and any field that expects effective communication. Students will develop skills in line with the writing expectations in their field, including the ability to design effective written, visual, and oral communication; analyze and compose in various professional writing genres; write for clarity and conciseness; and much more. Students majoring in any field, including English, may minor in Technical and Professional Communication.

MINOR: TECHNICAL AND PROFESSIONAL COMMUNICATION

Course Requirements (18 hours)

ENGL	2210*	Technical and Professional Communication (3)
ENGL	305	Report Writing (3)
ENGL	406	Visual Rhetoric and Design (3)
ENGL	407	Professional Writing Theory and Ethics (3)

Choose one of the following:

ENGL	345	Advanced Composition (3)
ENGL	408	Grant Writing (3)

Choose one of the following electives:

ENGL	345	Advanced Composition (3)
ENGL	401	Creative Nonfiction (3)
ENGL	408	Grant Writing (3)
SPAN	301	Translation and Interpretation (3)
SPAN	310	Spanish for Professional Personnel (3)
SPAN	311	Advanced Conversation and Composition (3)
HPE	459	Sports Marketing (3)
COMM	303	Public Relations Techniques (3)
COMM	314	Strategic Uses of Social Media (3)
COMM	331	Intercultural Communication (3)
COMM	460	Public Relations Cases and Campaigns (3)
CDIS	478	Professional Writing in Communication Disorders (3)

* May also be used to satisfy General Education requirements.

Accelerated Undergraduate/Graduate Degree Program

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section “Accelerated Undergraduate/Graduate Degree Programs” in this catalog.

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. **Course Descriptions begin on Page 158.**

Courses Offered:

ALC	102	Foundations of English I (3)
ALC	104	Foundations of English II (3)
ALC	202	English Conversation I (3)
ALC	204	English Conversation II (3)
ALC	210	English for Academic Purposes I (3)
ALC	212	English for Academic Purposes II (3)
ALC	290	TOEFL Preparation (3)
ALC	293	Topics in American Language and Culture (3)

MODERN LANGUAGES

The Modern Languages program provides students with bilingual abilities in French or Spanish, encouraging a greater understanding of another culture and of their own language. Spanish, especially, is important to professionals working in the Southwest. Students may also prepare for an advanced degree in Spanish.

Only students with no previous knowledge of the language should register for 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 begin on Page 158.**

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

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 43.** 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 (34 hours)**
   Note: An online placement exam is available in the ENMU Portal under "New Student Registration." The placement exam may be used to fulfill prerequisites. Contact the Advising Center or the Department of Languages and Literature.

SPAN	2120*	Spanish IV (3)
		OR
SPAN	2220*	Spanish for Heritage Learners IV (3)
SPAN	300	Introduction to Hispanic Literature (3)
SPAN	311	Advanced Conversation and Composition (3)
SPAN	325	Peninsular Culture and Civilization (3)
SPAN	326	Latin American Culture and Civilization (3)
SPAN	494	Senior Capstone (1)

Choose two of the following:

SPAN	331	Latin American Survey I (3)
SPAN	332	Latin American Survey II (3)
SPAN	351	Peninsular Survey I (3)
SPAN	352	Peninsular Survey II (3)

Complete 12 hours of SPAN electives including nine hours of upper-division (300-/400-level) courses.

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

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

EMPHASIS: TRANSLATION AND INTERPRETATION

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 43.** 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 (38 hours).**
   Note: An online placement exam is available in the ENMU Portal under "New Student Registration." The placement exam may be used to fulfill prerequisites. Contact the Advising Center or the Department of Languages and Literature.

SPAN	2120*	Spanish IV (3)
		OR
SPAN	2220*	Spanish for Heritage Learners IV (3)
SPAN	300	Introduction to Hispanic Literature (3)
SPAN	311	Advanced Conversation and Composition (3)
SPAN	325	Peninsular Culture and Civilization (3)
SPAN	326	Latin American Culture and Civilization (3)
SPAN	494	Senior Capstone (1)

Choose two of the following:

SPAN	331	Latin American Survey I (3)
SPAN	332	Latin American Survey II (3)
SPAN	351	Peninsular Survey I (3)
SPAN	352	Peninsular Survey II (3)

Translation and Interpretation Emphasis Requirements:

SPAN	2277	The Art and Skill of Translation (3)
SPAN	301	Translation and Interpretation (3)
SPAN	310	Spanish for Professional Personnel (3)
SPAN	330	Introduction to Hispanic Linguistics (3)
SPAN	490	Test Preparation for Interpretation Certificate (1)

Complete three additional hours of upper-division SPAN electives (300-/400-level). Internship is available for 1-6 credit hours to satisfy the required elective hours; consult with your adviser.

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

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 43-45.**
   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 43.** 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 (37 hours)**
   Note: An online placement exam is available in the ENMU Portal under "New Student Registration." The placement exam may be used to fulfill prerequisites. Contact the Advising Center or the Department of Languages and Literature.

Course Requirements (37 hours)

SPAN	2120	Spanish IV (3)
		OR
SPAN	2220	Spanish for Heritage Learners IV (3)
SPAN	300	Introduction to Hispanic Literature (3)
SPAN	311	Advanced Conversation and Composition (3)
SPAN	325	Peninsular Culture and Civilization (3)
SPAN	326	Latin American Culture and Civilization (3)
SPAN	330	Introduction to Hispanic Linguistics (3)
SPAN	436	Teaching of Modern Languages (3)
SPAN	494	Senior Capstone (1)

Choose two of the following:

SPAN	331	Latin American Survey I (3)
SPAN	332	Latin American Survey II (3)
SPAN	351	Peninsular Survey I (3)
SPAN	352	Peninsular Survey II (3)

Complete nine hours in SPAN, including three hours of upper-division (300-/400-level) courses.

4. **Professional Education Requirements (30-39 hours), see Page 66.**
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.

Note: An online placement exam is available in the ENMU Portal under "New Student Registration." The placement exam may be used to fulfill prerequisites. Contact the Advising Center or the Department of Languages and Literature.

Course Requirements (21 hours)

SPAN	2120*	Spanish IV (3)
		OR
SPAN	2220*	Spanish for Heritage Learners IV (3)
SPAN	300	Introduction to Hispanic Literature (3)
SPAN	311	Advanced Conversation and Composition (3)

Also complete 12 hours in SPAN, including three hours of upper-division (300-/400-level) courses.

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

MINOR: TRANSLATION AND INTERPRETATION

Note: Students earning a major in Spanish may not also minor in Translation and Interpretation. See the requirements for an emphasis in Translation and Interpretation.

Note: An online placement exam is available in the ENMU Portal under "New Student Registration." The placement exam may be used to fulfill prerequisites. Contact the Advising Center or the Department of Languages and Literature.

Course Requirements (19 hours)

SPAN	2120*	Spanish IV (3)
		OR
SPAN	2220*	Spanish for Heritage Learners IV (3)
SPAN	2277	The Art and Skill of Translation (3)
SPAN	301	Translation and Interpretation (3)
SPAN	310	Spanish for Professional Personnel (3)
SPAN	311	Advanced Conversation and Composition (3)
SPAN	330	Introduction to Hispanic Linguistics (3)
SPAN	490	Test Preparation for Interpretation Certificate (1)

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

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: SPANISH

LICENSURE: ELEMENTARY/SPECIAL EDUCATION AND SECONDARY EDUCATION

Note: GPA of 2.75 is required in the minor.

Note: An online placement exam is available in the ENMU Portal under "New Student Registration." The placement exam may be used to fulfill prerequisites. Contact the Advising Center or the Department of Languages and Literature.

Spanish Course Requirements (24 hours)

SPAN	2120	Spanish IV (3)
		OR
SPAN	2220	Spanish for Heritage Learners IV (3)
SPAN	300	Introduction to Hispanic Literature (3)
SPAN	311	Advanced Conversation and Composition (3)
SPAN	330	Introduction to Hispanic Linguistics (3)
SPAN	436	Teaching of Modern Languages (3)

Choose two of the following:

SPAN	331	Latin American Survey I (3)
SPAN	332	Latin American Survey II (3)
SPAN	351	Peninsular Survey I (3)
SPAN	352	Peninsular Survey II (3)

Also complete three hours of upper-division (300-/400-level) SPAN courses.

DEPARTMENT OF MATHEMATICAL SCIENCE

Professors	Hamid Allamehzadeh
	Brian Pasko
Associate Professors	Dhimitraq Duni
	Kristi Jarman
Assistant Professors	Ananta Acharya
	Eduardo Ceh-Varela
	Dipak Dulal
	Jiangqi Hu
	Essa Imhmed
	Sarbaqya Shakya
	Prabha Shrestha
Instructors	Sangharsha Bhatta
	Scott Hendershot
	Kimberly Potters
	Lynnette Roller
	Justin Strawn
	Ann Varela

MATHEMATICS

Mathematical Sciences offers up-to-date, sound curricula in pure and applied mathematics from which students may attach 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.

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 66. Course Descriptions begin on Page 158.**

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

MAJOR: MATHEMATICS

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** 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. **Mathematics Course Requirements (52-53 hours)**

CSCI	1210	Computer Programming Fundamentals (3)
		OR
CSCI	1220	Computer Programming Fundamentals: Python (4)
MATH	1350*	Introduction to Statistics (4)
MATH	1510*	Calculus I (4)
MATH	1520	Calculus II (4)
MATH	2530	Calculus III (4)
MATH	340	Foundations of Higher Mathematics (4)
MATH	341	Abstract Algebra I (3)
MATH	351	Ordinary Differential Equations (4)
MATH	352	Introduction to Linear Algebra (4)
MATH	371	Real Analysis (3)
MATH	400	Introduction to Topology (3)
MATH	407	Introduction to Complex Variables (3)
MATH	418	Decision Theory and Prescriptive Analytics (3)
STAT	403	Probability and Mathematical Statistics (3)

Also complete three hours upper-division (300-/400-level) MATH (excluding MATH 310, 311, 317, 345, and 429), STAT (excluding STAT courses taken by statistics minors) or CSCI courses (excluding CSCI courses taken by computer science minors).

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

4. **Minor in a different field or a second major.**
5. **Electives to complete a minimum of 120 hours.**

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: INDUSTRIAL MATHEMATICS AND STATISTICS

There are no new declarations of major for Industrial Mathematics and Statistics at this time. Students currently pursuing a B.A. or B.S. will complete their program under their original catalog.

MINOR: MATHEMATICS

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

Mathematics Course Requirements (24-26 hours)

MATH	1510*	Calculus (4)
MATH	1520	Calculus II (4)
MATH	2530	Calculus III (4)

Also complete four upper-division (300-/400-level) MATH electives or STAT electives (12-14 hours) excluding MATH 310, 311, 317, 345, and 429.

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

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, 400. **Course Descriptions begin on Page 158.**

MINOR: STATISTICS

Statistics Course Requirements (21 hours)

MATH	1350*	Introduction to Statistics (4)
MATH	1510*	Calculus I (4)
MATH	1520	Calculus II (4)
STAT	313	Statistical Methods (3)
STAT	400	Data Science (3)
STAT	403	Probability and Mathematical Statistics (3)

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

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

Note: Cumulative GPA of 2.75 is required.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 43.** 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 (44-46 hours)**

CSCI	1210	Computer Programming Fundamentals (4)
		OR
CSCI	1220	Computer Programming Fundamentals: Python (3)
MATH	1350*	Introduction to Statistics (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 (4)
MATH	341	Abstract Algebra I (3)
MATH	352	Introduction to Linear Algebra (4)
		OR
MATH	371	Real Analysis (3)
MATH	413	History of Mathematics (3)
MATH	429	Methods for Teaching Secondary Mathematics (3)

* May also be used to satisfy Teaching General Education requirements.

4. **Professional Education Requirements (36 hours), see Page 66.**
5. **This program requires about 115-142 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 (25 hours)

MATH	1350*	Introduction to Statistics (4)
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 (4)

* May also be used to satisfy Teaching General Education requirements.

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	1350*	Introduction to Statistics (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)

If additional hours are needed to complete 24 hours in the content area, students may choose from: CSCI 1220, 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 may 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. **Course Descriptions begin on Page 158.**

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

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (51 hours)**

CS	102	Computer Science Orientation (1)
EET	122	Programming Fundamentals with C/C++ (3)
CSCI	1210	Computer Programming Fundamentals (4)
CSCI	1220	Computer Programming Fundamentals: Python (3)
CSCI	2210	Object-Oriented Programming (4)
CSCI	2310	Discrete Mathematics for Computer Science (3)
CSCI	301	Programming Language Concepts (3)
CSCI	334	Web Application and Development (3)
CSCI	357	Data Structures (3)
CSCI	359	Database Design and Programming (3)
CSCI	361	Introduction to Computer Architecture (3)
CSCI	401	Introduction to Compilers (3)
CSCI	440	Computer Networks (3)
CSCI	451	Design and Analysis of Algorithms (3)
CSCI	460	Introduction to Applied Machine Learning (3)
CSCI	461	Operating Systems (3)
CSCI	472	Software Engineering (3)

4. **Required courses in other areas (19-20 hours)**

BCIS	301	Information Systems for Managers (3)
EET	241	Logic Circuits (2)
ENGL	305	Report Writing (3)
MATH	1510*	Calculus I (4)
MATH	1520	Calculus II (4)

One course from MATH 1350*, STAT 313, 403 or 400 (3-4)

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

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 may not also minor in computer science.

Computer Science Requirements (18-19 hours)

CS	102	Computer Science Orientation (1)
CSCI	1210	Computer Programming Fundamentals (4)
CSCI	2210	Object-Oriented Programming (4)
CSCI	2310	Discrete Mathematics for Computer Science (3)
CSCI	357	Data Structures (3)

One course from upper-division STAT or CSCI courses, BCIS 343, 435; EET 241; MATH 1350 (3-4 hours).

ELECTRONICS ENGINEERING TECHNOLOGY

The Bachelor of Science degree in Electronics Engineering Technology provides knowledge and experience with electronics technology and applications in computer systems design, electronics systems design, communication circuits design, industrial control and control systems design, 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. B.A.A.S. in EET (various emphases) information is available **on Page 83. Course Descriptions begin on Page 158.**

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: ELECTRONICS ENGINEERING TECHNOLOGY COMPOSITE (EET)

Note: This concentration can be completed through online instruction.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (60 hours)**

EET	110/L	Circuit Analysis I (3)
EET	122	Fundamentals of Programming with C/C++ (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 I (3)
		OR
EET	403/L	Renewable Energy Technology II (3)
		OR
EET	404/L	Renewable Energy Technology III (3)
EET	412/L	Electrical Power and Machinery (3)
EET	437/L	Semiconductor Devices III (3)
EET	450/L	Control Systems (3)
EET	457/L	Electronic Communications II (3)
EET	472/L	Introduction to Embedded System (3)
EET	490	Capstone (3)

4. **Required courses in related areas (11 hours)**

MATH	1220*	College Algebra (4)
MATH	1230*	Trigonometry (3)
MATH	1510*	Calculus I (4)

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

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

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: ELECTRONICS ENGINEERING TECHNOLOGY COMPOSITE (EET)

EMPHASIS: COMPUTER ENGINEERING TECHNOLOGY (CET)

Note: This concentration can be completed through online instruction.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 and CSCI Core Requirements (24 hours)**

CSCI	1210	Computer Programming Fundamentals (3)
EET	110/L	Circuit Analysis I (3)
EET	122	Fundamentals of Programming with C/C++ (3)
EET	131	Introduction to Engineering with MATLAB (3)
EET	210/L	Circuit Analysis II (3)
EET	237/L	Semiconductor Devices (3)
EET	241/L	Logic Circuits (3)
EET	242/L	Sequential Circuits and Applications (3)

4. **CE Emphasis Requirements (21 hours)**

CSCI	301	Programming Language Concepts (3)
EET	302/L	Industrial Electronics (3)
EET	337/L	Semiconductor Devices II (3)
EET	340/L	Introduction to Computer Organization and Architecture (3)
EET	343/L	Advanced Digital Design (3)
EET	437/L	Semiconductor Devices III (3)
EET	472/L	Introduction to Embedded System (3)

5. **Required Technical Electives (31-33 hours)**

CSCI	1220	Computer Programming Fundamentals: Python (3)
CSCI	357	Data Structures (3)
CSCI	472	Software Engineering (3)
EET	310/L	Linear Systems (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)
EET	450/L	Control Systems (3)
EET	489	Industrial Internship (1-3)
EET	490	Capstone (3)

6. **Required courses in related areas (15 hours)**

MATH	1220*	College Algebra (4)
MATH	1230*	Trigonometry (3)
MATH	1350*	Introduction to Statistics (4)
MATH	1510*	Calculus I (4)

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

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

DEGREE: BACHELOR OF SCIENCE (B.S.)
MAJOR: ELECTRONICS ENGINEERING TECHNOLOGY COMPOSITE (EET)

EMPHASIS: RENEWABLE ENERGY (RE)

Note: This concentration can be completed through online instruction.

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 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	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/L	Electrical Power and Machinery (3)
EET	450/L	Control Systems (3)
EET	490	Capstone (Renewable Energy Projects) (3)

5. Required courses in related areas (18-19 hours)

CSCI	1220	Computer Programming Fundamentals: Python (3)
		OR
CSCI	1210	Computer Programming Fundamentals (4)
		OR
EET	122	Fundamentals of Programming with C/C++ (3)
MATH	1220*	College Algebra (4)
MATH	1230*	Trigonometry (3)
MATH	1350*	Introduction to Statistics (4)
MATH	1510*	Calculus I (4)

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

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

DEGREE: ASSOCIATE OF SCIENCE (A.S.)
MAJOR: ELECTRONICS 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 program in engineering technology.

1. Associate Degree Requirements, see Page 43.
Note: Students must successfully complete FYEX 1110. 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 (21-22 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)
CSCI	1220	Computer Programming Fundamentals: Python (3)
		OR
CSCI	1210	Computer Programming Fundamentals (4)
		OR
EET	122	Fundamentals of Programming with C/C++ (3)

4. Electives to complete a minimum of 60 hours.

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 (21 hours)

EET	110/L	Circuit Analysis I (3)
EET	122	Fundamentals of Programming with C/C++ (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)

One additional upper-division (300-/400-level) EET course (3)

DEPARTMENT OF PHYSICAL SCIENCES

Professors	William Andersen
	James Constantopoulos
	Juchao Yan
Assistant Professors	Oluniyi Fadare
	Myong Chul Koag
	Mhahabubur Rhaman
Instructor	Alaba Gabriel Idowu

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. **Course Descriptions begin on Page 158.**

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

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 (35 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)
AVS	303	FBO Management (3)
AVS	310	Contemporary Issues in Aviation (3)
AVS	320	FAA Regulations (3)
AVS	494	Senior Seminar (3)
AVS	489	Internship (3)

4. **Required courses in other areas (45-48 Hours)**

PSYC	1110*	Introduction to Psychology (3)
PSYC	2520	Research Methods and Statistics in Psychology (3)
PSYC	435	Cognitive Psychology (3)
BCIS	2217	MS Excel® (3)
BCIS	301	Information Systems for Managers (3)
BCIS	460	Project Management (3)
MATH	1220*	College Algebra (4)
		OR
MATH	1510*	Calculus 1 (4)
		OR
MATH	1430	Applications of Calculus 1 (3)
ENGL	2210*	Professional and Technical Communication (3)
		OR
ENGL	305	Report Writing (3)
MGMT	2110	Principle of Management (3)
MGMT	313	Organizational Behavior (3)
MGMT	435	Supervision & Management (3)
MGMT	439	International Management (3)
MGMT	475	Leadership and Organizational Change (3)
ECON	1110*	Survey of Economics (3)
BLAW	2110	Business Law (3)

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

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

MGMT	425	Training and Development (3)
BUS	305	Small Business Management and Entrepreneurship (3)
MKTG	430	International Marketing (3)
MKTG	419	Consumer Behavior (3)
BCIS	315	E-Business Strategy (3)
MKGT	325	Services Marketing (3)
MKGT	425	Marketing Management (3)

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.

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

MAJOR: APPLIED ARTS AND SCIENCE

CONCENTRATION: 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 43-45.**
   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 (31-34 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 (12 Hours)**

BCIS	2217	MS Excel® (3)
BCIS	460	Project Management (3)
		OR
MGMT	313	Organizational Behavior (3)
PSYC	2520	Research Methods and Statistics in Psychology (3)
PSYC	1110*	Introduction to Psychology (3)

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

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.

CHEMISTRY

The chemistry program has approval from the Committee on Professional Training (CPT) of the American Chemical Society (ACS). The program offers a B.S. degree in biochemistry and a B.S. degree in chemistry (both are ACS certified, no minor required). 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. The program chair certifies to the ACS that graduates of this program have met ACS recommended guidelines. Graduates are then eligible to receive a certificate from the American Chemical Society documenting this accomplishment. This is a mark of distinction that signifies a rigorous, broad-based preparation for employment in the chemical/molecular sciences and/or preparation or further graduate or professional education.

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 by the degree plan, and consultation with a chemistry advisor is recommended to plan for specific curriculum needs depending on student goals.

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 66.**

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 "Accelerated Undergraduate/Graduate Degree Program" in this catalog.

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)

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

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

ACS Certified

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 152.**
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	2120	Cellular and Molecular Biology (3)
BIOL	2610/L	Principles of Biology: Biodiversity, Ecology and Evolution (4)
BIOL	304	Genetics (3)
BIOL	306/L	General Microbiology (4)
MATH	1220*	College Algebra (4)
MATH	1230*	Trigonometry (3)
MATH	1510*	Calculus I (4)
PHYS	1230/L*	Algebra-based Physics I (4)
PHYS	1240/L*	Algebra-based Physics II (4)

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

6. **Complete a minimum of 120 hours.**
   Note: This major does not require a minor.

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

ACS Certified

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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 152.**
4. **Chemistry Course Requirements (22-23 hours)**

CHEM	321/L	Inorganic Chemistry (4)
CHEM	401/L	Biochemical Methods (2)
CHEM	411/L	Physical Chemistry/ Thermodynamics (4)
CHEM	412	Physical Chemistry/Quantum Mechanics (3)
CHEM	452	Biochemistry (3)
CHEM	453	Advanced Biochemistry (3)
CHEM	470	Investigative Problems (3-4)

5. **Required Courses in Related Areas (31 hours)**

BIOL	2110/L*	Principles of Biology: Cellular and Molecular Biology (4)
MATH	1220*	College Algebra (4)
MATH	1230*	Trigonometry (3)
MATH	1510*	Calculus I (4)
MATH	1520	Calculus II (4)
MATH	2530	Calculus III (4)
PHYS	1230/L*	Algebra-based Physics I (4)
PHYS	1240/L*	Algebra-based Physics II (4)

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

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 43-45.**
   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 152.**
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: Cellular and Molecular Biology (4)
BIOL	2120	Cellular and Molecular Biology (3)
BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2225/L	Human Anatomy and Physiology II (4)
BIOL	304	Genetics (3)
BIOL	306/L	Microbiology (4)
MATH	1220*	College Algebra (4)
MATH	1430	Applications of Calculus (3)
PHYS	1230/L*	Algebra-based Physics I (4)
PHYS	1240/L*	Algebra-based Physics II (4)

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

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 43-45.**
   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. **Teacher General Education Requirements (43 hours), see Page 62.**
3. **Chemistry Teaching Core Requirements (17 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)
CHEM	492	Undergraduate Seminar (1)

4. **Required Courses in Other Areas (30-31 hours)**

BIOL	2110/L*	Principles of Biology: Cellular and Molecular Biology (4)
BIOL	407	Teaching Methods in Science (3)
GEOL	1110/L*	Physical Geology (4)
MATH	1220*	College Algebra (4)
MATH	1350*	Introduction to Statistics (4)
MATH	1430	Applications of Calculus (3)
		OR
MATH	1510*	Calculus I (4)
PHYS	1230/L*	Algebra-based Physics I (4)
PHYS	1240/L*	Algebra-based Physics II (4)

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

5. **Professional Education Requirements (36 hours), see Page 66.**
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*	General 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)

Choose upper-division chemistry courses (with corequisite labs if required) from the following to total at least 20 hours:

CHEM	342/L	Organic Chemistry II (4)
CHEM	401/L	Biochemical Methods (2)
CHEM	407	Forensic Chemistry (3)
CHEM	411/L	Physical Chemistry/ Thermodynamics (4)
CHEM	412	Physical Chemistry/Quantum Mechanics (3)
CHEM	450/L	Instrumental Analysis (4)
CHEM	452	Biochemistry (3)
CHEM	453	Advanced Biochemistry (3)
CHEM/ENVS	454	Environmental Geochemistry (3)

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

SUBJECT MATTER ENDORSEMENT AREA

MINOR: GENERAL SCIENCE

LICENSURE: ELEMENTARY AND SPECIAL EDUCATION

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

1. **Required Courses (16 hours)**

BIOL	2110/L*	Principles of Biology: Cellular & Molecular Biology (4)
		OR
BIOL	2610/L*	Principles of Biology: Biodiversity, Ecology, and Evolution (4)
CHEM	1215/L*	Chemistry I for STEM Majors (4)
GEOL	1110/L*	Physical Geology (4)
PHYS	1230/L*	Algebra-based Physics I (4)

2. **Electives - TWO courses and corequisite labs from the following (8 hours):**

BIOL	2210/L*	Human Anatomy and Physiology I (4)
BIOL	2630/L	General Botany (4)
BIOL	301/L	Entomology (4)
GEOL	305/L	Mineralogy and Petrology (4)
		OR
GEOL	311/L	Stratigraphy and Sedimentation (4)

* Up to eight hours of science coursework taken as part of the Teacher General Education Requirements may apply to the endorsement. See advisor to assist with the selection of electives.

Accelerated Undergraduate/Graduate Degree Program

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section "Accelerated Undergraduate/Graduate Degree Programs" in this catalog.

ENVIRONMENTAL SCIENCE

The Bachelor of Science in environmental science is a composite program that draws mainly upon courses from biology, chemistry, and geology. 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 158.**

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

1. **Bachelor's Degree Requirements, see Page 43-45.**
   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/CHEM	454	Geochemistry (3)
ENVS	465	Senior Research Project (2)
GEOL	1110/L*	Physical Geology (4)
		OR
GEOL	1120/L*	Environmental 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)

4. **Required courses in related areas (48 hours)**

ANTH	410	Introduction to Geographic Information Systems (3)
		OR
BIOL	460	Landscape Ecology and GIS (3)
BIOL	1650/L*	Wildlife Biology (4)
		OR
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)
SOIL	2110	Soil Science (3)

Complete three hours of an upper-division Biology elective or ENGL 305 (3) Report Writing.

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

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

MINOR: GEOLOGY

Students who major in Environmental Science may not also minor in Geology.

Geology Course Requirements (22 hours)

GEOL	1110/L*	Physical Geology (4)
		OR
GEOL	1120/L*	Environmental 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)
ENVS/CHEM	454	Environmental Geochemistry (3)

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

DEPARTMENT OF PSYCHOLOGY AND POLITICAL SCIENCE

Professors Gary Bond
Leslie Gill
Associate Professor Steven Brust
Lassiter Speller

POLITICAL SCIENCE

Minors in Political Science and Legal Studies are available for students pursuing B.A. or B.S. degrees.

MINOR: POLITICAL SCIENCE (18 HOURS)

POLS	1120*	American National Government (3)
POLS	302	Constitutional Law (3)
POLS	307	Law and Morality (3)
POLS	311	Democracy in America (3)
POLS/COMM	330	Power Games: Politics and Media (3)
POLS	480	Political and Ethics Seminar (3)

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

MINOR: LEGAL STUDIES (18 HOURS)

Legal studies is a multi-disciplinary minor.

Course Requirements (18 hours)

BLAW	2110	Business Law and Ethics I (3)
COMM	1130*	Public Speaking (3)
POLS	1120*	American National Government (3)
POLS	302	Constitutional Law (3)
POLS	307	Law and Morality (3)
POLS	480	Politics and Ethics Seminar (3)

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

PSYCHOLOGY

Psychology offers the Associate of Arts, the Bachelor of Science, and the Bachelor of Arts degree in psychology.

The psychology program and its faculty devote themselves to four core ideals in the undergraduate major program:

1. Sustaining excellence in teaching and in research,
2. Emphasizing a strong liberal arts preparation for students to attain a position in the professional workforce or continue in advanced graduate study,
3. Developing students' cultural competence and diversity skills, and
4. Advancing psychological science.

Our primary goals are to help students realize their potential and be prepared upon graduation to continually adapt to a rapidly changing world. Upon declaring a major in psychology, all students should meet with a member of the psychology faculty immediately for advising. **Course Descriptions begin on Page 158.**

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

1. **Bachelor's Degree Requirements, see Page 43-45.** **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 43.** 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 (43 hours)**

PSYC	1110*	Introduction to Psychology (3)
PSYC	205	Writing and Careers in Psychology (3)
PSYC	2520	Research Methods and Statistics in Psychology (3)
PSYC	324	Social Psychology (3)
PSYC	350	Experimental Psychology (3)
PSYC	402	Abnormal Psychology (3)
PSYC	435	Cognitive Psychology (3)
PSYC	467	Physiological Psychology (4)
PSYC	484	Senior Seminar (3)

Developmental Foundations – choose one of the following:

PSYC	2120	Developmental Psychology (3)
PSYC	2130*	Adolescent Psychology (3)
PSYC	2140*	Child Psychology (3)
PSYC	300	Psychology of Adult Development (3)

Theoretical Foundations – choose one of the following:

PSYC	411	Theories of Personality (3)
PSYC	443	Theories of Psychological Counseling (3)

Upper-division Electives in Psychology (9 hours)
Must complete nine hours of PSYC electives, which must be upper-division (300-/400-level). Students may not use courses taken to fulfill psychology requirements toward meeting required areas to fulfill psychology electives.

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

4. Minor in a different field or a second major.

DEGREE: ASSOCIATE OF ARTS (A.A.)
MAJOR: PSYCHOLOGY

1. **Associate Degree Requirements, see Page 43.** **Note:** Students must successfully complete institutional requirements, FYEX 1110. 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 (21 hours)**

PSYC	1110*	Introduction to Psychology (3)
PSYC	2130*	Adolescent Psychology (3)
PSYC	2140*	Child Psychology (3)

Also complete 12 hours of PSYC electives.

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

4. **Electives to complete a minimum of 65 hours.**

MINOR: PSYCHOLOGY

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

Psychology Requirements (18 hours)

PSYC	1110*	Introduction to Psychology (3)
PSYC	2520	Research Methods and Statistics in Psychology (3)

Developmental Foundations – Choose one of the following:

PSYC	2120	Developmental Psychology (3)
PSYC	2130*	Adolescent Psychology (3)
PSYC	2140*	Child Psychology (3)
PSYC	300	Psychology of Adult Development (3)

Theoretical Foundations – Choose one of the following:

PSYC	411	Theories of Personality (3)
PSYC	443	Theories of Psychological Counseling (3)

Learning/Cognitive Foundations – Choose one of the following:

PSYC	302	Learning (3)
PSYC	435	Cognitive Psychology (3)

Social/Abnormal Foundations – Choose one of the following:

PSYC	324	Social Psychology (3)
PSYC	402	Abnormal Psychology (3)

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

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	2130*	Adolescent Psychology (3)
PSYC	2140*	Child Psychology (3)
PSYC	300	Psychology of Adult Development (3)

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

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

For current students interested in participating in an accelerated program that offers graduate coursework that applies to both undergraduate and graduate degrees, please see the section “Accelerated Undergraduate/Graduate Degree Programs” in this catalog.

2025-27 Eastern New Mexico University

Course Descriptions

ACCOUNTING (ACCT)

See Business Section

AGRICULTURE (AEEC/AG/AGRI/AGRO/ANCS/AXED/HORT/SOIL) – LOWER DIVISION

(AG 110 and 111, See PHED 1950)

(AG 210 and 211, See PHED 2950)

ACOM 1110 Introduction to Agricultural Communication (3) Students will learn about the history and theories of agricultural communications, be introduced to the degree program, explore careers in the field, and examine the role of media in agricultural communications. (S)

AEEC 1110 Introduction to Agricultural Economics and Business (3) (Formerly AG 252) Orientation to agricultural economics and business through the discovery process for the consumer in the food, fiber, and natural resource sectors of the global economy. The course will discuss the application of micro- and macro-economic principles as they relate to agricultural economics and business. (F)

AGRI 1110 Introduction to Agricultural Education (3) (Formerly AG 202) An introduction to teaching agriculture with emphasis on opportunities for graduates and expectations of the ENMU Teacher Education Program. Emphasis placed on history, pedagogy, and youth program organization. (S)

AGRI 1120 Introduction to Dairy (3) (Formerly AG 102) This course is designed to provide a basic understanding of the dairy industry, milk composition, production, marketing, dairy cattle breeding, feeding, housing and dairy farm management. (S)

AGRI 1210 Rural Buildings and Materials (3) (Formerly AG 275) This class will focus on introductory and advanced topics in building materials, fabrication, and project development. This class will also integrate aspects of the teaching of agriculture mechanics and supervising project development in a secondary school setting. Many of the skills learned within this class can be applied to tasks in the home. (Odd S)

AGRI 1220 Agricultural Power and Machinery (3) (Formerly AG 280) Advanced studies in mechanization skills for agricultural operations. Agricultural engines and theory of combustion, fuel systems, governor systems, and electric principles will be discussed. Introduction to agricultural machinery will be addressed. (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 six hours if topics are different.) (TBA)

AGRO 1110C Introduction to Plant Science (3) (Formerly AG 203) This is an introductory course for understanding plant science. Basic biological, chemical, and physical principles of various plants are covered. The focus of this course is on plants/crops used in agriculture production of food and fiber as well as pasture and range plants. Plant taxonomy and soil properties will also be discussed. (S)

ANSC 1110 Animal Science Careers (1) (Formerly AG 103) Introduction to scientific disciplines and career options in animal-agriculture career skill development, including resume preparation, networking, importance of internships, and leadership experiences in animal agriculture. (F)

ANSC 1120 Introduction to Animal Science (3) Survey of the livestock industry throughout the world. Basic management practices will be covered, including livestock selection, nutrition, reproduction, anatomy, and marketing to the consumer. This course will also discuss animal behavior and welfare. (F)

ANSC 2320 Principles of Animal Nutrition (3) (Formerly AG 250) This course is designed to provide an introduction to nutrients and their function in livestock animals. Basic feed identification, evaluation, and diet formulation will be discussed. The anatomy of the digestive tract of animals and their ability to utilize feedstuffs is presented. Classification, digestion, absorption, transport, and metabolism of major nutrients required by animals are studied. Prerequisite: ANSC 1120 or AGRI 1120. (F)

ANSC 2340 Genetics in Animal Science (3) (Formerly AG 260) Introduction to genetics and inheritance relative to livestock production. Introduction to procedures for collection and use of performance information in livestock improvement programs. (S)

AXED 2110 Metal Fabrication (3) (Formerly AG 231) Instruction and skill development in process and procedures of metal fusion, including gas and electric welding techniques, safety, and oxyacetylene cutting and welding. Designed to improve mechanical skills needed in agriculturally related occupations in education and industry. (F)

HORT 1110 Introduction to Horticulture (3) (Formerly AG 221) An introduction to principles and practices of horticulture as a science and its practical applications. Includes an introduction to plant anatomy, classification and identification, physiology, genetics, and propagation as they apply to horticulture. (F)

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)

AGRICULTURE (AG) – UPPER DIVISION

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 practicesm and principles used to control pest population. Prerequisites: AGRO 1110C, SOIL 2110. (F)

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. (Even S)

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. Fulfills Diversity/Global requirement. (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) This course is designed to provide equine industry management principles including breeds, anatomy, feeding nutrition, and health management. Prerequisite: ANSC 1120. (F)

AG 325 Animal Physiology (3) This course covers the normal body functions of mammals and their individual body systems including the nervous system, muscular system, cardiovascular system, digestive system, urinary system, reproductive system, and immune system. Prerequisite: ANSC 1120. (F)

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. (Even F)

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. (Odd S)

AG 348 Swine Production (3) This course focuses on how to raise swine in commercial and non-commercial settings through proper nutrition and management. Prerequisite: ANSC 1120. (Odd S)

AG 349 Small Ruminant Production (3) This course focuses on how to raise sheep and goats in commercial and non-commercial settings through proper nutrition and management. Prerequisite: ANSC 1120. (Even S)

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. (F)

AG 351 Beef Production (3) This course focuses on how to raise beef cattle in commercial and non-commercial settings through proper nutrition and management. Prerequisite: ANSC 1120. (Even S)

AG 370 Agricultural Systems Technology (3) Instruction and skill development on the latest agricultural equipment, software, and facilities. (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. (Even S)

AG 401 Shifting Paradigm to Sustainability in Agriculture (3) Comparing conventional methods of agriculture production to current sustainability practices. (F)

AG 405 Advanced Range Management (3) Ecological, economical, and management factors that preserve and utilize this natural resource. Prerequisite: AGRO 1110C. (Odd F)

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 Agricultural Science (3) Techniques for describing and analyzing data, estimation, correlations, hypothesis testing and analysis of variance. (S)

AG 415 Advanced Horticulture (3) Applies cutting-edge technology, hydroponics, plant genetics and greenhouse management. Prerequisite: HORT 1110. (S)

AG 421 Advanced Feeding and Nutrition (3) This course focuses on how to formulate diets for economically important livestock species and develop feeding strategies that prevent the occurrence of metabolic disorders in livestock. Prerequisite: ANSC 2320. (S)

AG 433 Veterinary Science (3) This course will focus on knowledge of veterinary science including tools, important terminology, common diseases, and practices. Prerequisite: AG 325. (F)

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. (S)

AG 468 Workshop in Agriculture (1-3) As announced. (May be repeated for a maximum of four hours if topics are different.) (TBA)

AG 480 Methods of Teaching Agriculture (3) Culminating department course in preparation for the teaching experience. Curriculum choice and development, national and state standards and benchmarks, teaching methods and techniques unique to agriculture. Prerequisite: Six hours completed in Teacher Education Program. (Odd S)

AG 489 Internship (3) Supervised work experience with approved public and private employers in agricultural business including banks, farm credit services, agriculture chemical firms, Soil Conservation Service, and other agencies. Prerequisite: consent of instructor and agency. This course is graded Pass/Fail. (May be repeated for a maximum of six credits with instructor approval.) (F, S, Su)

AG 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.)

AG 493 Topics in Agriculture (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

AG 494 Senior Seminar (1) Contemporary issues, professional opportunities, and responsibilities in agriculture. Prerequisite: completion of 20 hours in agriculture and declaration of either the major or minor or instructor approval. (S)

AMERICAN LANGUAGE AND CULTURE (ALC) – LOWER DIVISION

ALC 102 Foundations of English I (3) Instruction and practice in the use of novice (A1/A2) to intermediate-level (B1) 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 (B1/B2) to advanced-level (C1) 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.

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: Placement test or grade of "B" or higher in ALC 210.

ALC 290 TOEFL Preparation (3) Emphasis placed on listening comprehension, grammar and reading comprehension. Designed to develop specific areas of English and test taking skills, including the TOEFL exam. Course limited to non-native English speakers. Instructor approval required.

ALC 293 Topics in American Language and Culture (1-3) As announced. (May be repeated for credit.) Instructor approval required.

ANTHROPOLOGY (ANTH) – LOWER DIVISION

(ANTH/GEOG 103, See GEOG 1130)

(ANTH/GEOG 233, See Geog 1140)

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. (F)

ANTH 1120C Introduction to Archaeology Lecture and Lab (4) (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. (S)

ANTH 1135L Introduction to Biological Anthropology Laboratory (1) (Formerly ANTH 247L) This laboratory course expands 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. (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, Odd S)

ANTH 1190C Survey of Forensic Science (4) (Formerly ANTH/BIOL/CHEM 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 to covering the material in class, in order to help you 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 2130 Introduction to Forensic Anthropology (3) (Formerly ANTH/CJ 255) This course will introduce you to the field of forensic anthropology, its main concepts, and their application in the broader medico legal system. This will include discussion of the structure of the medico legal system, the organizational hierarchy of death investigation, the role and ethical responsibilities of the forensic anthropologist, and introduction to the information that is provided by anthropological analysis and the methods used to obtain this information, the importance of the chain of evidence, the role of expert testimony, the importance of research, and the steps of designing effective research projects. (F)

ANTH 2993 Workshop in Anthropology (1-3) As announced. (May be repeated for a maximum of six hours.) (TBA)

ANTH 2996 Topics in Anthropology (1-3) (Formerly ANTH 293) Varies. (TBA)

ANTHROPOLOGY (ANTH) – UPPER DIVISION

ANTH 300 – Museum Studies (3) This course provides an introduction to the history, purposes, transformations, social importance and internal workings of museums. It will cover relevant training for careers in the museum field, the importance of conducting academic investigations in the museum environment, and the ethical considerations inherent in preserving cultural heritage. Through academic readings and creative projects, students will explore the complexities of curatorial practices and exhibition design. (Odd F)

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 requirement. (F)

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 requirement. (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 requirement. (Even 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) Provides 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. Prerequisite: ANTH 1120C. (Even S)

ANTH 404 Human Osteology (3) The identification of bones of the human skeleton and their location to determine which side of the body a bone (or bone fragment) is from, develop knowledge of bone biology, and understand the ethics of working with human remains. Proper techniques for excavating burials, bone growth and development, and the importance of skeletal data in archaeological analyses also are covered. (Even F)

ANTH 410 Introduction to Geographic Information Systems (3) Introduces students to the theory and techniques of GIS including data capture and generation, management and analysis of spatial data, and cartographic output of spatial data. Emphasizes both GIS concepts and program operation. (Even F)

ANTH 411 Advanced Skeletal Analysis (3) 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. (Odd S)

ANTH 414 Ceramic Analysis (3) An introduction to the anthropologically significant questions that can be addressed by examining pottery, as well as the methods used by archaeologists to study ceramics including chronology, production, distribution, consumption, and discard. (Odd F)

ANTH 415 Ethnographic Methods (3) Introduction to ethnographic methods of anthropology emphasizing the connection between theory, research, and practice. Students will critically analyze research design and ethics (including the internal review process) specific to ethnographic research as well as practice ethnographic data collection and analysis. (Even F)

ANTH 418 Zooarchaeology (3) Hands-on identification and analysis of animal bones with a focus on archaeological and forensic applications. (Odd F)

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 1130 or ANTH 1140. (Odd F)

ANTH 442 Cultural Resource Management (3) A practical overview of the history of cultural resource management and how it is implemented in the United States, with development of knowledge and skill sets necessary for a career in CRM archaeology. (Even S)

ANTH 461 Archaeology of the Southwest (3) Southwest prehistory from the initial colonization until early European contact. Prerequisite: ANTH 1120C. (Odd S)

ANTH 468 Workshop in Anthropology (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

ANTH 482 Field School (3) Supervised field research in ethnology, archaeology, biological anthropology, or Paleo-environmental studies. This course is graded as S/U. Concurrent enrollment in ANTH 482L. Prerequisites: instructor approval; ANTH 1120C. May be repeated but applies only once ANTH elective credit in the major. (TBA Su)

ANTH 482L Field School Laboratory (1) This course is graded as S/U. Concurrent enrollment in ANTH 482. Prerequisites: instructor approval; ANTH 1120C. May be repeated but does not apply as ANTH elective credit in the major. (TBA Su)

ANTH 489 Internship (1-4) Practical experience working in an appropriate area of anthropology or forensic science with a cooperating agency or institution. Prerequisites: departmental and agency or institution approval. (May be repeated for a maximum of six hours.) (TBA)

ANTH 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) (TBA)

ANTH 492 Anthropological Theory (3) This course traces the development of anthropological method and theory as used in archaeology, cultural, and bioanthropological research, culminating with modern approaches and ethical considerations. Prerequisites: ANTH 1140, 1120C. (Even S)

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, ground stone, ceramics, faunal, historical, perishable, and museum display and curation. Prerequisites: ANTH 1140, 1120C. (Even S)

ANTH 497 Forensic Science Senior Seminar (1) Assessment will focus on student competence of current concepts/state of recent research within their chosen area of emphasis by preparing a final review paper and presentation within either Forensic Anthropology, Biology, or Chemistry. Grading is S/U. (S)

ANTH 499 Anthropological Writing (3) This capstone class provides advanced instruction on writing and practice in Anthropology and related fields. By the end of this course, students should be able to identify the structure and demonstrate competence in various genres of anthropological writing. Students will improve their academic writing through the completion of compositions in a variety of formats common to the discipline. This class emphasizes the development of good habits in the writing process including prewriting, drafting, editing, peer-review and revising. (Odd S)

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 14th 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 basic formal (esthetic), spatial, and physical aspects of 3D 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 231) 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 used include hand-building 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 introduces 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 3D subject on a 2D surface with visual accuracy. Other topics include historical and contemporary references as well as an investigation of linear perspective, line, value, shape, space and 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 1240, 1610. (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 Studio (1-3) (Formerly ART 268) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

ARTS 2996 Topics in Art Studio (1-3) (Formerly ART 293) As announced. (May be repeated for six credit hours if topics are different.) (Lab fee required.) (TBA)

ART (ARTH/ARTS) – UPPER DIVISION

ARTH 305 Global Art Histories (3) A comparative examination of histories and cross-cultural exchanges in art from a global perspective, including the arts of Africa, Asia, and the Pacific Islands, and the Americas. Fulfills Diversity/Global requirement. Prerequisite: ENGL 1120. (Odd S)

ARTH 364 History of Art III (3) An examination of modern and contemporary art and design (20th and 21st centuries) addressing pertinent issues in today's art world. Prerequisites: ARTH 2110, 2120. (F)

ARTH 367 History of Design (3) Examination of the history and development of design from pre-history through the 21st century. Prerequisites: ARTH 2110, 2120. (TBA)

ARTH 493 Topics in Art History (3) A focused study of a specific period, theme, or concept in art and design histories. Prerequisites: ARTH 2110, 2120, 364 (Even S)

ARTS 306 Watercolor Illustration (3) Introduction to watercolor techniques through illustration. Media focus will be watercolor. May be repeated for a maximum of nine credit hours. Repeating the course increases difficulty and may change the emphasis. (Lab fee required) Prerequisites: ARTS 1240, 1610. (S)

ARTS 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)

ARTS 312 Drawing Projects (3) Continuation of study and development of drawing skills. Students are required to generate their own projects and develop a personal viewpoint. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required.) Prerequisite: ARTS 2610. (F)

ARTS 314 Photography Projects (3) Continuation of study and development of photo skills. Students are required to generate their own projects and develop a personal viewpoint. (May be repeated for a maximum nine credit hours.) Repeating the course increases difficulty and may change the emphasis. Digital SLR required. (Lab fee required.) Prerequisite: ARTS 1410. (F, S)

ARTS 316 Ceramics Projects (3) Advanced ceramic course exploring the basics of hand-building, wheel throwing, form and function principles, clay making, glaze making, color and surface treatment. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required.) Prerequisite: ARTS 1310. (F, S)

ARTS 318 Jewelry Projects (3) Advanced techniques of art metalworking and jewelry making, which may include casting, bronze, blacksmithing, cast iron, lamp work and glass. (May be repeated for a maximum nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required.) Prerequisite: ARTS 1810. (F, S)

ARTS 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)

ARTS 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)

ARTS 326 Web Design I (3) Introduction to basic web design. Topics include esthetics, 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)

ARTS 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)

ARTS 328 Digital Editing (3) Exploration of digital imaging and editing. (Lab fee required.) Prerequisite: ARTS 1520. (S)

ARTS 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 2D visual elements is discussed to enhance artistic expression and conceptual impact. (Lab fee required.) Prerequisite: ARTS 1520. (F)

ARTS 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.) Prerequisite: ART 329. (S)

ARTS 340 Digital 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 1520. (F)

ARTS 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)

ARTS 407 Sequential Illustration (3) Exploration of sequential art and storytelling, as well as the history of comic art and leading creators. Assignments focus on comic strips, comic books, graphic novels and storyboarding for film. (May be repeated for a maximum of six credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required.) Prerequisite: ARTS 1520 or 1610. (TBA)

ARTS 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)

ARTS 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)

ARTS 419 Graphic Design Projects (3) An introduction to the conceptual development and prototyping of package design, environmental design, design for mobile devices and branding. Course explores the use of materials, type, image, and layout. (May be repeated for a maximum of nine credit hours.) Repeating the course increases difficulty and may change the emphasis. (Lab fee required.) Prerequisite: ARTS 2125. (S)

ARTS 423 Sculpture Projects (3) A further exploration of 3D art and art materials incorporating advanced design and material usage. May include 3D 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. (F)

ARTS 468 Workshop in Art (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

ARTS 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. (S)

ARTS 489 Internship in Art (3-12) Full-time supervised work in art for a public or commercial institution. Nine hours maximum during a summer semester; twelve hours maximum during a regular semester. Prerequisites: 3.00 GPA in the major, internship application, instructor approval. (TBA)

ARTS 491 Directed Study (1-6) Independent study. (May be repeated for a maximum of six hours.) Prerequisite: instructor approval. (TBA)

ARTS 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) A comprehensive exploration of the evolution of aviation, examining its economic, political, social, and cultural impact from its earliest beginnings to the present day. (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)

AVS 302 Airport Operations (3) An examination of airport operations management, including airfield systems, air traffic control, security, planning, capacity, and delays. (F)

AVS 303 FBO Management (3) An examination of the services fixed-base operators provide, including strategies for FBO marketing, financials, human resources, facilities and security. (S)

AVS 310 Contemporary Issues in Aviation (3) Explore current issues related to human factors and meteorology in aviation safety; examine the need for problem-solving and decision-making capabilities of aviation professionals. (F, S)

AVS 320 FAA Regulations (3) Procedural rules for airports, commercial carriers, flight schools, training centers, repair stations, air taxi and on-demand operators, administrative regulations, and aviation proceedings. (F, S)

AVS 468 Workshop in Aviation Science (1-3) As announced. (May be repeated for a maximum of six hours if topics are different).

AVS 489 Internship (3) For three credit hours, a student must be employed for a minimum of 20 hours per week during a regular semester and 40 hours per week during the summer semester. Prerequisite: Approval of the department internship committee.

AVS 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of three hours.) Prerequisite: instructor approval.

AVS 493 Topics in Aviation Science (1-3) As announced. (May be repeated for credit if topics are different.)

AVS 494 Senior Seminar (3) This capstone class offers students the opportunity to engage in high-level research focusing on issues within the aviation/aerospace industry. Students will complete a project addressing a specific problem within this field, providing substantial evidence of their experience in aviation and aeronautical studies. Prerequisites: PSYC 2520, senior standing in aviation and instructor's approval. (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 complements 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 1110. (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 related to 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 Biology (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. Students who have not had a science course in the past year may want to consider completing BIOL 1110/L before attempting this class. (F, S)

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 include introduction to the scientific process, chemistry of cells, organization of cells, cellular respiration, photosynthesis, cell division, genetics, DNA replication, transcription, and translation. Concurrent enrollment: BIOL 2110. (F, S)

BIOL 2120 Cellular and 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. Prerequisite: 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. BIOL 2110/L and 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. Concurrent enrollment: BIOL 2210. (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 (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. Concurrent enrollment: BIOL 2225. (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. Students who have not had a science course may want to consider completing BIOL 1110/L before attempting this class. (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 2610. (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, archaean, bacterial, protistan, fungal and plant evolution. Concurrent enrollment: BIOL 2630L. Prerequisite: 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 2630. Not required for Pre-Medicine emphasis students. (S)

BIOL 2993 Workshop in Biology (1-3) As announced. (May be repeated for a maximum of four hours if topics are different.)

BIOL 2996 Topics in Biology (1-3) As announced. (May be repeated for credit if topics are different.)

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. Prerequisite: BIOL 1650/L or 2610/L. (F)

BIOL 300L Invertebrate Zoology Laboratory (1) Concurrent enrollment: BIOL 300. (F)

BIOL 301 General Entomology (3) Morphology, biology, and ecology of insects. Concurrent enrollment: BIOL 301L. Prerequisite: BIOL 1650/L or 2610/L. (Even S)

BIOL 301L General Entomology Laboratory (1) Concurrent enrollment: BIOL 301. (Even S)

BIOL 303 General Ecology (3) Study of the interactions that determine the distribution and abundance of organisms, including physical and biotic factors, population dynamics, intraspecific and interspecific relationships, community structure, ecosystems, and landscapes. Concurrent enrollment: BIOL 303L. Prerequisite: BIOL 1650/L or 2610/L; MATH 1350 highly recommended. (F, S)

BIOL 303L General Ecology Laboratory (1) Concurrent enrollment: BIOL 303. Not required for Pre-Medicine emphasis students (F, S)

BIOL 304 Genetics (3) This general genetics course will cover the basic concepts of transmission (classical) genetics and molecular genetics. The course will cover an introduction to Genomics and Computational Biology. Concurrent enrollment: BIOL 304L. Prerequisites: BIOL 2110/L. (F, S)

BIOL 304L Genetics Laboratory (1) This genetics laboratory is designed for students to understand fundamental principles of genetics and basic methodology for genetic analysis through participating in laboratory investigations. Concurrent enrollment: BIOL 304. (F, S)

BIOL 305 Evolution and Systematics (3) Fundamentals of evolutionary processes and the interpretation of phylogenetic patterns. Prerequisite: 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. Prerequisite: BIOL 2110/L. CHEM 1215/L is strongly recommended. (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 F)

BIOL 411L Herpetology Laboratory (1) Concurrent enrollment: BIOL 411. (Even F)

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. Prerequisite: 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 425. (S)

BIOL 427 Developmental Biology (3) Biology and genetic control of reproduction and development of the embryo. Prerequisites: BIOL 2120, 304/L. (Even F)

BIOL 428 Advanced Cardiovascular Exercise Physiology (3) This course is designed as a detailed study of the structure and function of the human cardiovascular system during the stresses of exercise. The course will cover the fundamental understanding of normal physiological functions and adaptations to acute and chronic aerobic exercise in addition to resistance training. Students will learn clinical techniques for measuring cardiovascular function and potential changes associated with aging and some pathological conditions. Key information from anatomy, physiology, pathology, pharmacology, and clinical medicine is integrated into the discussions. This is an upper division/graduate course requiring an advanced understanding of several areas of science such as cardiovascular anatomy and physiology. Prior knowledge of human physiology would be useful. Prerequisites: BIOL 2210/L and BIOL 2225/L. Recommended: BIOL 424/L, HPE 313. (Even Su)

BIOL 429 Cellular and Molecular Physiology of Exercise (3) This course is designed as a detailed study of the molecular and cellular physiological adaptations to exercise. The first half of the course is designed to understand the changes in the architecture for the cell, cellular life span, and transfer of genetic signaling for protein production in an applied stress. The second half of the course is focused on the cell-specific changes to exercise, such as the cardiac myocyte, skeletal muscle cell and the blood cells. Prior knowledge of human physiology would be useful and a desire to understand the challenges that future clinicians may be confronted with when working with patients. No prerequisites are required; however, a background in biology or allied health related fields is highly recommended. (Odd Su)

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 Autonomic Nervous System (BIOL 433L). (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. 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. Prerequisite: BIOL 3040/L. Recommended: CSCI 1220 and CHEM 452. (Even S)

BIOL 435L Bioinformatics Laboratory (1) Concurrent enrollment with BIOL 435. (Even 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 436. (Odd S)

BIOL 441 Internship in Laboratory Instruction (3) Hands-on preparation, presentation, and evaluation of a biology laboratory. Involves close supervision and coordination with supervising faculty member. Prerequisites: 3.20 GPA, senior standing, departmental approval.

BIOL 442 Ornithology (3) Biology and classification of birds. Occasional field trips scheduled. Concurrent enrollment: BIOL 442L. Prerequisites: BIOL 1650/L or 2610/L, 2110/L. (Even S)

BIOL 442L Ornithology Laboratory (1) Concurrent enrollment: BIOL 442. (Even S)

BIOL 450 Virology (3) Characteristics, structure, identification, and clinical relevance of viruses. Prerequisites: BIOL 3040/L, 3060/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, 3030/L. (Even S)

BIOL 465 Senior Research (1-4) An independent, in-depth study of a biological problem. A finished paper (in standard research form), subject to review and approval by the discipline, is required. (May be repeated for a maximum of four hours.) Prerequisites: senior science major and instructor approval.

BIOL 468 Workshop in Biology (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

BIOL 489 Pre-professional Internship (1-3) Practical experience working in an appropriate area of biology with a cooperating external agency or institution. Prerequisite: departmental or agency approval. (May be repeated for a maximum of four hours.) (F, S, Su)

BIOL 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) (F, S, Su)

BIOL 492 Undergraduate Seminar and Assessment (1) Selected topics of biology and an assessment of learning over the biology curriculum. To be taken in the last semester of enrollment. (F, S)

BIOL 493 Topics in Biology (1-3) As announced. (May be repeated for credit if topics are different.)

BIOL 495 Biology Field Trip (1-3) Intersession, vacation, or summer session excursions to a variety of distant biological environments. Prerequisite: instructor approval.

BIOL 497 Forensic Science Senior Seminar (1) Assessment will focus on student competence of current concepts/state of recent research within their chosen area of emphasis by preparing a final review paper and presentation within either Forensic Anthropology, Biology, or Chemistry. Grading is S/U. (S)

BUSINESS

ACCOUNTING (ACCT) – LOWER DIVISION

ACCT 2110 Principles of Accounting I (Financial) (3) (Formerly ACCT 201) An introduction to financial accounting concepts emphasizing the analysis of business transactions in accordance with generally accepted accounting principles (GAAP), the effect of these transactions on the financial statements, financial analysis, and the interrelationships of the financial statements. MATH 1220 is recommended but not required. (F, S)

ACCT 2120 Principles of Accounting II (Managerial) (3) (Formerly ACCT 202) An introduction to the use of accounting information in the management decision-making processes of planning, implementing, and controlling business activities. In addition, the course will discuss the accumulation and classification of costs as well as demonstrate the difference between costing systems. Prerequisites: ACCT 2110; MATH 1220 or 1510 or 1520 or 2530 with a grade of "C" or higher. (F, S)

ACCT 2996 Topics in Accounting (1-3) (Formerly ACCT 293) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisites: ACCT 2110, 2120. (TBA)

ACCOUNTING (ACCT) – UPPER DIVISION

ACCT 305 Intermediate Accounting I (3) The study of accounting principles and procedures essential to the preparation of financial statements. Topics include the conceptual framework, current assets, inventory valuation, property, plant, and equipment, and intangible assets. Prerequisites: ACCT 2110, 2120. (F, S)

ACCT 306 Intermediate Accounting II (3) Continuation of ACCT 305. Valuation and reporting of liabilities, bonds, equity and earnings per share, revenue recognition, investments, income taxes, leases, and benefit plans. Statement of cash flows and statement analysis. Prerequisite: ACCT 305. (F, S)

ACCT 311 Cost Accounting (3) Accounting for costs of products and services; cost analysis and estimation; relevant costs for planning, controlling and decision making. Prerequisites: ACCT 2110, 2120; MATH 1350. (S)

ACCT 342 Governmental and Not-For-Profit Accounting (3) Fundamental principles, account classifications, financial statement preparation, and requirements of accounting relating to governmental-type entities and not-for-profit entities. Prerequisite: ACCT 305. (F)

ACCT 371 Income Tax Accounting: Individual (3) Federal income tax laws and regulations and related accounting problems; preparation of returns for individuals. Prerequisites: ACCT 2110, 2120. (F)

ACCT 400 Accounting Information Systems (3) Introduction to fundamentals of accounting information systems (AIS) with an emphasis on accounting data analytics and reporting in a computerized environment. Prerequisites: ACCT 2110, 2120. (F)

ACCT 403 Forensic Accounting (3) 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. Fraud examinations, services to value business and divorce assets, calculations of lost profits and damages to business property will be studied. Prerequisites: ACCT 2110, 2120. (TBA)

ACCT 421 Internal Auditing (3) Procedures and practices in the verification of amounts and records in the preparation of audit reports within the business entity. Prerequisite: ACCT 305. (TBA)

ACCT 422 Auditing (3) Standards for planning and conducting audits and other types of examinations of financial statements, working paper content and form, auditors' opinions on financial statements and ethics of the profession. Prerequisite: ACCT 306. (S)

ACCT 430 International and Advanced Accounting Concepts (3) Examination of the factors that cause accounting diversity internationally and the accounting for intercorporate investments, international transactions, and other advanced accounting topics using both U.S. GAAP and IFRS. Prerequisite: ACCT 306. (S)

ACCT 475 Income Tax Accounting: Corporations, Partnerships and Fiduciaries (3) Federal income tax laws and regulations; tax research applications; related accounting problems for partnerships, corporations, and fiduciaries. Prerequisite: ACCT 371. (S)

ACCT 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: ACCT 305; instructor, academic adviser, and dean approval. (F, S, Su)

ACCT 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisites: ACCT 306; instructor, academic adviser, and dean approval. (F, S, Su)

ACCT 493 Topics in Accounting (1-3) As announced. (May be repeated for a maximum of nine hours if topics are different.) Prerequisite: ACCT 306. (TBA)

BUSINESS (BUSA) – LOWER DIVISION

BUSA 1110 Introduction to Business (3) (Formerly BUS 151) Fundamental concepts and terminology of business including areas such as management, marketing, accounting, economics, personnel, and finance; and the global environment in which they operate. (TBA)

BUSA 2996 Topics in Business Administration (1-3) As announced. (May be repeated for a maximum of six credits if topics are different.) Prerequisite: instructor approval. (TBA)

BUSINESS (BUS) – UPPER DIVISION

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. Prerequisite: junior standing. Fulfills Diversity/Global requirement. (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. Fulfills Diversity/Global requirement. (F, S, Su)

BUS 380 Business Analytics (3) Applied business statistics and other techniques relevant to effective business decision making. Prerequisites: BCIS 2217 and MATH 1350. (F, S)

BUS 432 International Business Law (3) Analyzes the legal environment and problems facing international business and multinational corporations and surveys the major legal traditions around the world in an effort to allow students to understand the diversity of other cultures, as represented through their legal systems. 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. (TBA)

BUS 453 Business Strategy and Policy (3) The capstone course for seniors completing their B.B.A. degrees. Emphasis is on approach and methodology for strategic planning and policy development. Policy formulation and administration for the total organization involves integration of accounting, economics, finance, personnel and production management, and marketing competencies in decision processes. Prerequisites: final semester senior standing; BFIN 315; MGMT 330; 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 four hours.) Prerequisites: instructor, academic adviser, and dean approval. (TBA)

BUS 493 Topics in Business Administration (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval.

BUSINESS – INFORMATION SYSTEMS (BCIS) – 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 2217 MS Excel® II (3) This course provides an in-depth study of Microsoft Excel® spreadsheet software. Coverage includes integration of Excel® with other MS Office programs, using multiple worksheets/workbooks, what-if analyses, macros and forms, pivot tables and charts, and use of the Data Analysis Tool Pack. (F, S)

BCIS 2996 Topics in Business Computer Information Systems (1-3) (Formerly IS 293) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval. (TBA)

BUSINESS – 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, Su)

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 Cybersecurity (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. (F)

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 2310 for CSCI 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 CSCI 357 for CSCI majors). (S)

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 CSCI 357 for CSCI 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 four 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 six hours if topics are different.) Prerequisite: instructor approval. (TBA)

BUSINESS – 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 Business Finance (1-3) (Formerly FIN 293) As announced. (May be repeated for a maximum of six credits.) Prerequisite: instructor approval. (TBA)

BUSINESS – 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; 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 recommended but not required. (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 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. Prerequisite: BFIN 315. BFIN 317 is recommended but not required. (TBA)

BFIN 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. Prerequisite: instructor, academic adviser, and dean approval. (F, S, Su)

BFIN 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisites: instructor, academic adviser, and dean approval. (TBA)

BFIN 493 Topics in Finance (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval. (TBA)

BUSINESS – LAW (BLAW) – LOWER DIVISION

BLAW 2110 Business Law I (3) (Formerly BUS 230) Survey of the legal environment of business and common legal principles including: the sources of law, dispute resolution and the U.S. court systems, administrative law, tort law, contract law, agency and employment law, business structure and governance, ethics, and corporate social responsibility. Explores sources of liability and presents strategies to minimize legal risk. (F, S)

BLAW 2120 Business Law II (3) (Formerly BUS 317) Property, advanced contract law, debtor-creditor relations, bankruptcy, and Uniform Commercial Code topics including sales, negotiable instruments, secured transactions and documents of title. Prerequisite: BLAW 2110. (Odd S)

ECONOMICS (ECON) – LOWER DIVISION

ECON 1110 Survey of Economics (3) (Formerly ECON 200) This course will develop students' economics literacy and teach 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 Macroeconomic 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. (F, S)

ECON 2120 Microeconomic 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. (F, S)

ECON 2996 Topics in Economics (1-3) (Formerly ECON 293) As announced. (May be repeated for six credits if topics are different.) Prerequisite: instructor approval. (TBA)

ECONOMICS (ECON) – UPPER DIVISION

ECON 321 Intermediate Macroeconomics (3) Study of the nature, causes, measurement and forecasting of fluctuations of the macro economy. Prerequisites: ECON 2110, 2120. (F)

ECON 322 Intermediate Microeconomics (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. (S)

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. (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. (TBA)

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 four hours.) Prerequisites: instructor, academic adviser, and dean approval. (TBA)

ECON 493 Topics in Economics (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval. (TBA)

HOSPITALITY MANAGEMENT (HRTM) – LOWER DIVISION

HRTM 2996 Topics in Hotel, Restaurant, and Tourism Management (1-3) (Formerly HRTM 293) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval. (TBA)

HOSPITALITY MANAGEMENT (HRTM) – UPPER DIVISION

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 clubs and resorts. (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 esthetic values in development. (S)

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 four 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 six hours if topics are different.) Prerequisite: instructor approval. (TBA)

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 six hours if topics are different.) Prerequisite: instructor approval. (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 330 Production and Operations Management (3) An introduction to the design and analysis of operating systems in manufacturing and service organizations. Concepts focus on the transformation and distribution of economic factors of goods and services. Quantitative decision tools will be examined. Prerequisites: MGMT 2110; MATH 1220; MATH 1350. (F, S)

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. (TBA)

MGMT 442 Management and Society (3) This course exposes students to the important interaction between contemporary management practices and society at large. The course studies the philosophical debates surrounding ethics, justice, and power as applied to the institutional behavior of managers. Prerequisite: MGMT 313. (S)

MGMT 460 Advanced Production and Operations Management (3) This course provides students with an understanding of the advanced activities of managing production and operations (POM). POM profoundly affects 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: MGMT 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 four 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 six 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 MKT 293) As announced. (May be repeated for a maximum of six hours with instructor approval if topics are different.) Prerequisite: MKTG 2110. (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 professional 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 413 Digital Marketing (3) Examines the digital marketing strategies and practices that leverage digital channels, platforms, and technologies. Prerequisite: MKTG 2110. (S)

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. Prerequisites: MKTG 2110; MATH 1220. (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, and evaluation of communications efforts. Prerequisite: MKTG 2110. (F)

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 four 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 six hours if topics are different.) Prerequisite: instructor approval. (TBA)

PERSONAL FINANCIAL PLANNING (PFP) – LOWER DIVISION

PFP 2996 Topics in Personal Finance Planning (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval. (TBA)

PERSONAL FINANCIAL PLANNING (PFP) – UPPER DIVISION

PFP 310 Personal Finance (3) Relating to personal financial planning professional conduct, regulation, and principles. Financial planning and instruments such as insurance, mortgages, securities, and credit cards. Prerequisite: Junior standing. (F, S)

PFP 320 Business Risk Management and Insurance (3) Identification, measurement, and control of non-speculative risks of business and risk exposures such as: 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. Prerequisite: PFP 310 (may be taken concurrently). (F)

PFP 330 Investments: Principles and Policies (3) Investment practices and analysis; investment institutions; investment objectives, methods of analyzing risks and return; price relationships of securities; development of personal investment plans. Prerequisite: PFP 310 is strongly recommended but not required. (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 to achieve greater tax efficiency. Topics include fundamental and current tax law, income tax fundamentals and calculations, income taxation of trusts and estates, tax reduction/management techniques, property transactions, implications of special circumstances, charitable/philanthropic contributions, and deductions. Prerequisite: PFP 310 (may be taken concurrently). (F)

PFP 350 Retirement Planning (3) A foundation course in retirement planning. Topics include corporate and individual retirement plans, planning strategies to meet client goals, and retirement income management. Prerequisite: PFP 310 (may be taken concurrently). (S)

PFP 360 Estate Planning (3) Application of estate planning methodologies and policies to personal financial planning. Topics include property titling and beneficiary designations; transfer property; estate documents; estate tax implications; estate liquidity, estate trusts, deductions, and special circumstances. Prerequisite: PFP 310 (may be taken concurrently). (S)

PFP 410 Financial Plan Development (3) A capstone course where students demonstrate the ability to integrate, apply, and communicate knowledge of financial planning topics, as received through the curricula taught by CFP® Board-Registered Program. Prerequisites: PFP 310, 320, 330, 340, 350, 360. (S)

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 adviser for internship guidelines and specific requirements. Prerequisites: instructor, academic adviser, and dean approval. (F, S, Su)

PFP 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisites: instructor, academic adviser, and dean approval. (TBA)

PFP 493 Topics in Personal Financial Planning (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: instructor approval. (TBA

CHEMISTRY (CHEM) – LOWER DIVISION

(BIOL/ANTH/CHEM 125, See ANTH 1190)

(BIOL/ANTH/CHEM 125L, See ANTH 1190C)

CHEM 1110 Chemistry in Our Community (3) (Formerly CHEM 113) 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, to illustrate chemical principles, 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, SU)

CHEM 1110L Chemistry in Our Community Laboratory (1) (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, SU)

CHEM 1215 General Chemistry I for STEM Majors (3) (Formerly CHEM 151) This course is intended to serve as an introduction to General Chemistry for students enrolled in science, engineering, and certain preprofessional programs. Students will be introduced to several fundamental concepts, including mole, concentration, heat, atomic and molecular structure, periodicity, bonding, physical states, stoichiometry, and reactions. Concurrent enrollment: CHEM 1215L. Prerequisite: MATH 1220 or MATH 1230 or MATH 1510 or MATH 1520 or MATH 1430 with a grade of "C" or higher. (F, S)

CHEM 1215L General Chemistry I Laboratory for STEM Majors (1) (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)

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 theoretical 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. Concurrent enrollment: CHEM 1225L. Prerequisite: CHEM 1215/L. (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, chemical engineering, 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. Concurrent enrollment: CHEM 2310L. Prerequisites: CHEM 1225/L; MATH 1220 with a grade of "C" or higher. (S)

CHEM 2310L Quantitative Analysis Laboratory (1) (Formerly CHEM 233L) Techniques and approaches to quantitative chemical analysis. Concurrent enrollment: CHEM 2310. Prerequisite: CHEM 1225/L. (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. Concurrent enrollment: CHEM 321L. Prerequisite: CHEM 1215/L. (Odd F)

CHEM 321L Inorganic Chemistry Laboratory (1) Inorganic synthesis and analysis. Three hours laboratory per week. Concurrent enrollment: CHEM 321. Prerequisite: CHEM 1215/L. (Odd F)

CHEM 341 Organic Chemistry I (3) Hybrid orbitals, chemical bonds, functional groups, alkanes, stereochemistry, alkyl halides, alcohols and ethers and epoxides, NMR and IR and MS. Concurrent enrollment: CHEM 341L. Prerequisite: CHEM 1225/L. (F)

CHEM 341L Organic Chemistry I Laboratory (1) Three laboratory hours per week. Concurrent enrollment: CHEM 341. (F)

CHEM 342 Organic Chemistry II (3) Alkenes and alkynes, oxidation and reduction and organometallic reagents, conjugation and aromaticity and aromatic electrophilic substitution, aldehydes and ketones and nucleophilic addition reactions, carboxylic acids and their derivatives and nucleophilic acyl substitution reactions, carbonyl condensation reactions, amines. Concurrent enrollment: CHEM 342L. Prerequisite: CHEM 341/L. (S)

CHEM 342L Organic Chemistry II Laboratory (1) Three laboratory hours per week. Concurrent enrollment: CHEM 342. Prerequisite: CHEM 341/L. (S)

CHEM 401 Biochemical Methods (1) An integrated biochemical analysis laboratory covering protein crystallization, electrophoresis, protein over-expression, purification, and several biochemical assays. Concurrent enrollment: CHEM 401L. (S)

CHEM 401L Biochemical Methods Laboratory (1) Concurrent enrollment: CHEM 401. (S)

CHEM 407 Forensic Chemistry (3) Chemical analysis of drugs, toxicological samples, fire debris, explosive residues and trace evidence that is significant or might have been used in the commission of a crime. May not be used as a substitute for CHEM 450/L. Prerequisites: 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 1430. Recommended: PHYS 1240, MATH 1520 or 2530, and CHEM 2310/L. (S)

CHEM 411L Physical Chemistry Laboratory I (1) Prerequisite: CHEM 411 or concurrent enrollment (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 F)

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. Prerequisite: CHEM 2310/L. (Even F)

CHEM 450L Instrumental Analysis Laboratory (1) One three-hour laboratory meeting per week. Concurrent enrollment: CHEM 450. Prerequisite: CHEM 2310/L. (Even 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/ENVS 454 Environmental Geochemistry (3) Low-temperature 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. Prerequisite: CHEM 1215/L. GEOL 1110/L or GEOL 1120/L strongly recommended. (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 489 Pre-professional Internship (1-3) Practical experience working in an appropriate area of biochemistry, chemistry, and/or chemical engineering with a cooperating external agency or institution. Prerequisite: departmental or agency approval. May be repeated for a maximum of four hours. (F, S, Su)

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 and/or biochemistry 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.) (Odd F, Odd 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 497 Forensic Science Senior Seminar (1) Assessment will focus on student competence of current concepts/state of recent research within their chosen area of emphasis by preparing a final review paper and presentation within either Forensic Anthropology, Biology, or Chemistry. Grading is S/U. (S)

COMMUNICATION (COMM) – LOWER DIVISION

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) This course 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.) Prerequisite: 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 postproduction 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 255 Sports Writing (3) This course explores the principles and techniques of effective sports writing and reporting in various media platforms. Students will learn how to craft compelling narratives, conduct interviews, analyze sporting events, and report on athletes and teams. Emphasis will be placed on developing strong storytelling skills, understanding sports journalism ethics, and adapting writing styles for different audiences and platforms. (S)

COMM 256 Sports Commentary (3) This course will focus on the theory and practice of sports commentary across various media platforms. Students will study the art of providing insightful analysis, engaging commentary, and compelling storytelling in the context of live sports events. Students will learn the fundamentals of sports broadcasting including voice modulation, storytelling techniques, and on-air presentation skills. Emphasis will be placed on developing a unique voice as a sports commentator, mastering the use of statistics and analytics in commentary, and understanding the ethical considerations inherent in sports broadcasting. (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)

COMMUNICATION (COMM) – UPPER DIVISION

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 preproduction, production, and post-production. Includes script preparation, proper use of field equipment, non-linear editing, reporting and other areas. Cameras are 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; prerequisites are waived for only the minor. (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.) Prerequisite: 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 requirement. (Su)

COMM 311 Editing (3) Provides a comprehensive introduction to the principles of continuity editing for television, including pre-production, production, and non-linear postproduction; 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 research 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 Strategic Uses of Social Media (3) This course introduces students to the strategic uses of social media in public relations, advertising, and marketing. Social media have changed how organizations build and maintain relationships with key publics. This class will introduce students to important concepts relevant to industry careers in social media such as social media listening, strategic writing and planning, audience analysis, and social media campaigns. This class will also discuss important concepts for individuals' professional use of social media such as personal branding and influencer marketing. Further, the class will discuss important topics such as social media ethics as well as crisis, risk, and disaster communication on social media. The concepts learned in this class will help prepare students for careers representing themselves and organization in a strategic manner on social media. (Lab fee required.) (F)

COMM 315 Digital Media Analytics (3) Digital and social media have transformed the ways organizations use data to deliver services, project future trends, manage reputations, build relationships, and tackle crisis and risk communication. This course introduces students to digital and social media analytics that can be used to extract, analyze, and evaluate digital data for strategic communication. Digital media analytics help organizations track and monitor real time online conversations, build brand awareness and online reach, follow public sentiment, and analyze audiences to understand key consumer segments. This course will introduce students to important concepts related to data-driven communication and train students on analytics tools related to search engines, social media, and digital marketing. (Lab fee required.) (S)

COMM 327 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/POLS 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 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 requirement. (Su)

COMM 334 Persuasion and Social Influence (3) Provides a comprehensive introduction to research and theory on persuasion and considers its application in various communication contexts. Topics include attitude and belief change, message factors, reason action and behavior change, fear and humor appeals, narrative, elaboration likelihood model, dissonance, political persuasion, health campaigns, persuasion apply to advertising and marketing. (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 are 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.) (F, S)

COMM 360 (A-C) Journalism/Public Relations Practicum 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.) (F, S)

COMM 380 Nonverbal Communication (3) A survey course that provides a comprehensive introduction to nonverbal communication in interpersonal relationships by examining the roles that nonverbal behavior plays in communication practices such as friendship, intimacy, dominance, and persuasion. (Even S)

COMM 390 Rhetorical Theory (3) A survey course that traces, explores and investigates rhetorical concepts and theories in the Western tradition, from Ancient Greece to present day. Prerequisite: COMM 300. (Odd S)

COMM 401 Editorial Writing (3) Techniques of editorial writing with an emphasis on logical thinking; writing and researching editorials; interpreting the news for print, broadcast, and online media; and practice writing reviews and criticisms. (Lab fee required.) (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.) 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 are 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 (2) Emphasis on the preproduction, production, and postproduction 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 450 Integrated Communication Campaign (3) This course examines the theories and techniques of integrated communication, including public relations, advertising, marketing, sales promotions, and personal selling. Students will explore how all forms of communication work toward organizational and client objectives, and how those contribute to organizational and client brand. The course will include the development of marketing strategies as well as tactical communication pieces. (S)

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 six hours can be applied to major. Prerequisite: 3.00 GPA. Internship application must be completed the semester prior to the internship. (F, S, Su)

COMM 491 Directed Study (1-3) Independent study. May be repeated for a maximum of six hours with permission of department chair. Prerequisite: instructor approval. (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)

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. (Even F)

CDIS 2993 Workshop in Communicative Disorders (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Workshops are designated for Satisfactory/ Unsatisfactory grading.

CDIS 2996 Topics in Communicative Disorders (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

SIGN 1110 American Sign Language I (3) 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) 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) Advanced course on the structure and function of the speech and hearing mechanisms including respiration, phonation, articulation, resonation, hearing, and neurology. (F, S, Su)

CDIS 301 Survey of Communicative Disorders (3) Normal processes of speech, language, and hearing across the lifespan; overview of the anatomy and physiology of the speech and hearing mechanism; major types of speech, language and hearing disorders; implications for future speech and hearing clinicians, teachers and others; related professional problems, services and organizations. (F, S, Su)

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. (F, S, Su)

CDIS 310 Phonetics/Phonology (3) The study of phonetics; the anatomical positions, physiological 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, Su)

CDIS 311 Articulation/Phonology (3) Anatomy/physiology, development, characteristics, causes, assessment, diagnosis, and treatment of articulation and other speech disorders in children and adults; specific emphasis on clinical management and therapeutic intervention techniques. Prerequisite: CDIS 310. (F, S, Su)

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. Fulfills Diversity/Global requirement. (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 members of specific culturally and linguistically diverse groups. (F)

CDIS 324 Literacy Development and Disorders (3) As an introduction to literacy, this course examines the relationship between language and literacy development. Topics covered include acquisition of language and literacy skills, risk factors associated with reading and writing problems, preventative strategies related to development, and elements of reading and written language instruction. (S)

CDIS 325 Literacy Assessment and Intervention (3) An extension of CDIS 324, this course examines the speech-language pathologist's role in literacy assessment, intervention, and collaborative practice. Topics covered include the theoretical foundations of literacy acquisition, approaches to literacy instruction, and integration of literacy instruction into speech/language therapy. Prerequisite: CDIS 324 recommended. (Su)

CDIS 330 Communication Development and Language Science (3) 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/hearing development. Language science emphasized with language sample coding required; physical, cognitive, and social development as related to speech and language acquisition/organization. (F, S, Su)

CDIS 332 Language Science and Disorders (3) Development, characteristics, causes, assessment, diagnosis, and treatment of language disorders in children and adolescents; language sample coding required; Specific emphasis on clinical management and therapeutic intervention techniques. Prerequisite: CDIS 330. (F, S, Su)

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. CDIS 300 is recommended but not required. (F, S, Su)

CDIS 350 Neurodiversity 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 other populations addressed, specific emphasis on clinical management and therapeutic intervention techniques. (S)

CDIS 353 Voice and Fluency (3) Anatomy/physiology, characteristics, causes, assessment, diagnosis and treatment of voice and fluency disorders in children and adults; specific emphasis on clinical management and therapeutic intervention techniques. (S)

CDIS 400 Speech and Hearing Science (3) Introduction to the study of the physics of sound (acoustics) as it relates to human speech and hearing. Topics include sound generation, transmission, wave analysis, manipulation, and measurement using instrumentation and computer applications. In addition, perceptual correlates of sound and auditory perception will be addressed related to the process of hearing and hearing measurement. Prerequisite: CDIS 300. (F, 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. (F, 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; specific emphasis on clinical management and therapeutic intervention techniques. Prerequisite: CDIS 342 is recommended but not required. (F, S, Su)

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; specific emphasis on clinical management and therapeutic intervention techniques. Concurrent enrollment: CDIS 441L. Prerequisites: CDIS 311, 332. (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 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 two 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 two 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, S, 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, S, Su)

CDIS 460 SLPA Administrative Competencies and Service Delivery Issues (3) Scope of service, licensure, ethics, professionalism, health and safety, service delivery models, cultural competence, team collaboration, and supervision issues for the speech-language pathology assistant; rules and regulations for practice in educational, clinical, and medical settings; patient confidentiality, HIPAA/FERPA, and other legal considerations for practice/telepractice. Students will learn to observe and document behaviors, collect data, and report progress. Competency development for practice in education, clinical, and medical settings. (F, S)

CDIS 468 Workshop in Communicative Disorders (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Workshops are designated for S/U grading.

CDIS 473 Swallowing and Neurogenic Communication Disorders (3) Anatomy/physiology, characteristics, causes, assessment, diagnosis, and treatment of swallowing and neurogenic communication disorders in children and adults (e.g., aphasia, dysarthria, apraxia, right hemisphere disorder, traumatic brain injury, cog-comm, dementia, and dysphagia); the effects of aging on communication systems will be reviewed; specific emphasis on clinical management and therapeutic intervention techniques. (Su)

CDIS 478 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, and style and mechanics will be explored. Editing and clinical applications emphasized. Significant analytical term report required. (F, S, Su)

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 484 Introduction to Telepractice and Clinical Issues (3) This course is designed to provide a general overview of telepractice along with clinical issues that impact the practice of Speech-Language Pathology and Audiology. Topics that will covered include an introduction to the diverse settings where speech-language pathologists (SLPs) and audiologists practice, the basic structure and clientele of the practice settings, challenges that SLPs and audiologists may encounter when working with culturally diverse clients, and the roles of SLPs and audiologists within these various settings. Clinical supervision, ethics, and post-graduation preparation will also be presented. (F)

CDIS 485 SLPA Fieldwork in Educational Settings (1) Supervised fieldwork for the AS in SLPA. Hours must be completed under the supervision of a certified speech-language pathologist. Grading is S/U. (May be repeated for a maximum of nine credits.) Fieldwork hours accrued cannot be used to satisfy clinical practicum clock hour requirements as specified for ASHA certification. (F, S, Su)

CDIS 486 SLPA Fieldwork in Medical Settings (1) Supervised fieldwork for the AS in SLPA. Hours must be completed under the supervision of a certified speech-language pathologist. Grading is S/U. (May be repeated for a maximum of nine credits.) Fieldwork hours accrued cannot be used to satisfy clinical practicum clock hour requirements as specified for ASHA certification. (F, S, Su)

CDIS 487 SLPA Fieldwork in Private Practice and Other Settings (1) Supervised fieldwork for the AS in SLPA. Hours must be completed under the supervision of a certified speech-language pathologist. Grading is S/U. (May be repeated for a maximum of nine credits.) Fieldwork hours accrued cannot be used to satisfy clinical practicum clock hour requirements as specified for ASHA certification. (F, S, Su)

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 will be dependent on the hours completed and supporting academic assignments. Grading is S/U. (May be repeated for a maximum of six 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; advisor, 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 four hours in each area.) Prerequisite: instructor approval. A. Audiology; B. Speech pathology.

CDIS 493 Topics in Communicative Disorders (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

COMPUTER SCIENCE (CS) – 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, S)

CSCI 1210 Computer Programming Fundamentals (4) (Formerly CS 123) This course is an introduction to problem-solving methods and algorithm development. Students will learn how to design, code, debug, and document programs. Students will explore basic programming concepts including variables, data types, operators, and expressions. Students will learn about input/output mechanisms, including command prompt interaction, and reading and writing data to files. Students will be introduced to control structures such as branching, conditionals, iteration, and loops and arrays. They will also learn how to define and use functions/methods to structure code and improve code reuse. Prerequisite: CSCI 1220 or MATH 1220 or placement.

CSCI 1220 Computer Programming Fundamentals: Python (3) (Formerly CS 120) This course is an introduction to fundamental programming concepts, with a focus on problem solving techniques and algorithm development using the Python programming language. Students will learn how to create basic scripts, work with data types and variables, use control structures, and build functions. The course is designed for students with little or no prior experience in programming and is intended to provide a foundation in programming that can be applied in a variety of fields. (F)

CSCI 2210 Object-oriented Programming (4) (Formerly CS 234) This course is an introduction to object-oriented programming. Including: classes and objects, and associated topics such as constructors, properties, and methods, inheritance, polymorphism, encapsulation, abstraction, exception handling and best practices. Prerequisite: CSCI 1210. (F)

CSCI 2310 Discrete Mathematics for Computer Science (3) (Formerly CS 220) Discrete mathematics required for Computer Science, including topics such as the basics of logic, number theory, methods of proof, sequences, mathematical induction, set theory, counting, and functions. Prerequisite: MATH 1220. (F)

CSCI 2993 Workshop in Computer Science (1-3) (Formerly CS 268) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

CSCI 2995 Cooperative Education in Computer Science (1-3) (formerly CS 288) Practical experience at a cooperating institution. Prerequisite: instructor approval. (TBA)

CSCI 2996 Topics in Computer Science (1-3) (Formerly CS 293) As announced. (May be repeated for credit if topics are different.) (TBA)

COMPUTER SCIENCE (CS) – UPPER DIVISION

CSCI 301 Programming Language Concepts (3) (Formerly CS 301) General concepts underlying the design and implementation of programming languages. Introduction to programming paradigms. Prerequisite: CSCI 1210. (F)

CSCI 334 Web Application and Development (3) (Formerly CS 334) This course covers fundamentals of web applications and development, including common web protocols and standards. Topics include HTML, CSS, and development using JavaScript. Prerequisite: CSCI 2210. (Odd S)

CSCI 357 Data Structures (3) (Formerly CS 357) Specification, implementation, and analysis of linear and tree structures. Prerequisite: CSCI 2210. (S)

CSCI 359 Database Design and Programming (3) (Formerly CS 359) 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: CSCI 2210. (Odd S)

CSCI 361 Introduction to Computer Architecture (3) (Formerly CS 361) This course introduces fundamental concepts of computer architecture. It covers processor design, memory systems, performance measurement, and assembly programming. Students will gain practical experience by working on a semester-long project in C/C++ programming, which involves creating software that simulates architectural features and behavior for performance evaluation. Prerequisites: EET 122, CSCI 2210. (Even F)

CSCI 401 Introduction to Compilers (3) (Formerly CS 401) This course introduces fundamental concepts and techniques in designing and implementing compilers. It covers finite automata, regular expressions, context-free grammars, lexical analysis, parsing, and the construction of compiler components. Students will gain practical experience by working on a term project in C/C++ programming, which involves creating the various components of a compiler. Prerequisites: CSCI 301. (Even F)

CSCI 440 Computer Networks (3) (Formerly CS 440) This course is an introduction to the theory and practice of computer networks, the software protocols that allow them to operate, and the applications that make use of them. Topics covered include direct-link networks, packet switching, internetworking, end-to-end protocols, network applications, and network security. Prerequisite: CSCI 2210. (Odd F)

CSCI 451 Design and Analysis of Algorithms (3) (Formerly CS 451) 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: CSCI 2310, CSCI 357. (Even S)

CSCI 460 Introduction to Applied Machine Learning (3) (Formerly CS 460) This is an introductory course on practical machine learning. The course will present an overview of unsupervised and supervised learning concepts. Topics include classification, regression, clustering, and classical methods and algorithms such as linear regression, neural networks, and ensemble approaches. The course focuses on applying machine learning techniques using the Python programming language in different application domains. Prerequisite: CSCI 357. (Even S)

CSCI 461 Operating Systems (3) (Formerly CS 461) Theory of operating systems. Topics include processes, file systems, memory management and I/O. Prerequisites: CSCI 361. (Odd S)

CSCI 468 Workshop in Computer Science (1-3) (Formerly CS 468) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

CSCI 472 Software Engineering (3) (Formerly CS 472) 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: CSCI 2210. (Even S)

CSCI 488 Cooperative Education (1-3) (Formerly CS 488) Practical experience at a cooperating institution. Prerequisite: instructor approval. (TBA)

CSCI 491 Directed Study (1-3) (Formerly CS 491) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval. (TBA)

CSCI 493 Topics in Computer Science (1-3) (Formerly CS 493) As announced. (May be repeated for credit if topics are different.) (TBA)

CRIMINAL JUSTICE (CJUS) – LOWER DIVISION

(CJ/ANTH 255, See ANTH 2130)

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 (3) (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 ensure 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 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 six hours if topics are different.) (TBA)

CJUS 2996 Topics in Criminal Justice (1-3) (Formerly CJ 293) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

CRIMINAL JUSTICE (CJUS) – UPPER DIVISION

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 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. Fulfills Diversity/Global requirement. (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 Counterterrorism (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)

CJUS 468 Workshop in Criminal Justice (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: CJUS 1110. (TBA)

CJUS 489 Internship (1-4) Extension of academic experience to an organizational setting within a criminal justice or social/community services agency; 90-200 hours of work-related experience under agency supervision. Prerequisites: junior or senior standing; agency and instructor approval. (F, S, Su)

CJUS 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: CJUS 1110. (TBA)

CJUS 493 Topics in Criminal Justice (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: CJUS 1110. (TBA)

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. Even Fall online, Odd Fall in person. (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. This course provides skills that become the foundation of culinary learning on which students build a lifetime of culinary learning. (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 an on-campus program. 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 fundamental baking techniques and principles and bakeshop ingredient functions. Topics covered include quick breads, yeast breads, cookies, pies, and basic cakes. (F)

CA 170 Catering and Events I (3) This course prepares students for entry-level positions in event planning and catering companies, banquet facilities, hotels, and convention centers. Students gain practical experience in food safety and sanitation, food production, menu development, developing a catering business plan, client meeting techniques, and contract creation. (F, S)

CA 204 Culinary Essentials II (3) A continuation of CA104. 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. Prerequisite: CA 104. (S)

CA 210 Foods of the World (3) (Formerly CA 410) This course explores a variety of cuisines from around the world, including foods from Central and South America, and Africa. Students will explore the relationship and influence of foreign cuisine on today's more popular ingredients and dishes. (Odd F)

CA 220 Applied Culinary Skills II (3) A continuation of CA 120. Students will be introduced to the management principles of foodservice. Learning outcomes will include menu planning, portion control and adherence to customer specifications. (S)

CA 225 Intermediate Baking and Pastry (3) A continuation of CA 125. This course is a study of advanced baking principles for bread, pastries, and other desserts. After completing this course, students will understand the fundamentals of baking and pastry arts and be able to follow recipes and use techniques to produce a wide variety of restaurant-quality baked goods in a commercial setting. Prerequisite: CA 125. (Even S)

CA 270 Catering and Events II (3) This course prepares students for entry-level positions in event planning and catering companies, banquet facilities, hotels, and convention centers. Students gain practical experience in food safety and sanitation, food production, menu development, developing a catering business plan, client meeting techniques, and contract creation. (Even F)

CA 275 American Cuisine (3) (Formerly CA 375) 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)

CULINARY ARTS (CA) – UPPER DIVISION

CA 300 History of Cooking (3) This course examines the role of food in shaping human history from ancient times to the modern era. Attention is given to the impact that culture and society have had on food through time. (Su)

CA 325 Cakes and Confections (3) A continuation of CA 225. Students in this course will master advanced cake techniques, including tiered cakes, fondant, gumpaste, icing and flowers and traditional buttercreams. (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, and other traditional garde manger methods. (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 Special Diets (3) Special diet cuisine focusing on culinary and dessert preparations utilizing grains, beans, plant proteins, vegetables, and dairy. This course emphasizes meal preparations for special diets. (Odd S)

CA 370 Catering and Events III (3) This course prepares students for entry-level positions in event planning and catering companies, banquet facilities, hotels, and convention centers. Students gain practical experience in food safety and sanitation, food production, menu development, developing a catering business plan, client meeting techniques, and contract creation. (F, S)

CA 450 Classical French Cuisine (3) Students will produce the classical dishes of Grande Cuisines, Cuisine Classique and Nouvelle Cuisine, 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) This course covers the fundamentals concepts, skills and techniques involved in Asian cookery. Special emphasis is given to the cuisines of China, Japan, India, Thailand, Vietnam, Korea, and the Philippines. (Even F)

CA 470 Catering and Events IV (3) This course prepares students for entry-level positions in event planning and catering companies, banquet facilities, hotels, and convention centers. Students gain practical experience in food safety and sanitation, food production, menu development, developing a catering business plan, client meeting techniques, and contract creation. (F, S)

CA 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) (F, S, Su)

CA 493 Topics in Culinary Arts (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

CA 496 Culinary Arts Internship (3-6) 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)

DANCE (DANC) – LOWER DIVISION

DANC 1110 Dance Appreciation (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 esthetics. (F, S)

DANC 1130 Ballet I (2) (Formerly DNC 210F) This course is the beginning level of ballet technique. Students learn the basic fundamentals and performance skills of ballet technique, which may include flexibility, strength, body alignment, coordination, range of motion, vocabulary, and musicality. (TBA)

DANC 1150 Modern Dance I (2) (Formerly DNC 210E) Modern Dance techniques and styles. Students are introduced to proper warm-up techniques, body alignment, control, and flexibility. Students work with various rhythms and combinations of movements. The course emphasizes dance technique and creative experience. The history, terminology and philosophy of Modern Dance are also discussed. (TBA)

DANC 1160 Jazz I (2) (Formerly DNC 210A) This course is for students with a basic knowledge of dance technique. They work to attain muscle control and strength as well as increased flexibility. Further awareness of proper body alignment for injury prevention is emphasized. Jazz choreography, style and terminology are taught at a secondary level. (TBA)

DANC 1161 Tap Dance I (2) Introduction to skills and techniques of tap dance. May be repeated for a maximum of two credits. (TBA)

DANC 1225 Ballroom Dance (2) In this course, you will learn Bronze Level figures in the American Style Ballroom Dances: Foxtrot, Waltz and Tango as well as develop the proper posture, footwork and dance etiquette needed to be successful on the social dance floor. A brief historical background of each dance form will be presented. Skill development will be sequential and cumulative. Review of previous instruction will generally precede introduction to new material. Students will practice with partners on a rotational basis, affording everyone the opportunity to experience new partners and dancing styles. (TBA)

DANC 1460 Dance for Musical Theatre I (2) This course provides students with an understanding of the Tap and Jazz Dance technique for use in Musical Theatre and other performance genres at the beginning level. This course is designed for students to gain knowledge and understanding of Tap and Jazz Dance as art forms. (TBA)

DANC 2993 Workshop in Dance (3) As announced. (May be repeated for credit if topics are different.)

DANCE (DANC) – UPPER DIVISION

DANC 410 Styles in Dance (2) Basic styles of selected dance forms. A. jazz; B. theatrical; C. tap; D. ballroom; E. modern; F. ballet. (S)

DANC 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval. (TBA)

DANC 493 Topics in Dance (3) As announced. (May be repeated for credit if topics are different.) (TBA)

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 1410 Audio Production I (3) Students will learn about and apply essential tools and techniques in analog and digital audio production. Topics include acoustic science, microphones, recording and mixing techniques, analog and digital audio hardware, and software, including multi-track, computer-based recording and editing systems. (F)

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 1555 Introduction to the Creative Media Industry (1) This class is an introductory course for students who are beginning their understanding of media and how it affects them and our society. It offers a broad-stroked view of the entire industry including marketing, production, history, jobs, design, architecture, new media literacy, and industry standards. Students will listen to experts in the field, get involved in open discussions about the industry and use new information to complete hands-on individual and group assignments. (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 postproduction. 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. Through viewing and analysis of a variety of narrative, documentary, and experimental films, students will advance their understanding of key issues in filmic representation and esthetics. A range of approaches will be employed in understanding the esthetic and cultural significance of the medium, including feminism, postcolonialism, 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 2311 History of Animation (3) Explores the history of animation as an art form and industry through readings, screenings, lectures, and periodic guest speakers. (Even S)

FDMA 2710: Beginning 2D Animation (3) Students will learn the basics of digital 2D animation by working through a variety of exercises, creating an original storyboard, and animating five or more shots utilizing industry standard software. (F, S)

FDMA 2996 Special Topics in Film and Digital Media Arts (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. Fulfills Diversity/Global requirement. (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) Esthetic and editorial issues through the use of editing software to add sound to video. Emotional/symbolic values of sound, issues of timing, dialogue replacement, collaborating with others such as composers, sound effect and Foley artists, and postproduction workflow. Prerequisite: FDMA 1410. (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. May be taken twice for credit. 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. May be taken twice for credit. 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 419 2D Animation Projects (3) Building upon the materials covered in Beginning 2D Animation, this course will focus on the development of more advanced two-dimensional animation techniques and apply them to increasingly challenging assignments. Collaboration, animating within digital formats, as well as proficiency in visual storytelling, timing and craftsmanship will be emphasized. May be repeated for a maximum of nine (9) credit hours. Repeating the course increases difficulty and may change the emphasis. Prerequisite: FDMA 2710 Beginning 2D Animation. (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 479 Senior Project (3) A documented production or research project chosen by the student; must be approved and graded by a committee of at least three faculty who will be responsible for providing guidance and awarding a grade (Fee required.) (F, 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 F)

FDMA 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of six hours.) (TBA)

FDMA 493 Topics in Filmmaking (1-3) As announced. (May be repeated for credit if topics are different.) (Fee required.) (TBA)

ECONOMICS (ECON)

See Business Section

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 six hours in BLED 2996 and 493 if topics are different.)

BILINGUAL EDUCATION (BLED) – UPPER DIVISION

BLED 334 Methods and Materials for Bilingual Education (3) Identification and evaluation of methods and materials currently used in bilingual education programs. Field experience required: Ten hours. (S)

BLED 350 Cultural and Linguistic Pluralism (3) Critical exploration of the historical and social contexts of cultural and linguistic pluralism in the public schools; ESL methods and practices included. Field experience required: Ten hours. Prerequisite: admission to Teacher Education Program. (F, S)

BLED 380 ESL Methods and Materials (3) Identification and evaluation of methods and materials currently used in the teaching of English as a Second Language. Prerequisite: BLED 2110. (Odd S)

BLED 405 Literacy and the Bilingual Child (3) Acquisition of literacy skills by students whose dominant language is other than English. (F)

BLED/RED 438 Language Arts and ESL (3) Development of listening, speaking, reading, and writing skills within a language arts program for bilingual students utilizing current practices and research, including structured literacy. (S)

BLED 440 Linguistics for Educators (3) An introduction to explore linguistics from scientific and educational perspectives. A strong focus on the development of language, the evolution of language, and the acquisition of second and subsequent languages will be related to public school classrooms and information teachers need in order to enhance language development through classroom instruction. (TBA)

BLED 468 Workshop in Bilingual Education (1–3) As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

BLED 490 ESL Strategies in Content Areas (3) The development and incorporation of English as a Second Language materials and practices for instruction in the content areas. Prerequisite: admission to Teacher Education Program. (S)

BLED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours if topics are different.) Prerequisite: instructor approval.

BLED 493 Topics in Bilingual Education (1-3) As announced. (May be repeated for a maximum of six hours in BLED 2996 and 493.)

CAREER AND TECHNICAL EDUCATION (CTED)

CTED 301 CTE Foundations (3) Career and technical education history, philosophy, policies, goals and objectives, and student organizations. (F)

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)

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. Prerequisite: 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. Fulfills Diversity/Global requirement. (F, S, Su)

CTED 401 CTE Leadership (3) Leadership theories in education and their applications of teaching and learning in career and technical education. (S)

CTED 468 Workshop in CTE (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

CTED 480 Methods of Teaching CTE (3) Teaching methods, instructional strategies, classroom management and assessment in career and technical education. Prerequisite: CTED 303 or instructor approval. (S)

CTED 481 Supervised Classroom Internship (6) Observation and teaching under supervision in a secondary school, community or technical college, or business and industry training environment. Prerequisite: CTED 480 or instructor approval. (F, S, Su)

CTED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.)

CTED 493 Topics in CTE (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

EARLY CHILDHOOD EDUCATION (ECED) – LOWER DIVISION

ECED 1110 Child Growth, Development, and Learning (3) (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)

ECED 1115 Health, Safety, and Nutrition (2) (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. The course examines the many scheduling factors that are important for children's total development, healthy nutrition, physical activity, and rest. (S)

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 Teacher Education Program. (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 Teacher Education Program. (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 and 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 and Implementation: Age 3 (Pre-K) through Grade 3 (3) (Formerly ECE 240) The curriculum course focuses on developmentally appropriate curriculum content in early childhood programs, age three 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 IEP's is included. Sixty (60) hours of field experience required. Concurrent enrollment: ECED 2131. Prerequisites: ECED 2120, 2121; admission to Teacher Education Program. (S)

ECED 2131 Curriculum Development and Implementation: Age 3 (Pre-K) through Grade 3 Practicum (2) (Formerly ECE 240L) The beginning practicum course is a co-requisite with the course Curriculum Development and Implementation: Age three through third grade. The field-based component of this course will provide experiences that address developmentally appropriate curriculum content in early childhood programs, age three 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 Teacher Education Program. (S)

EARLY CHILDHOOD EDUCATION (ECED) – UPPER DIVISION

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 Teacher Education Program. (F)

ECED 4010 Research in Child Growth, Development and Learning (3) (Formerly ECED 481) 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 Teacher Education Program. (F)

ECED 4020 Family, Language and Culture (3) (Formerly ECED/BLED 473) 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: Teacher Education Program. (S, Su)

ECED 403 Infant and Toddler Assessment and Evaluation (3) Provides understanding of goals/benefits of observation and assessment of infants/toddlers; tools and approaches for observation, documentation, and other methods used for assessment; assessment partnerships with families and professionals; responsible assessment (confidentiality, avoidance of bias, and other ethical standards); and use of diagnostic tools to assess children with/without diverse abilities. Concurrent enrollment: ECED 404. Prerequisite: admission to Teacher Education Program. (S)

ECED 4030 Young Children with Diverse Abilities (3) (Formerly ECED 401) 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 Teacher Education Program. (F)

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: ECED 403. Prerequisite: admission to Teacher Education Program. (S)

ECED 4110 Advanced Caregiving for Infants and Toddlers (3) (Formerly ECED 402) Defines and implements developmentally appropriate elements of quality programming in safe, healthy, responsive, and caring environments. Emphasizes strong nurturing relationships, cultural competence, recognition of diverse learning needs and styles, appropriate guidance techniques, and partnership with families, cultures, and community. Advances ability to observe, discuss and implement elements of quality programming in home, small-group or whole-group care situations. Prerequisite: admission to Teacher Education Program. (F)

ECED 4120 Emergent Literacy (3) (Formerly ECED 302) 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) Sociocultural 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: Teacher Education Program. (F)

ECED 4130 Integrated Curriculum: Birth through Pre-K (3) (Formerly ECED 483) 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 Teacher Education Program. (S)

ECED 4131 Integrated Curriculum: Birth through Pre-K Practicum (4) (Formerly ECED 485) 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. Licensure students must complete this field experience in a public-school setting. Prerequisite: admission to Teacher Education Program. (S)

ECED 4140 Teaching and Learning Math and Science (4) (Formerly ECED 409) Advanced curriculum course focused on the standards, principles and practices in teaching mathematics and science to young children in preschool through grade 3. Concurrent enrollment: ECED 4150, 4150L, 4160, and 4171. Course for early childhood education majors only. Prerequisite: admission to Methods. (F - Portales and S – synchronous Roswell)

ECED 4150 Teaching and Learning Language Arts (3) (Formerly ECED 408) 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 4140, 4150L, 4160, and 4171. Course for early childhood education majors only. Prerequisite: admission to Methods. (F - Portales and S – synchronous Roswell)

ECED 4150L Teaching and Learning Language Arts Laboratory (NC) (Formerly ECED 408L) Students will be required to spend an entire day (8AM-3PM) in an elementary classroom setting on day a week to complete a minimum of 70 hours. Concurrent enrollment: ECED 4140, 4150, 4160, and 4171. (F - Portales and S – synchronous Roswell)

ECED 4160 Teaching and Learning Social Studies, Fine Arts and Movement (3) (Formerly ECED 417) The course focuses on the aims, scope, and integration of methods of teaching social studies, the fine arts, and movement across the curriculum. Concurrent enrollment: ECED 4140, 4150/L, and 4171. Course for early childhood education majors only. Prerequisite: admission to Methods. (F - Portales and S – synchronous Roswell)

ECED 4171 Teaching and Learning Practicum (2) (Formerly ECED 418) The field practicum is a corequisite course with teaching and learning math, science, social studies, fine arts, movement. The field-based component of this course will provide experiences that address curriculum content relevant for children ages three through third grade in developmentally and culturally sensitive ways. Sixty (60) hours of field experience required. Concurrent enrollment: ECED 4140, 4150/L, and 4160. Course for early childhood education majors only. Prerequisite: admission to Methods. (F - Portales and S – synchronous Roswell)

ECED 487 Student Teaching in Early Childhood Education I (6) 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 Student Teaching. (F, S)

ECED 488 Student Teaching in Early Childhood Education II (6) 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 Student Teaching. (F, S)

ECED/ELED/SPED/SED 490 NMPED Portfolio Preparation (1) This course meets the NMPED Portfolio requirement for initial licensure in Elementary, Early Childhood, Secondary, or Special Education. Students will submit and receive feedback on the ten artifacts comprising the portfolio. (F, S, Su)

ECED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of six hours.) (F, S, Su)

ECED 493 Topics in Early Childhood Education (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

EDUCATION FOUNDATION (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: meets communication requirement for Teaching General Education. (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)

EDUC 2116 Structured Observations of Teaching and Learning (3) (Formerly EDF 222) Introduction to the study and practice of teaching and learning. For students interested in pursuing a career in teaching. Required for advancement in the teacher education program. Concurrent enrollment: EDUC 2116L. Forty (40) hours of field experience required. Must be completed with grade of "B" or higher. (F, S)

EDUC 2116L Introduction to Education Field Experience (NC) (Formerly EDF 222L) 40-hour field experience in public-school classrooms. Teacher Education Office (TEO) arranges all field placements. Concurrent enrollment: EDUC 2116. (F, S)

EDUC 2993 Workshop in Education Foundations (1-3) As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

EDUC 2996 Topics in Education Foundations (1-3) As announced. (May be repeated for a maximum of six hours in EDUC 2996 and EDF 493 if topics are different.)

EDUCATION FOUNDATION (EDF) – UPPER DIVISION

EDF 301 Foundations of Education and Learning (3) Nature, aims, historical, social, and cultural foundations of public schools and teaching; teaching as a profession; economic and legal aspects of schooling; theoretical underpinnings of pedagogy and curriculum. Prerequisites: admission to Teacher Education Program. (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. Prerequisites: admission to Teacher Education Program. (F, S, Su)

EDF 468 Workshop in Education Foundations (1-3) As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

EDF 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

EDF 493 Topics in Education Foundations (1-3) Current topics in education; societal problems and innovative strategies applied by schools in response to these demands. (May be repeated for a maximum of six hours in EDUC 2996 and EDF 493 if topics are different.)

ELEMENTARY EDUCATION (ELED) – LOWER DIVISION

ELED 2996 Topics in Elementary Education (1-3) (Formerly ELED 293) As announced. (May be repeated for a maximum of six hours in ELED 2996 and 493 if topics are different.)

ELEMENTARY EDUCATION (ELED) – UPPER DIVISION

ELED 401 Literacy Methods for Diverse and Inclusive Classrooms (3) A variety of educational techniques and strategies with a focus on 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 English language arts and literacy. Field experience required: minimum 70 hours. ELED 401/L, 402/L, 403 and 404 are courses for ELED/SPED majors only. Concurrent enrollment: ELED 401/L, 402/L, 403 and ELED 404 (required). Prerequisites: SPED 320/L, 328, RED 350/L and admission to Methods. Must be completed with a "B" or better. (F - Portales and S - synchronous Roswell)

ELED 401L Literacy Methods for Diverse and Inclusive Classrooms Laboratory (NC) Students will be required to spend an entire day (8AM-3PM) in an elementary classroom setting one day a week to complete a minimum of 70 hours or equivalent to four school days weekly if participating in the residency program. Concurrent enrollment: ELED 401, 402 and ELED 403 (F – Portales and S – synchronous Roswell)

ELED 402 Social Studies Methods for Diverse and Inclusive Classrooms (3) A variety of educational techniques and strategies with a focus on discovery/inquiry methods will be applied in inclusive educational settings and throughout the least restrictive environment. Embeds learning across all curricular areas with specific emphasis on the social studies. Field experience required: minimum 70 hours. ELED 401/L, 402/L, 403 and 404 are courses for ELED/SPED majors only. Concurrent enrollment: ELED 401/L, 403 and ELED 404 (required). Prerequisites: SPED 320/L, 328, RED 350/L and admission to Methods. Must be completed with a "B" or better. (F - Portales and S - synchronous Roswell)

ELED 403 Mathematics Methods for Diverse and Inclusive Classrooms (3) A variety of educational techniques and strategies with a focus on discovery/inquiry methods will be applied in inclusive educational settings. Embeds learning across all curricular areas with specific emphasis on mathematics. Field experience required. ELED 401/L, 402/L, 403 and 404 are courses for ELED/SPED majors only. Concurrent enrollment: ELED 401/L, 402/L, and ELED 404 (required). Prerequisites: SPED 320/L, SPED 328, RED 350/L and admission to Methods. Must be completed with a "B" or better. (F - Portales and S – synchronous Roswell)

ELED 404 Science Methods for Diverse and Inclusive Classrooms (3) A variety of educational techniques and strategies with a focus on discovery/inquiry methods will be applied in inclusive educational settings. Embeds learning across all curricular areas with specific emphasis on science. Field experience required. ELED 401/L, 402/L, 403 and 404 are courses for ELED/SPED majors only. Concurrent enrollment: ELED 401/L, 402/L, and 403 required. Prerequisites: SPED 320, 328, RED 350/L and admission to Methods. Must be completed with a "B" or better. (F - Portales and S – synchronous Roswell)

ELED 460 Student Teaching: Elementary I (3) Placement in a public-school inclusive classroom; brief period of observation followed by gradual assumption of responsibilities and oversight of classroom; instructional planning and delivery; evaluation of learners; communications with parents; may be completed as part of the residency program where candidate is assigned as the co-teacher in the classroom. Note: seminar days on Portales campus required (not to exceed eight days). Concurrent enrollment in SPED 445 required. Prerequisite: admission to Student Teaching. Must be completed with a "B" or better. (F, S)

ELED 461 Student Teaching: Elementary II (3) Placement in a public-school inclusive classroom; brief period of observation followed by gradual assumption of responsibilities and oversight of classroom; instructional planning and delivery; evaluation of learners; communications with parents; may be completed as part of the residency program where candidate is assigned as the co-teacher in the classroom. Note: seminar days on Portales campus required (not to exceed eight days). Concurrent enrollment in SPED 446 required. Prerequisite: admission to Student Teaching. Must be completed with a "B" or better. (F, S)

ELED 468 Workshop in Elementary Education (1-3) As announced. (May be repeated for a maximum of six hours in all education workshops if topics are different.)

ECED/ELED/SPED/SED 490 NMPED Portfolio Preparation (1) This course meets the NMPED Portfolio requirement for initial licensure in Elementary, Early Childhood, Secondary, or Special Education. Students will submit and receive feedback on the ten artifacts comprising the portfolio. (F, S, Su)

ELED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

ELED 493 Topics in Elementary Education (1-3) As announced. (May be repeated for a maximum of six hours in ELED 2996 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 state and national standards/frameworks and structured literacy K-12 standards. Ideology, theme, content, and genre in literature presented as aspects of literacy pedagogy. (F)

RED 320 Writing Centered Classrooms (3) Methods of teaching writing in K-12 settings across disciplines. Creating writing centered classrooms utilizing current practices and research including structured literacy focus on fostering the development of student writers, writing processes and metacognitive strategies as outlined by the current state and national standards. Prerequisite: ENGL 1120. Additional coursework in writing is recommended. (S)

RED 350 Teaching and Learning Reading and Writing I (3) Primary emphasis on literacy development of all children from 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 current state and national standards/frameworks in lesson planning and instruction. Best practice reading theory emphasized, including structured literacy. Tutoring children of diverse abilities with a focus on the struggling reader and/or ELL reader is required on a weekly basis in addition to class hours. Twenty (20) hours of field experience required. Concurrent enrollment: RED 350L. Prerequisite: admission to Teacher Education Program. (F, S)

RED 350L Teaching and Learning Reading and Writing I (NC) Students will be placed in K-3 public school setting for a minimum 20-hour field experience. Concurrent enrollment: RED 350. (F, S)

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 current state and national standards/frameworks in lesson planning. Data driven instruction emphasized through authentic reading assessments and instructional strategy application. Best practice reading theory applied, including structured literacy. Tutoring children of diverse abilities with a focus on the struggling reader and/or the ELL reader is required on a weekly basis in addition to class hours. Twenty (20) hours of field experience required. Concurrent enrollment: RED 375L. Prerequisites: RED 350/L. (F, S)

RED 375L Teaching and Learning Reading and Writing II Lab (NC) Students will be placed in a 4-8 grade public school setting for a minimum 20-hour field experience. Concurrent enrollment: RED 375. (F, S)

RED/BLED 438 Language Arts and ESL (3) Development of listening, speaking, reading, and writing skills within a language arts program for bilingual students. (S)

RED 468 Workshop in Reading (1-3) As announced. May be repeated for a maximum of six hours in all education workshops if topics are different. (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 instruction and the use of reading and writing experiences for enhancing student's literacy included. Use of best practices and current research including structured literacy 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. Twenty (20) hours of field experience required. Prerequisites: RED 350/L and admission to Teacher Education Program. (F)

RED 471L Literacy Assessment and Data Driven Instruction Lab (NC) Students will be placed with K-3 grade student for a minimum 15-hour field experience. Concurrent enrollment: RED 471. (F)

RED 490 Field Studies in Reading (1-3) (May be repeated for a maximum of six hours.) Prerequisite: instructor approval.

RED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

RED 493 Topics in Reading (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

RED 495 Secondary Education Content Area Literacy and Strategies (3) Integration of content area learning with literacy including structured literacy, in the grade 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 Teacher Education Program. Concurrent enrollment: RED 495L. (F)

RED 495L Secondary Education Content Area Literacy and Strategies (NC) Students will be placed in a 7-12 grade public school setting for a minimum 15-hour field experience. Concurrent enrollment: RED 495. (F)

RED 496 Elementary Education Content Area Literacy and Strategies (3) Integration of content area learning with Literacy, including structured literacy, in the K-8 elementary classroom. Strategies to support learning in the content areas presented. Literacy is defined in conjunction with various content areas (e.g., art literacy, scientific literacy.) (S)

SECONDARY EDUCATION (SED) – LOWER DIVISION

SED 2996 Topics in Secondary Education (1-3) As announced. (May be repeated for a maximum of six hours in SED 2996 and 493.) (TBA)

SECONDARY EDUCATION (SED) – UPPER DIVISION

SED 402 Planning and Assessment (3) Professional planning, assessment, and pedagogical reflection that optimizes student engagement and performance for all students; focus on professional development and evaluation processes. Thirty (30) hours of practicum field experience required in the assigned public-school classroom. Concurrent enrollment in SED 402L and 405 required. Prerequisites: admission to Teacher Education Program and Methods courses. (F)

SED 402L Planning and Assessment Field Experience (NC) Students will be placed in a 7-12 grade public school setting for a minimum 30-hour field experience. Concurrent enrollment: SED 402 and SED 405. (F)

SED 405 Classroom Management and Issues in Education (3) Effective classroom and behavior management procedures that result in minimizing discipline problems, building healthy student-teacher interactions, 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. Experience required in the assigned public-school classroom. Concurrent enrollment: SED 402/L. Prerequisites: admission to Teacher Education Program and Methods courses. (F, S)

SED 415 Reading and Content Area Literacy (3) The Reading and Content Area Literacy course is a methods course for content area literacy development in education. The course will examine effective practices and structured literacy skills in the content areas. The course will have an emphasis on development of pedagogical skills to create standards-based, engaging instruction through erective literacy strategies. The course will serve as the required reading course for students completing the K-12 and secondary education program. (F)

SED 460 Student Teaching: Secondary (12) 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 Student Teaching. (F, S)

SED 468 Workshop in Secondary Education (1-3) As announced. (May be repeated for a maximum of six hours in all education workshops.)

ECED/ELED/SPED/SED 490 NMPED Portfolio Preparation (1) This course meets the NMPED Portfolio requirement for initial licensure in Elementary, Early Childhood, Secondary, or Special Education. Students will submit and receive feedback on the ten artifacts comprising the portfolio. (F, S, Su)

SED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

SED 493 Topics in Secondary Education (1-3) As announced. (May be repeated for a maximum of six hours in SED 2996 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 six hours in SPED 2996 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 2116/L recommended. (F, S, Su)

SPED 320 Special Education Methods: Assessment and Strategies (3) Planning and techniques for formal and informal diagnostic assessment resulting in data-driven instruction, assessment of student characteristics and abilities, and applications of accommodations and modifications for all students, including those with diverse abilities. A 30-hour field experience in a secondary education public school classroom is required. Concurrent enrollment: SPED 320L and 328 (required). Prerequisite: SPED 300. (S)

SPED 320L Planning and Assessment for the Inclusive Classroom Lab (3) Students will be placed in a secondary education public school setting. A 30-hour field experience in a secondary education public school classroom is required of ELED/SPED majors, ECED majors area assigned to a special education classroom up to grade 3. Concurrent enrollment: SPED 320 and SPED 328. (S)

SPED 328 Special Education Methods: Classroom/ Behavior Management and Strategies (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/L (required). Prerequisite: SPED 300. (S)

SPED 445 Student Teaching: Special Education I (2) 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; may be completed as part of the residency program where candidate is assigned as the co-teacher in the classroom. Note: Seminar days on Portales Campus required (not to exceed eight days). Concurrent enrollment in ELED 460 required. (F, S)

SPED 446 Student Teaching: Special Education II (3) 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/ BOPs, communications with parents; may be completed as part of the residency program where candidate is assigned as the co-teacher in the classroom. Note: Seminar days on Portales Campus required (not to exceed eight days) Concurrent enrollment in ELED 461 required. (F, S)

SPED 468 Workshop in Special Education (1-3) As announced. (May be repeated for a maximum of three hours in all education workshops.)

ECED/ELED/SPED/SED 490 NMPED Portfolio Preparation (1) This course meets the NMPED Portfolio requirement for initial licensure in Elementary, Early Childhood, Secondary, or Special Education. Students will submit and receive feedback on the ten artifacts comprising the portfolio. (F, S, Su)

SPED 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of three hours.) Prerequisite: instructor approval.

SPED 493 Topics in Special Education (1-3) As announced. (May be repeated for a maximum of six hours in SPED 2996 and 493 if topics are different.)

ELECTRONICS ENGINEERING TECHNOLOGY (EET) – LOWER DIVISION

EET 110 Circuit Analysis I (2) 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 1220, 1230, 1510 or 1530. 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 122 Programming Fundamentals with C/C++ (3) (Formerly EET/CS 122) This class introduces students to programming fundamentals using the C and C++ programming languages with an emphasis on syntax, semantics, and structured programming style. Students practice the C/C++ programming language via class works as well as laboratory experiences/exercises solving mathematical and scientific problems. Students design, write and implement programs. Prerequisite: Completion of, or concurrent enrollment in, MATH 1216, 1220, 1230, 1510, or 1530. (F, S)

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 1216, 1220, 1230, 1510 or 1530. (S)

EET 210 Circuit Analysis II (2) 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 1230, 1510 or 1530. 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) Study of materials for solid state devices such as diodes and transistors, small signal, and elementary amplifier analysis. Prerequisite: 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) Logic circuits common to computers, data systems, analytical tools, and their applications, that includes introduction to combinational logic, gates, Boolean Algebra, Karnaugh Mapping, Number Systems/Codes, arithmetic circuits, decoders/encoders, mux/demux, comparators, basic sequential gates (Latches/FF, and digital circuit analysis using computer simulations. Prerequisite: Completion of, or concurrent enrollment in, MATH 1220, 1230, 1510 or 1530. 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) A continuation of Logic Circuits. An introduction to sequential logic with HDL, review of latches and flip/flops, timers, counters/ registers, PLD implementation, finite state machine design/ analysis. Logic testing and timing analysis. Focus on sequential and finite state machines. Prerequisite: 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 six hours). (TBA)

EET 293 Topics in Engineering Technology (1-3) As announced. (May be repeated for a maximum of six hours with instructor approval or adviser if topics are different).

ELECTRONICS ENGINEERING TECHNOLOGY (EET) – UPPER DIVISION

EET 302 Industrial Electronics (2) 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. (Even 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. (Even F)

EET 310 Linear Systems Analysis (2) This course covers fundamentals of signals and systems. Topics include network analysis, analysis of continuous-time and discrete-time systems, sampling theorem, Laplace transform, circuit analysis using Laplace transform frequency response and Bode plots, Fourier series and transform, and transfer function. Prerequisites: EET 210/L; MATH 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) 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. Prerequisite: 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 (2) 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 122, EET 241/L. Concurrent enrollment: EET 340L. (S)

EET 340L Introduction to Computer Organization and Architecture Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 340. (S)

EET 343 Advanced Digital Design (2) 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. Prerequisite: EET 340. Concurrent enrollment: EET 343/L. (F)

EET 343L Advanced Digital Design Laboratory (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) Electronic circuits of modern electronic communications are studied. Topics include basic radio frequency transmitter and receiving systems, antennas, and audio signal processing. Prerequisite: EET 337/L (may be taken concurrently). Concurrent enrollment: EET 357L. (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. (F)

EET 402 Renewable Energy Technology I (2) 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: EET 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) 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 403L 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) 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, applications, and operations of power electronic circuits, switches, and converters and the vital role of power electronics 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, and EET 402/L OR 403/L. Concurrent enrollment: 404L. (Odd S)

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. (Odd S)

EET 412 Electrical Power and Machinery (2) Introduction to power systems and electric machinery. Topics include single and three-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. Prerequisite: EET 210/L. Concurrent enrollment: EET 412L. (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. (F)

EET 421 Special Problems (1-2) May be repeated for a maximum of six hours.

EET 437 Semiconductor Devices III (2) 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. Prerequisite: EET 337/L. Concurrent enrollment: EET 437L. (S)

EET 437L Semiconductor Devices III Laboratory (1) A laboratory course through simulations and hardware implementations. Concurrent enrollment: EET 437. (S)

EET 450 Control Systems (2) 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) 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. Prerequisite: EET 357/L. Concurrent enrollment: EET 457L. (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. (S)

EET 468 Workshop in Engineering Technology (1-3) As announced. (May be repeated for a maximum of six credits if topics are different). (TBA)

EET 472 Introduction to Embedded System (2) 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/L. Concurrent enrollment: EET 472L. (F)

EET 472L Introduction to Embedded System Laboratory (1) A laboratory course that emphasizes application of theoretical aspects of the course through simulations and hardware implementations. Concurrent enrollment: EET 472. (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. Students complete oral presentation and written report summarizing the internship experience. 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. Prerequisite: Junior or senior standing. (S)

EET 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of six credits with instructor/adviser approval). (TBA)

EMERGENCY MANAGEMENT (EMGT)

EMGT 301 Leadership and Ethics (3) The purpose of the course is to present a variety of perspectives on leadership and ethics that help to inform professional practice and the personnel development of the emergency management student. In addition to more traditional or classic notions of leadership, students are introduced to contemporary models including collaborative, transformational, and servant leadership. The special demands of crisis leadership are also explored. (Even Su)

EMGT 302 Introduction to Emergency Management (3) Examines concepts and principles of community risk assessment, planning, and response to fires and natural and human-caused disasters, including National Incident Management System - Incident Command Systems (NIMS ICS), mutual aid and automatic response, training and preparedness, communications, civil disturbances, terrorist threats/incidents, hazardous materials planning, mass casualty incidents, natural disaster preparedness, response, mitigation and recovery. (Odd F)

EMGT 303 Emergency Services Administration and Management (3) A progressive primer for students who want more knowledge about fire and emergency services administration. Demonstrates the important skills necessary to manage and lead a fire and emergency services department through the challenges and changes of the 21st century. (Even S)

EMGT 304 Personnel Management (3) Relationships and issues in personnel administration and human resource development within the context of emergency services related organizations. (Even F)

EMGT 305 Applications of Fire Research (3) Basic principle of research and methodology for analyzing current fire related research. A framework for conducting and evaluating independent research. (Odd S)

EMGT 306 Fire Prevention Organization and Management (3) Factors that shape fire risk and the tools for fire prevention, including risk reduction education, codes and standards, inspection plans review, fire investigation, research, master planning, various types of influences and strategies. (Even S)

EMGT 310 Disaster Response (3) Context of disaster response, response functions, assessment, resource mobilization and adjudication, and emergency operations center (EOC) operations. Processes for short- and long-term recovery for individuals, families, and communities; provision of recovery assistance by both public and voluntary sectors. (Even S)

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 331 EMS Safety and Risk Reduction (3) This course introduces students to the risk management principles of an EMS agency. Students will focus on safety from the perspective of the field provider. (Even S)

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 four hours.) Prerequisite: instructor approval.

EMGT 493 Topics in EMGT (3) As announced (e.g., terrorism and consequence management; public funding and grant writing). (May be repeated for a maximum of six hours if topics are different).

ENGLISH (ENG/ENGL) - LOWER DIVISION

ENG 097 Basic Writing Skills (3) Specific instruction in basic composition, sentence construction, paragraph development and introduction to the essay. Class format includes individualized instruction. Credit not applicable to associate or baccalaureate degrees. Must earn grade of “C” or higher. (F, S)

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 placement matrix. 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. Prerequisite: ENGL 1110 with grade of “C” or higher. (F, S)

ENGL 2310 Introduction to 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 esthetic, cultural, and ideological debates central to early American culture. Prerequisite: ENGL 1110 with a “C” or better. (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 esthetic, cultural, and ideological debates central to American culture. Prerequisite: ENGL 1110 with a “C” or better. (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. Prerequisite: ENGL 1110 with a “C” or better. (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. Prerequisite: ENGL 1110 with a “C” or better. (Even S)

ENGL 2993 Writing Workshop (1-3) (Formerly ENG 268) As announced. (May be repeated for a maximum of six 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) – 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/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 requirement. Prerequisite: ENGL 1110 with a "C" or better. (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 or ENGL 2210 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. Completion of or concurrent enrollment in ENGL 2310 or instructor approval. (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 Historicist. Prerequisite: ENGL 1120 with a "C" or better. (Odd F)

ENGL 335 Fiction 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 with a "C" or better and ENGL 2310 or instructor approval. (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. (Odd F)

ENGL 376 Latina/o/x Literature (3) Writings of Latina/o/x authors, particularly those of the last century. Includes accounts of Chicano/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. Fulfills Diversity/Global requirement. (S)

ENGL 379 Globalization/Diversity and Cultural Studies (3) Study of thematic texts focused on 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/Global requirement. (TBA)

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 and ENGL 2310 or instructor approval. (Even S)

ENGL 406 Visual Rhetoric and Design (3) Exploration in and application of theories related to visual rhetoric and design. Students will analyze and practice producing materials within various visual genres, including flyers, websites, social media, reports, and more. The course focuses on developing skills for designing well-organized, ethical, accessible materials for a variety of purposes and audiences. Prerequisite: ENGL 1120 or ENGL 2210 with a "C" or better. (Odd F)

ENGL 407 Professional Writing Theory and Ethics (3) Exploration and application of major theories, issues, and methodologies in professional and technical writing. This course will focus on the ethical application of theories in response to specific cases and situations. Students will work with and produce professional communication for various organizations and will develop an appreciation for the professional genres and style of writing that takes place within their future career trajectory. Prerequisite: ENGL 1120 or ENGL 2210 with a "C" or better. (Odd S)

ENGL 408 Grant Writing (3) Introduces students to researching, evaluating, and writing successful and ethical grant proposals. The concepts and theories discussed can be applied to business, individual, government, and non-profit proposals. Students will identify funders, translate objectives to a lay audience, create meaningful evaluation criteria, and develop the rhetorical skills needed to read an RFP and target the specific expectations of a granting agency in form, content, and style. Prerequisite: ENGL 1120 or ENGL 2210 with a "C" or better. (Even F)

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. Completion of or concurrent enrollment in ENGL 2310. Prerequisite: ENGL 1120 with a "C" or better. (Even F)

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. (May be repeated for a maximum of six credits if topics are different.) (Odd 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. (May be repeated for a maximum of six credits if topics are different.) (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. (May be repeated for a maximum of six credits if topics are different.) (S)

ENGL 468 Workshop in English (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

ENGL 489 Internship (1-3) Students may enroll in the internship course from one to three credit hours (repeatable up to four credit hours). For each credit hour, a minimum of 50 clock hours of on-the-job experience related to the discipline must be completed. As an extension of academic experience, this internship provides practical experience in an appropriate organizational setting to prepare students for their careers. Students will consult with their advisor and the instructor to determine area of specialization relevant to their career goals. This course is graded S/U. Prerequisites: instructor, academic adviser, and dean approval. (As announced)

ENGL 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four 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) Critical analysis of environmental and societal issues associated with water resources throughout history; quantitative problems in groundwater hydrogeology; analysis and interpretation of data from a contaminated site. Prerequisites: GEOL 1110/L or GEOL 1120/L, MATH 1220. (Odd S)

ENVS/CHEM 454 Environmental 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. Prerequisite: CHEM 1215/L GEOL 1110/L or GEOL 1120/L strongly recommended. (Even 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. This course is graded Pass/Fail. Prerequisite: instructor approval. (F, S)

FAMILY AND CONSUMER SCIENCES (FCST/NUTR) – LOWER DIVISION

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. (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 six 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 three credits.) (TBA)

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. (Su)

FAMILY AND CONSUMER SCIENCES (FCST) – 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. (Online F, In Person 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 425 Vitamins and Minerals (3) Water and fat-soluble vitamins, macro minerals and trace minerals in human nutrition. Emphasis includes absorption, metabolism, food source, dietary recommendations, deficiencies, and nutrient interactions. Implications for health promotion and disease are explored. (Even Su)

FIRST-YEAR SEMINAR (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)

FRENCH (FREN) – LOWER DIVISION

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. (Odd F)

FREN 1120 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 1110 or equivalent (consult with instructor). (Even 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) (Formerly FR 268) As announced. (May be repeated for credit if topics are different.) (TBA)

FREN 2996 Topics in French (1-3) (Formerly FR 293) As announced. (May be repeated for credit if topics are different.) (TBA)

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. (Even F, 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 1110L 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 1115 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 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 1115L. (S)

GEOL 1115L 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 of 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 1115. (S)

GEOL 1120 Environmental Geology (3) (Formerly GEOL 113) This course is a survey of 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 lab 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 with adviser approval if topics are different.)

GEOLOGY (GEOL) – UPPER DIVISION

GEOL 304 Geomorphology (3) The origin and development of landforms and relationship of geomorphic principles to human activities. One or more field trips required. Prerequisite: GEOL 1110/L or GEOL 1120/L. (Odd S)

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 or GEOL 1120/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 or GEOL 1120/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. Concurrent enrollment: GEOL 311L. Prerequisite: GEOL 1110/L or GEOL 1120/L. GEOL 305/L is recommended but not required. (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 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.)

GEOL 493 Topics in Geology (1-3) As announced. (May be repeated for credit if topics are different.)

GREEK (GREK) – 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)

GREK 2110 Greek III (3) (Formerly GR 301) This course is the continuation of Greek II. The aims of this course are to develop skills in reading, writing, and comprehension in Greek. These include the grammar and vocabulary needed in order to read and understand authentic Greek texts with the help of a dictionary. Prerequisite: Satisfactory completion of GREK 1120, or instructor's permission. (F)

GREK 2120 Greek IV (3) (Formerly GR 302) This course is the continuation of Greek III. The aims of this course are to develop skills in reading, writing, and comprehension in Greek. These include the grammar, vocabulary, and exegetical tools needed in order to read and understand Greek texts of moderate difficulty and complexity. Prerequisite: GREK 2110. (S)

GREK 2993 Workshop in Greek (1-3) (Formerly GR 268) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

GREK 2996 Topics in Greek (1-3) (Formerly GR 293) As announced. (May be repeated for credit if topics are different.) (TBA)

GREEK (GREK) – 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/RELG 423. Prerequisite GREK/RELG 423. (TBA)

GREK 468 Workshop in Greek (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

GREK 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) (TBA)

GREK 493 Topics in Greek (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

HEALTH AND PHYSICAL EDUCATION/ KINESIOLOGY (HPE/PHED) 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 three credits may be counted toward a degree.) (F, S, Su)

PHED 1210 Basketball: Competition (1) (Formerly HPE 117) Individual sections vary based on topic content, "audience," type or level of participation. (TBA)

PHED 1230 Individual Sport: Racquetball (1) (Formerly HPE 103, 132, 138) Golf, tennis, or racquetball. Student must furnish tennis racquet or racquet. (TBA)

PHED 1280 Volleyball: Power Volleyball (1) Individual sections vary based on topic content; "audience"; type or level of participation. (Formerly HPE 116) (TBA)

PHED 1290 Team Sport (1) (Formerly HPE 101, 102) Pickleball, soccer, futsal, or softball. (TBA)

PHED 1310 Swim I: Beginning Swimming (1) (Formerly HPE 119) (TBA)

PHED 1510 Training (1) (Formerly HPE 122, 124) Body Sculpting or resistance training. For example: Aerobics/Aqua, Hi-Lo, Kickboxing, and Step. (F, S)

PHED 1620 Fitness: Introduction to Fitness (1) (Formerly HPE 110) Designed for students desiring individualized programs based on indicated needs for health-related fitness. (TBA)

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. (TBA)

PHED 1830 Running: Walking and Jogging (1) (Formerly HPE 111) Techniques of walking and jogging. Exercise program individualized for appropriate level of activity. (TBA)

PHED 1996 Topics in Physical Education (1) (Formerly HPE 112) Varying activities as indicated by topics titles (for example, Contemporary Activities/Yoga). (TBA)

HEALTH AND PHYSICAL EDUCATION/ KINESIOLOGY (HPE/PHED) ATHLETICS

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 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 257 Varsity Soccer (1) Prerequisite: instructor approval. (F)

HPE 258 Varsity Track and Field (1) Prerequisite: instructor approval. (S)

HPE 261 Varsity Spirit Squad (1) Prerequisite: instructor approval. (F)

HPE 266 Varsity Volleyball (1) Prerequisite: instructor approval. (F)

HPE 350 Varsity Football (1) Prerequisite: instructor approval. (F)

HPE 352 Varsity Basketball (1) Prerequisite: instructor approval. (S)

HPE 353 Varsity Cross-Country (1) Prerequisite: instructor approval. (F)

HPE 354 Varsity Baseball (1) Prerequisite: instructor approval. (S)

HPE 355 Varsity Softball (1) Prerequisite: instructor approval. (S)

HPE 357 Varsity Soccer (1) Prerequisite: instructor approval. (F)

HPE 358 Varsity Track and Field (1) Prerequisite: instructor approval. (S)

HPE 361 Varsity Spirit Squad (1) Prerequisite: instructor approval. (F)

HPE 366 Varsity Volleyball (1) Prerequisite: instructor approval. (F)

HPE 450 Varsity Football (1) Prerequisite: instructor approval. (F)

HPE 452 Varsity Basketball (1) Prerequisite: instructor approval. (S)

HPE 453 Varsity Cross-Country (1) Prerequisite: instructor approval. (F)

HPE 454 Varsity Baseball (1) Prerequisite: instructor approval. (S)

HPE 455 Varsity Softball (1) Prerequisite: instructor approval. (S)

HPE 457 Varsity Soccer (1) Prerequisite: instructor approval. (F)

HPE 458 Varsity Track and Field (1) Prerequisite: instructor approval. (S)

HPE 461 Varsity Spirit Squad (1) Prerequisite: instructor approval. (F)

HPE 466 Varsity Volleyball (1) Prerequisite: instructor approval. (F)

PHED 1950 Rodeo: Fundamentals (1) (Formerly AG 110 and 111) Individual sections vary based on topic content, "audience," type or level of participation. (F)

PHED 2950 Rodeo II: Varsity Rodeo II (1) (Formerly AG 210 and 211) Individual sections vary based on topic content, "audience," type or level of participation. (S)

HEALTH AND PHYSICAL EDUCATION/ KINESIOLOGY (EXSC/HPE/HLED/PHED) – LOWER DIVISION: THEORY COURSES

EXSC 2120 Structural Kinesiology (3) (Formerly HPE 241) Students learn about anatomy, kinesiology and biomechanics as they relate to sport and exercise. Special attention is focused on the practical implications of human movement and how they relate to developing scientifically based exercise programs. Prerequisite: grade "C" or higher in BIOL 2210 with lab. (S)

HPE 142 Fundamentals of Physical Well-Being (2) Concepts of physical well-being; encouragement of a variety of lifetime physical activities; cognitive components of physical fitness, nutrition, stress management, disease prevention and other health-related topics. (F)

HPE 145 Fitness: Concepts in Physical Education (3) A foundation in the historical development; the physiological, psychological, and sociological components; current trends; contemporary issues and the professional elements of physical education. (S)

HPE 298H Teaching Movement: Health Fitness Instruction (3) Rules and fundamental skills for personal training and other fitness instruction, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity. (TBA)

HPE 298R Teaching Movement: Racquet Sports (3) Rules of and fundamental skills for racquet sports (tennis, racquetball, etc.), techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activity. (TBA)

HPE 298S Teaching Movement: Strength and Olympic Lifts (3) Safety and fundamental skills for Olympic style weight training, techniques for teaching those skills, strategies for practicing skills and assessment methods appropriate to the activities. (TBA)

HLED 1130 Concepts of Health/Wellness (3) (Formerly HPE 121) Introduces the student to the "Seven Dimensions of Wellness" (physical, emotional, intellectual, interpersonal, spiritual, environmental, and financial). This course addresses topics including fitness, exercise, nutrition, stress management and chronic lifestyle-related diseases. (F)

HLED 1150 Lifeguarding (2) (Formerly HPE 216) Provides knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide professional-level care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services personnel take over. At the successful completion of the required skills and written exams, students will receive an American Red Cross (ARC) Lifeguard Certification, which includes certifications in Lifeguarding, First Aid, CPR and AED. (TBA)

HLED 2110 Principles of Coaching (3) (Formerly HPE 245) Explores methods and principles of coaching individual and team sports at the secondary and postsecondary levels, including discipline techniques, curriculum planning, ethics, motivation, budget management, and public relations. The course provides an understanding of a comprehensive coaching program. (S)

HLED 2135 Basic Care and Prevention of Athletic Injuries (3) (Formerly HPE 209) Student will be able to identify injury and illness risk factors associated with participation in competitive athletics and learn to plan and implement all components of a comprehensive injury and illness prevention program. Students will learn the most common athletic injuries in sport and appropriate timelines for return to play. Students will get a hands-on experience in the basic skills required to prevent injuries in an athletic environment. (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. Recommended: grade "C" or higher in EXSC 2120. (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. Must have current early childhood background check prior to enrollment. Prerequisite: instructor approval required. (S)

HLED 2320 Teaching Movement: Aquatics (3) (Formerly HPE 298A) This course will introduce all types of swimming strokes including the front and back crawl, breaststroke, sidestroke, and elementary backstroke. Other skills such as fitness swimming, diving and water exercise will also be taught. (TBA)

HLED 2330 Teaching Movement: Fitness Activities (3) (Formerly HPE 298F) Teaching movement courses are designed to prepare physical educators for teaching skills related to physical activity. Classes cover rules of and fundamental skills for activity, techniques for teaching those skills, strategies for practicing skills, and assessment methods appropriate to the activity. (TBA)

HLED 2340 Teaching Movement: Team Sports (3) (Formerly HPE 298T) Teaching movement courses are designed to prepare physical educators for teaching skills related to physical activity. Classes cover rules of and fundamental skills for activity, techniques for teaching those skills, strategies for practicing skills, and assessment methods appropriate to the activity. (TBA)

HLED 2520 Media and Public Relations (3) (Formerly HPE 207) This course provides 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 be required to develop a variety of different publications (interviews, news releases, media brochures etc.) for different types of events. (F)

PHED 2993 Workshop in Physical Education (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

PHED 2996 Topics in Physical Education (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

HEALTH AND PHYSICAL EDUCATION (EXSC/HPE/HLED/PHED) – UPPER DIVISION

EXSC 400 Essentials of Strength and Conditioning (3) This course offers an in-depth exploration of the scientific principles, methodologies, and practical applications underlying strength and conditioning. The course is structured to provide students with a comprehensive understanding of the physiological, biomechanical, and psychological foundations essential for designing effective strength and conditioning programs. Through a combination of theoretical knowledge and practical skills, students will learn to enhance athletic performance, prevent injuries, and promote long-term physical development. The course is designed to prepare students for the certified strength and conditioning specialist (NSCA) exam. (Even S)

EXSC 401 Fitness Assessment and Prescription (4) This course is designed to provide students with an advanced understanding of the principles and practices involved in fitness assessment and the development of exercise prescriptions. This course aims to bridge the gap between theoretical knowledge and practical application in assessing health-related physical fitness components and prescribing appropriate exercise interventions. Providing students with hands-on experience conducting comprehensive fitness evaluations and utilizing the results to design effective exercise programs. Students will learn to administer and interpret a variety of fitness assessments, including cardiovascular endurance, muscular strength and endurance, flexibility, and body composition. Emphasizing evidence-based strategies, the course will guide students through the process of designing, implementing, and evaluating individualized exercise programs based on assessment outcomes and specific client needs, goals, and medical considerations. A course designed to prepare students for the ACSM-Certified Exercise Physiologist (EP) certification. (F)

EXSC 402 Clinical Exercise Testing and Prescription (4) This course delves into the principles and practices of clinical exercise testing and prescription for chronic disease prevention, treatment, and management. This course is designed to equip students with the skills necessary to conduct safe and effective exercise tests and to develop exercise prescriptions for individuals with various health challenges, including cardiovascular, pulmonary, metabolic, and musculoskeletal conditions. Students will learn to apply clinical judgment and adapt exercise programs to meet each patient's unique needs, considering their medical history, functional capacity, and specific health goals. Must be taken concurrently with EXSC 402L. (Odd S)

EXSC 402 Clinical Exercise Testing and Prescription (4) This course delves into the principles and practices of clinical exercise testing and prescription for chronic disease prevention, treatment, and management. This course is designed to equip students with the skills necessary to conduct safe and effective exercise tests and to develop exercise prescriptions for individuals with various health challenges, including cardiovascular, pulmonary, metabolic, and musculoskeletal conditions. Students will learn to apply clinical judgment and adapt exercise programs to meet each patient's unique needs, considering their medical history, functional capacity, and specific health goals. It focuses on the practical skills and hands-on experience needed to conduct exercise tests and develop exercise prescriptions for individuals with various health conditions. Students will practice using diagnostic tools, such as ECGs and spirometers, and learn to tailor exercise programs to the specific needs of patients with chronic diseases. (Odd S)

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 managerial activities. (F)

HPE 304 Sport Finance (3) Basic principles of finance as they relate to sports. Emphasis is placed on current practices and issues relating to funding, budgeting, and revenue acquisition in sports through private and public means. Topics include taxing and borrowing, ticket sales, concessions, merchandise, broadcast sales and sponsorship. (S)

HPE 305 Human Resources in Sport and Exercise (3) An introduction to the basic elements of human resource management in sport 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 diverse sport settings. 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, S)

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. Prerequisite: BIOL 2210/L. Recommended: EXSC 2120. Concurrent enrollment: HPE 309L. (F)

HPE 309L Therapeutic Exercise Laboratory (1) Concurrent enrollment: HPE 309. (F)

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. Prerequisite: grade of "C" or higher in EXSC 2120. (F)

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. (F)

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. Prerequisite: grade of "C" or higher in BIOL 2225/L. Recommended: grade of "C" or higher in EXSC 2120. (F)

HPE 313L Physiology of Exercise Laboratory (1) Demonstrations, hands-on experiences related to the functioning of the body's physiological systems during acute exercise and as a result of training. Concurrent enrollment: HPE 313. (F)

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. (F)

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. Fulfills Diversity/Global requirement. 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. Fulfills Diversity/Global requirement. Prerequisite: ENGL 1120. (S, Su)

HPE 331 Coaching of Football (3) Methods of coaching; teaching individual fundamentals, offensive and defensive team play, strategy, and conditioning athletes. (Even S)

HPE 333 Coaching of Basketball (3) Methods of coaching; teaching individual fundamentals, systems of defense and offense. (Even 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 340 Recreation and Intramural Programming (3) Organization and supervision of intramural and community-based sport and leisure programs. Online. (S)

HPE 341 Coaching of Volleyball (3) Methods of coaching volleyball; teaching individual fundamentals, drills and offensive/defensive strategies and psychological aspects. (Lectures and laboratory). (Odd S)

HPE 342 Coaching of Track and Field (3) Various track and field events and methods of teaching each. (Odd F)

HPE 345 Physical Activity: Law and Ethics (3) Laws and ethical issues pertaining to health, physical education, intramural sports, and athletics. Prerequisite: 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. Prerequisite: BIOL 2210/L. Recommended: EXSC 2120. Concurrent enrollment: HPE 348L. (F)

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. (F)

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. Prerequisite: BIOL 2210/L. Recommended EXSC 2120. Concurrent enrollment: HPE 349L. (S)

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. (S)

HPE 380 Fundamentals of Sport Management (3) Theory and practices in organization and administration of physical education, sport and athletic training programs as related to planning, finances, facilities, equipment, legal and ethical issues, health care services, personnel, marketing, and public relations. (F)

HPE 382 Coaching of Softball and Baseball (3) Methods of coaching; team development and individual skills. (Odd F)

HPE 389 Internship in Athletic Training (1-6) Practical work in athletic training as required by the National Athletic Trainers' Association. (May be repeated for a maximum of six hours.) Prerequisites: HLED 2135 and head athletic trainer approval. Proof of First Aid/CPR required. (F, S)

HPE 411 Motor Learning (3) Study of the theory, principles and factors involved in the learning and performance of motor skills. Prerequisites: grade of "C" or higher in HLED 2170 with lab. (S)

HPE 411L Motor Learning Laboratory (1) Practical experience in exercises pertaining to motor learning principles. Hands-on experience to use knowledge in real-world settings. Concurrent enrollment: HPE 411. (S)

HPE 425 Contemporary Issues: Topics (3) Research, writing and discussion of issues important to current coaches and administrators of sport and recreation programs. Possible topics include sport media, public relations, sport finance, sport ethics, women's issues, etc. (May be repeated for credit when topics vary.) (F, S)

HPE 433 Methods and 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 435 Teaching Adapted Physical Education (3) This course focuses on the identification, classification, and unique characteristics of students with disabilities. Instructional strategies and modifications for teaching students with disabilities also is addressed across K-12. (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. (S)

HPE 468 Workshop in Health and Physical Education (1-3) As announced. (May be repeated for a maximum six hours if topics are different.)

HPE 473 Health Education Methods and Materials (3) Methods and materials for teaching health education in community settings and in elementary and secondary school programs. Prerequisite: HLED 1130 or HPE 145. (S)

HPE 489 Internship in HPE (1-6) Practical work experience (50 work hours for each credit; maximum 300 hours for six 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 program plans; involvement with community and professional entities. To be taken the semester immediately prior to graduation. In addition, students must present proof of current first aid and CPR and AED certification to successfully complete the class. (F, S)

HPE 491 Directed Study (1-4) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

HPE 493 Topics in Health and Physical Education (1-3) As announced. (May be repeated for credit if topics are different.)

HEBREW (HEBR) – LOWER DIVISION

HEBR 1110 Hebrew I (4) (Formerly HEB 201) This course is an introduction to fundamentals of the Hebrew language. (Odd F)

HEBR 1120 Hebrew II (4) (Formerly HEB 202) This course is a continuation of HEB 201. Class will consist of lectures, various activities, and class discussion. Since a large amount and a wide range of material will be covered during each class meeting, regular attendance is necessary to do well in the class. Roll will be taken, and a student who is consistently absent should expect a lower grade. (Even S)

HEBR 2110 Hebrew III (3) (Formerly HEB 301) This course is a continuation of the study of Biblical/Classical Hebrew language. Class will consist of lectures, various activities, and class discussion. Since a large amount and a wide range of material will be covered during each class meeting, regular attendance is necessary to do well in the class. Roll will be taken, and a student who is consistently absent should expect a lower grade. Prerequisite: HEBR 1120. (Even F)

HEBR 2120 Hebrew IV (3) (Formerly HEB 302) Continuation of Intermediate Hebrew. Biblical Hebrew poetry with reference to selected passages. Prerequisite: HEBR 2110. (Odd S)

HEBR 2993 Workshop in Hebrew (1-3) (Formerly HEB 268) As announced. (May be repeated for a maximum of six 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) – UPPER DIVISION

HEBR 468 Workshop in Hebrew (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

HEBR 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval. (TBA)

HEBR 493 Topics in Hebrew (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 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 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. (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)

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. Fulfills Diversity/Global requirement. (F)

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 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 History of Latin America, 1492-Present (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. (S)

HIST 379 History of the Middle East, 1400 - Present (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 408 Archival Skills (3) Introduces students to archival and historical library theory and practices including working with a range of materials, collection types, and institutional parameters. (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 six hours if topics are different.)

HIST 489 Internship (1-4) Extension of academic experience to an organizational setting working at a history-focused library, archive, site, or historical organization; 50-200 hours of work-related experience under agency supervision. Prerequisites: Junior or senior standing; approval of agency and instructor. (F, S)

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. (S)

HIST 491 Directed Study (1-3) As announced. (May be repeated for a maximum of four 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)

HOSPITALITY MANAGEMENT (HRTM)

See Business Section

HUMANITIES (HUMN) – LOWER DIVISION

HUMN 1110 Introduction to World Humanities I (3) (Formerly HUM 222) 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 four 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 four hours if topics are different.) (TBA)

HUMN 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four 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)

See Business Section

MANAGEMENT (MGMT)

See Business Section

MARKETING (MKTG)

See Business Section

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 1510 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/SAT 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 MATH 1230 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) Continuation of Calculus II including multivariate and vector calculus, level curves and surfaces, partial derivatives, gradient, directional derivatives, tangent planes, optimization, multiple integrals in Cartesian, cylindrical and spherical coordinate systems. Prerequisite: MATH 1520. (F)

MATH 261 Elementary Mathematical Concepts I (3) 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 262 Elementary Mathematical Concepts II (3) Development of rational numbers, real numbers, functions of various degrees, statistics, and probability. A continued emphasis on building problem-solving ability. Prerequisite: MATH 261 with a grade of "C" or higher. (F, S)

MATH 2993 Workshop in Mathematics (1-3) (Formerly MATH 268) As announced. (May be repeated for a maximum of six 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)

MATHEMATICS (MATH) – UPPER DIVISION

MATH 310 Secondary Mathematical Concepts I (3) Development of the real number system, imaginary numbers, functions, the language of algebra, sets, mathematical modeling, and problem solving. (Even F)

MATH 311 Secondary Mathematical Concepts II (3) Nonlinear functions including the trigonometric functions, congruence, and similarity, and using technology in the classroom. A continued emphasis on building problem solving ability. Prerequisite: MATH 310. (Odd S)

MATH 317 Introduction to Geometry (3) Two- and three-dimensional Euclidean geometry and non-Euclidean geometry. Prerequisite: nine hours of college math. (Even S)

MATH 340 Foundations of Higher Mathematics (4) 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 262 with a grade of "C" or higher. (F, S)

MATH 351 Ordinary Differential Equations (4) Ordinary differential equations and methods for solving such equations; power series and Laplace transformations; elementary theory of existence and uniqueness of solutions. Prerequisite: MATH 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. (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 F)

MATH 400 Introduction to Topology (3) Review of set theory and logic; topologies, basis, continuous maps and homeomorphisms, connectedness and compactness. Prerequisite: MATH 340 (Even S)

MATH 407 Introduction to Complex Variables (3) Concepts of complex integration, differentiation, and mappings. Prerequisite: MATH 2530. (Odd F)

MATH 413 History of Mathematics (3) Concepts, symbols, and operations in mathematics; mathematical history in the teaching and learning of mathematics. Prerequisite: instructor approval. (Odd F)

MATH 415 Set Theory (3) Axioms for sets, ordering, cardinality, natural numbers, real numbers, cardinal numbers, axiom of choice. Prerequisite: instructor approval.

MATH 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: CSCI 1220 or EET 122 or CSCI 1210 and MATH 1350. (Even F)

MATH 422 Graph Theory (3) Trees, networks, cycles and circuits, planarity, colorability, matchings, independence, selected topics as time permits. Prerequisite: CS 2310 or MATH 340 or instructor approval. Recommended: CS 1210.

MATH 425 Mathematical Logic (3) Quantifiers, deductive proofs, predicate calculus, Gödel'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. Prerequisite: MATH 311. (Odd F)

MATH 442 Abstract Algebra II (3) Applications of abstract algebra: topics include permutation groups, symmetry groups, codes, graph theory, Boolean algebra, logic, networks. Prerequisite: MATH 341.

MATH 451 Linear Algebra (3) Advanced topics in linear algebra: topics include vector spaces, matrix algebra, inner product spaces, algebraic eigenvalue problems, Jordan forms and computations with matrices. Prerequisite: MATH 352.

MATH 468 Workshop in Mathematics (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.)

MATH 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

MATH 493 Topics in Mathematics (1-3) As announced. (May be repeated for credit if topics are different.)

MUSIC ACADEMIC COURSES (MUSC) – LOWER DIVISION

MUSC 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 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) 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 Western music from various cultures and times. (F, S, Su)

MUSC 1140 Music Appreciation: World Music (3) 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 World music from various cultures and times. (TBA)

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)

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. Prerequisite: Students must pass MUSC 1180 with C or better. (TBA)

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)This course will include instruction for non-music majors in beginning keyboarding skills. Students will develop their keyboard skills through practice and study of fundamentals. (S)

MUSC 1250 Class Voice I (1) (Formerly MUS 114) Laboratory experiences to help solve vocal problems and develop singing potential through group methods, with emphasis on the development of breathing, phonation, articulation, and expression. (May be repeated for a maximum of four 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 and Twentieth Century periods, as well as jazz and world music as it pertains to New Mexico and the surrounding southwest 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 convocations, concerts, and recital performances, creating a wider appreciation for the performing arts. A total of seven semesters are required, MUSC 1310/419 junior, senior. (F, S)

MUSC 1379 Introduction to Aural Skills (1) (Formerly MUS 102) Development of music notation, aural perception, rhythm, and sight singing. (S)

MUSC 1475 Fundamentals of Piano II (Non-Music Majors) (2) (Formerly MUS 108) Continuation of Fundamentals of Piano I (non-music majors). Prerequisite: MUSC 1220. (TBA)

MUSC 2130 Jazz Ensemble (1) This course is an exploration of jazz ensembles, allowing students to develop their abilities with their instruments in a group setting. Students will gain a broader understanding of jazz ensemble through study of musical history, as well as various practice exercises and performances. Open by audition only. (F, S)

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 2270 Music Composition (1-3) Private Lessons for Majors (may be repeated for credit). Required of all music majors. One half-hour lesson per week for one credit. One one-hour lesson per week for two credits. One one-hour lesson plus a seminar per week or equivalent for three credits. Music majors must attend a one-hour weekly Studio Class.

MUSC 2280 Jazz Theory (2) (Formerly MUS 200) Chords, modes, aural skills, basic keyboard skills and harmonization techniques in jazz and commercial idioms. Study of standard jazz tunes and transcriptions of jazz solos. Prerequisites: MUSC 1165, 1185. (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)

MUSC 2355 Class Piano III (1) (Formerly MUS 217) Continuation of Class Piano II. Prerequisite: MUSC 2350. (F)

MUSC 2360 Class Piano IV (1) (Formerly MUS 218) Continuation of Class Piano III. Prerequisite: MUSC 2355 (S)

MUSC 2430 Mixed Chorus (1) University Singers. Letter grades will be given for all ensembles. (May be repeated for credit.) Open to all students including music majors and music minors.

MUSC 2710A 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 1475 for piano students; MUSC 1250 for voice students. (F, S)

MUSC 2710 B-K Private Lessons: Various Topics (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 three credits.) Prerequisite: instructor approval. (F, S)

MUSC 2720 A/B Chamber Singers / Swanee Singers (1) Open by audition only to all students, including music majors and music minors. May be repeated for credit (F, S)

MUSC 2730 A-C (1) (A) Wind Symphony, (B) Marching Band, (C) Symphonic Band. 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.

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 (MUSC) – UPPER DIVISION

MUSC 301 Jazz Improvisation I (2) Chord and mode study on the 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, gestures, starts and stops, cues, fermatas, and 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 Western Music I (3) Music from the beginning of Western Civilization to 1750. Survey of Western Art Music in the Medieval, Renaissance, and Baroque periods. Covers major composers, genres, stylistic traits, and compositional techniques. Additional focus on influences from other arts and cultures, as well as political, social, intellectual, and cultural events and movements. It also develops abilities in listening, score analysis, writing, public speaking, and research techniques. Prerequisite: music major. (F)

MUSC 334 History of Western Music II (3) Music from 1750 to present. Survey of Western Art Music in the Classical, Romantic, and Modern Era periods. Covers major composers, genres, stylistic traits, and compositional techniques. Additional focus on influences from other arts and cultures, as well as political, social, intellectual, and cultural events and movements. It also develops abilities in listening, score analysis, writing, public speaking, and research techniques. 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 contemporary 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 with a grade of "C" or higher. 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. Concurrent enrollment (or grade of "C" or higher) in MUSC 342 or by instructor approval. Prerequisite: MUSC 343 with a grade of "C" or higher. (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 2210. (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, and 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 four 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 contemporary repertoire, with the accompanying activism regarding diversity and global/cultural issues, specifically those surrounding race, gender identity, and LGBTQ+ identity. Fulfills Diversity/Global requirement. (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 workstations. 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 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 three credits.) Prerequisite: instructor approval. (F, S)

MUSC 411 Conducting II (1) Conducting techniques, emphasizing rehearsal procedures and score study; interpretation of the 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 of approved concert events per semester, as outlined in the course syllabus. MUSC 419 may be repeated for credit three times. (F, S)

MUSC 452 Form and Analysis (2) A study of the significant small and large formal structures displayed by the music from the 18th century to the present. Prerequisite MUSC 342. (Odd F)

MUSC 454 Senior Project (3) A documented project chosen by the student and directed by a faculty-approved committee for topic and content. Suggested options: lecture/recital; pedagogical project; electronic media project; research paper; or concert production. Prerequisites: adviser and music department chair approval. (F, S)

MUSC 459 Internship in Music (3) On-the-job training in a public or commercial institution. A minimum of eight weeks of training in an approved facility followed by a written report prepared under the supervision of the cooperating institution and the student's adviser. (F, S)

MUSC 463 Stagecraft for Singers (1) Practicum in performance and production for rotating schedule of music theatre/opera. Stage movement, design/construction of set, costumes, lighting, and sound. Requires an audition for a major production. (May be repeated for credit.)

MUSC 464 Chamber Music Performance (1) Options: performance of piano ensemble literature; accompanying of degree recitals; performing in mixed ensembles. (May be repeated for credit.) (F, S)

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 a sophomore hurdle. (Even F)

MUSC 472 Piano Literature II (2) Analysis of piano literature after Beethoven. Prerequisite: completion of a 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 four 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 ENSEMBLES (MUSC)

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.

Large Ensembles

MUSC	2720A/437	Chamber Singers (1) (Open by audition only) (F, S)
MUSC	2430/476	Mixed Chorus (University Singers) (1) (F, S)
MUSC	2730A/496	Wind Symphony (1) (Open by audition only) (F, S)
MUSC	2730B/497	Marching Band (1) (F, S)
MUSC	2730C/498	Symphonic Band (1) (S)

Small Ensembles

MUSC	2720B/447	Swanee Singers (1) (Open by audition only) (F, S)
MUSC	269/469	Instrumental Ensembles: Steel Band (1) (F, S)

Percussion Ensemble (1) (F, S)

Brass Ensemble (1) (F, S)

Clarinet Choir (1) (F, S)

Flute Choir (1) (F, S)

Saxophone Ensemble (1) (F, S)

MUSC	2130/474	**MUSC 2130 Jazz Ensemble (1)** (Open by audition only) (F, S)

MUSC 474 Applied Music (1-3) (Open by audition only.)

Private Lessons for Non-Majors (may be repeated for credit)

MUSC	2710A/408	Private Lessons for the Non-Major

Private Lessons for Majors (may be repeated for credit) Required of all music majors. One half-hour lesson per week for one credit. One one-hour lesson per week for two credits. One 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.

MUSC	2710B/409	Secondary Instrument
MUSC	2710C/410	Vocal
MUSC	2710D/420	Piano
MUSC	2710E/440	Woodwind Instruments
MUSC	2710F/450	Brass Instruments
MUSC	2710G/460	Percussion Instruments
MUSC	2710H/470	Electronic Media
MUSC	2710J/490	Organ
MUSC	2270/458	Music Composition

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 the oboe and bassoon. (Odd F)

MUED 311 Woodwind Teaching Techniques II (1) Fundamental skills and related information for teaching woodwind instruments continued. Students must attain basic proficiency on the clarinet, flute, and saxophone. (Even S)

MUED 312 Brass Teaching Techniques (2) Fundamental skills and related information for teaching trumpet, horn, trombone, euphonium, and tuba. (Odd S)

MUED 313 String Teaching Techniques (1) Fundamental skills for teaching string instruments. (Odd S)

MUED 314 Percussion Teaching Techniques (2) Skills and related information for teaching percussion instruments. (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 grade K-6 music with an emphasis on areas covered by the music specialist, i.e., Orff, Kodaly, music reading, part singing. Includes ten hours of structured observation. Prerequisite: music major or minor or instructor approval. (Odd S)

MUED 403 Wind Ensemble and Band Literature (2) Survey of elementary through advanced literature. (S)

MUED 476A Teaching Secondary School Music – Choral Emphasis (3) Methods and materials for organizing and rehearsing secondary school vocal and instrumental music classes and ensembles. Includes ten hours of structured observation. Prerequisites: MUSC 306, 343, 344. (Odd S)

MUED 476B Teaching Secondary School Music – Instrumental Emphasis (3) Methods and materials for organizing and rehearsing secondary school vocal and instrumental music classes and ensembles. Includes ten hours of structured observation. Prerequisites: MUSC 306, 343, 344. (Even 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. Fulfills Diversity/ Global requirement. (F, S, Su)

NURS 315 Foundations of Professional Nursing (3) Exploration of the role of the professional nurse in the current health care environment. Introduction to ethical leadership in the development of high-quality, equitable, inclusive, and safe nursing practice for diverse populations, through evidence-based practice/scholarship, information management, interprofessional collaboration, and the nurse in role of change agent. Restricted to nursing majors. (F, S)

NURS 317 Nursing Management (3) Exploration of factors influencing health care delivery in the U.S., including economics, informatics, and the nursing management role. Restricted to nursing majors. (F)

NURS 319 Nursing Management of Pain (3) Concepts and processes relating to effective pain management and palliative care; includes clinical, ethical, legal considerations, and sociocultural determinants of health. Restricted to nursing majors. (S)

NURS 329 Integrative Care Concepts (3) Wellness concepts for the care of self and diverse populations across the lifespan explored through the dimensions of wellness, with incorporation of complementary and alternative therapies (CAT) and medicine (CAM). Restricted to nursing majors. (F, S)

NURS 360 Health Assessment (3) Theory, knowledge, and skill advancement in physical and psychosocial assessment, history taking, including determinants of health, and use of digital clinical technology across the lifespan. Restricted to nursing majors. (F)

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)

NURS 415C Community Health Nursing/Practicum (4) Exploration of topics encountered in community health nursing, such as public health principles, epidemiology, ethics, and vulnerable populations. Utilizing social determinants of health and public/community health theory, students complete 75 practicum hours of experiential learning through community service, community health assessment, and development/implementation of a community health project. Restricted to nursing majors. Prerequisite NURS 315. (F, S)

NURS 416 Evidence-based Practice and Nursing Research Applications (3) Exploration of evidence-based nursing practice (EBP) through critique and analysis of qualitative and quantitative nursing research, to support quality patient care and protocol guideline development. Restricted to nursing majors. (S)

NURS 417 Sociocultural Responsiveness in Nursing Practice (3) Examine various aspects of diversity through a holistic perspective, while recognizing individual cultural preferences and biases. Incorporates sociocultural considerations in providing nursing care for a globally diverse society. Restricted to nursing majors. (S)

NURS 425C Nursing Leadership/Practicum (4) Ethical and effective nurse leadership and management principles, professional identity, and conflict resolution. Explores the role of a professional nurse in affecting health policy. Utilizing leadership and nursing theory, students complete 75 experiential learning hours. Includes the design and development of a nursing leadership project. Restricted to nursing majors. Prerequisite NURS 315. (F, S)

NURS 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four 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)

NUTRITION (NUTR)

See Family and Consumer Sciences (FCST) Section

PERSONAL FINANCIAL PLANNING (PFP)

See Business Section

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, and 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 four hours if topics are different.)

PHIL 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.)

PHIL 493 Topic 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. (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. (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 11125L. (F)

PHYS 1125L Physics of Music Laboratory (1) (Formerly PHYS 123L) Experiments to accompany PHYS 1125. Concurrent enrollment: PHYS 1125. (F)

PHYS 1230 Algebra-based Physics I (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: MATH 1220 (or higher) with a grade of "C" or higher. Concurrent enrollment: PHYS 1230L. (F)

PHYS 1230L Algebra-based Physics I 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 Algebra-based Physics II (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 1230/L; MATH 1220 (or higher) with a grade of "C" or higher. Concurrent enrollment: PHYS 1240L. (S)

PHYS 1240L Algebra-based Physics II Laboratory (1) (Formerly PHYS 152L) A series of laboratory experiments associated with the material presented in PHYS 1240. Concurrent with or prerequisite: PHYS 1240 Algebra-based Physics II. (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. (TBA)

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 2993 Workshop in Political Science (1-3) (Formerly PSCI 268) As announced. (May be repeated for a maximum of six 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. Prerequisite: POLS 1120. (F)

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. (S)

POLS 311 Democracy in America (3) Development of democracy as a theory and its application into United States representative democracy. Prerequisite: POLS 1120. (Even S)

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 315 The Presidency (3) Development of the power of the United States presidency and its place in the national government. Prerequisite: POLS 1120. (TBA)

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. Prerequisite: POLS 1120. (TBA)

POLS/COMM 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 requirement. (F)

POLS 464 Contemporary Problems (3) Current critical problems and issues in domestic and/or international relations. Prerequisite: POLS 1120. (TBA)

POLS 468 Workshop in Political Science (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

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. Prerequisite: POLS 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 three hours can be used toward POLS requirements. Prerequisites: POLS 1120; GPA 3.00; department approval of assignment and credit hours. (May be repeated for a maximum of six hours with instructor approval.) (F, S, Su)

POLS 491 Directed Study (1-3) As announced. (May be repeated for a maximum of four 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

PSYC 1110 Introduction to Psychology (3) (Formerly PSY 101) This course will introduce students to the concepts, theories, significant findings, methodologies, and terminology that apply to the field of psychology. (F, S)

PSYC 2120 Developmental Psychology (3) (Formerly PSY 200) Study of human physical and psychological change and stability from a lifespan development perspective. (F, S)

PSYC 2130 Adolescent Psychology (3) (Formerly PSY 202) Study of human physical and psychological change and stability from adolescence through the emerging adulthood years. (F, S)

PSYC 2140 Child Psychology (3) (Formerly PSY 201) Study of human physical and psychological change and stability from conception through the late childhood years. (F, S)

PSYC 205 Writing and Careers in Psychology (3) Expectations for psychology majors and exploration of career options. Emphasis on APA writing and information literacy skills, success within the major, and career path planning. (F, S)

PSYC 2320 Health Psychology (3) This course examines how biological, psychology, and social factors interact with and affect different areas within health. Course will cover the role of stress in illness, coping with illness, pain management, and the role of health behavior in health and disease. (F, S)

PSYC 2520 Research Methods and Statistics in Psychology (3) (Formerly PSY 250) Designed to develop students' research and statistics skills in psychology. Students will learn to collect and analyze data within descriptive, inferential, and non-parametric research designs. Prerequisite: "C" or better in PSYC 1110. (F, S)

PSYC 2996 Topics in Psychology (1-3) (Formerly PSY 293) As announced. (May be repeated for credit if topics are different.)

PSYCHOLOGY (PSYC) – UPPER DIVISION

PSYC 300 Psychology of Adult Development (3) Study of human physical and psychological change and stability through the adulthood years. Prerequisite: PSYC 1110. (S, Su)

PSYC 302 Learning (3) Theoretical foundations of learning and behavior management paradigms. Prerequisite: PSYC 1110. (F)

PSYC/POLS 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 plans in the way power affects global human rights, the environment and justice. Fulfills Diversity/Global upper-division requirement. (F, S)

PSYC/SOCI 324 Social Psychology (3) Human interaction in social groups; the social aspects of human behavior. Prerequisite: SOCI 1110 or PSYC 1110. (F, S)

PSYC 350 Experimental Psychology (3) Survey of major findings and methods of experimental psychology, including perception, psychophysics, attention, and memory. Experimental design and analysis in psychological research are emphasized. Topics include use and interpretation of statistical analysis in research, including hypothesis testing, t-tests, analysis of variance and simple factorial designs. Prerequisite: "C" or better in PSYC 2520. (F, S)

PSYC 365 Environmental Psychology (3) Examines the field of environmental psychology, which studies the interrelationships between humans and the systems in which we live and work. The focus of the course is on both theory and application, addressing specific topics including (but not limited to): the history and scope of environmental psychology; theories of environment and behavior; environmental stress; natural and built environments; designing for humans; specialized living and working environments; and behavioral change in relation to contemporary global environmental and sustainability issues. Prerequisite: PSYC 1110. (F)

PSYC 402 Abnormal Psychology (3) Survey of psychological disorders including theoretical, clinical, and experimental approaches to psychopathology. Emphases on terminology, diagnostic features, etiology, assessment, and treatment of the major disorders. Prerequisite: PSYC 1110. (F, S)

PSYC 411 Theories of Personality (3) Personality theories with emphasis on description, dynamics, and determinants of personality. Prerequisite: PSYC 1110. (S)

PSYC 421 Cultural Psychology (3) Focus on connection and interaction between culture/cultural variation and human cognitions and behavior. Emphasis on fundamental versus plastic nature of culture/cultural variation. Prerequisite: PSYC 1110. (S)

PSYC 435 Cognitive Psychology (3) Survey of cognitive psychology emphasizing the information processing approach to the study of mental behavior including attention, memory, language, and problem solving. Prerequisite: PSYC 1110. (F, S)

PSYC 443 Theories of Psychological Counseling (3) Current theories of counseling and application. Prerequisite: PSYC 1110. (F)

PSYC 445 Introduction to Multicultural Counseling (3) Theories and research on counseling in a multicultural setting; current issues/concerns and counseling practices within the multicultural context. Prerequisite: PSYC 1110. (Even S)

PSYC 467 Physiological Psychology (4) The relationship between psychological process and physiological activity; neurophysiological mechanisms present in behavior. Prerequisite: PSYC 1110. (F, S)

PSYC 468 Workshop in Psychology (1-3) As announced.

PSYC 481 Advanced Social Psychology (3) Advanced study of topics within social psychology; interpretation of published theoretical and empirical work. Prerequisite: PSYC 324. (Odd F)

PSYC 483 Field Placement (3-10) Field placement in an appropriate agency. Supervision by professional staff from a cooperating agency and the department of psychology faculty. (May be repeated for credit up to ten credit hours.) Prerequisite: instructor approval.

PSYC 484 Senior Seminar (3) Capstone course involving integration of knowledge and experiences in the major, completing an independent project (research, field placement, service learning) emphasizing oral and written communication skills, and completing program assessment. Prerequisite: senior psychology major. (F, S)

PSYC 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of six hours.) Prerequisite: instructor approval.

PSYC 493 Topics in Psychology (1-3) As announced. (May be repeated for credit with adviser approval if topics are different.) (TBA)

PSYC 495 Senior Thesis (1-3) An independent, in-depth study of a psychological science issue/problem; involves writing a formal research proposal, securing IRB approval as appropriate, collecting, and analyzing data, and formal oral and written APA format research report. (May be repeated for a maximum of three credit hours.) Must be senior psychology major. Prerequisites: "C" or better in PSYC 350 and consent of instructor.

RELIGION (RELG) – LOWER DIVISION

RELG 1110 Introduction to World Religions (3) (Formerly REL 107) This course introduces major world religions and the scholarly methods of the academic study of religion. (F, S)

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)

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. (Even S)

RELG 2993 Workshop in Religion (1-3) (Formerly REL 268) (May be repeated for a maximum of six 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 301 Poetical Literature of the Old Testament (3) A study of the character, historical settings, and content of the Poetic and Prophetic Literature of the Hebrew Scriptures. (Odd S)

RELG 302 Johannine Literature (3) The writings attributed to the Apostle John; his understanding of Christ and his contributions to the Christian message. (Even F)

RELG 305 Historical Literature of the Old Testament (3) A study of the historical books of the Hebrew Scriptures, from Genesis through Esther. (Even 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. (Even S)

RELG 340 Religion and Science (3) A course focusing on both the historic and contemporary dialogue between religion and science; topics include evolution and creation, quantum theory, cosmology, epistemology, the nature of reality and scientific ethics. (Even F)

RELG 401 Pauline Epistles (3) An in-depth examination of St. Paul's epistles with a special focus on the establishment of Christian doctrine and practice for the early Church (Odd F)

RELG 402 World's Living Religions (3) Comparative study of the great religions functioning in the world today. Fulfills Diversity/ Global requirement. (F, S)

RELG 420 The General Epistles (3) A study of Hebrews, James I and II, Peter and Jude. (Odd S)

RELG/GREK 423 Advanced Greek Translation and Exegesis (2) Selected passages from the New Testament and other Greek writings. Prerequisite: GREK 1120. (TBA)

RELG/GREK 424 Advanced Green Translation and Exegesis (2) Continuation of RELG/GREK 423. Prerequisite RELG/GREK 423. (TBA)

RELG 468 Workshop in Religion (1-3) As announced. (May be taken for a maximum of six hours if topics are different.) (TBA)

RELG 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) (TBA)

RELG 493 Topics in Religion (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

SOCIAL WORK (SOWK) – LOWER DIVISION

SOWK 2110 Introduction to Human Services and Social Work (3) This course is for students who are interested in social welfare issues and/or are considering entering a social service profession. The course presents an overview of social problems, issues and trends, and the network of social agencies developed to address these concerns. The course examines the influence of personal and professional values and ethics on the helping relationship. The concept of social welfare will be discussed from a social work perspective (with an emphasis on social justice), and students will gain a basic understanding of social work in U.S. society, social work career opportunities, and contemporary issues facing social workers. Approaches relevant to work with individuals, families, groups and communities are presented, with special emphasis on Hispanic and Indigenous populations of New Mexico and the Southwest. (F, S, Su)

SOWK 212 Ethics in Addictions Work (3) Course covers ethical practice as it relates to work in substance abuse. The course presents an overview of ethical standards of the social work profession as they relate to this population. The course examines personal and professional values in relation to client needs and cultural influences. Students are taught the concepts of working with clients with substance abuse, to include support systems and community dynamics. (F, S)

SOWK 213 Trauma and Addictions (3) Course explores the experience of trauma and the nature of addiction. This course introduces the concepts of mind-body connection, adverse childhood experiences, theory of trauma, comorbidity, client support structures, and client-practitioner relationships as they relate to substance abuse. (F, S)

SOCIAL WORK (SOWK) – UPPER DIVISION

SOWK 311 Social Work Practice I – Individuals (3) Overview of individual client systems and integrating research and theory in practice with respect to the sociotechnical context. Development of skills and techniques (engagement, assessment, intervention, and evaluation) in working with individual clients. Restricted to SOWK program students only. (F, S)

SOWK 312 Social Work Practice II – Families (3) Overview of family systems and integrating research and theory in practice with respect to the sociotechnical context. Development of skills and techniques (engagement, assessment, intervention, and evaluation) in working with diverse families. Restricted to SOWK program students only. Prerequisite: SOWK 311. (F, S)

SOWK 320 Introduction to Military Social Work (3) Course explores military cultural competence with active-duty military members, veterans, and their families. Students will learn how federal policy dictates mission requirements, experience deployment operations, its impact on families, and how helping professionals support global operations with all military branches. Additional topics covered are an overview of military structure, history of war and conflict, and social work prevention, intervention, and treatment modalities supporting military members and their families. Open to all students. (S)

SOWK 321 Human Behavior in the Social Environment (HBSE) (3) Course explores the development and determinants of human behavior in settings of bio-psycho-social, cultural, spiritual, political, and technological influence. Study of individual and family development. Role of oppression, gender, social and economic justice in society. Open to all students. (F, S, Su)

SOWK 341 Social Welfare Policy I (3) Course examines the history and current structures of social policy and services affecting multiple populations within a global context. Through research and analysis of social, cultural, economic, organizational, and environmental influences, students will explore how policies impact clients on the micro, mezzo, and macro levels of practice. Course covers formulation, analysis, implementation, and evaluation processes with an emphasis on populations at risk, current policy, and social and economic justice. Open to all students. (F, S)

SOWK 345 Working with Aging Populations (3) Integration of theories, skills and practice needed to provide services to aging populations. Will consider social and economic justice, societal values, impact of technological advances, and interrelationships between the aging population and achieving practice objectives. Open to all students. (F, S, Su)

SOWK 349 Perspectives in Mental Health (3) Course covers social, economic, substance use, and environmental factors related to mental health. Emphasis of theories, introductions to diagnosis, and development of practice and service skills. Open to all students. (F, S, Su)

SOWK 350 Helping in the Rural Environment (3) Introduction of rural social services work in the 21st Century. Examination of social work practice from the rural perspective with respect to diversity, equity, and inclusion as well as culture, policy, and practice challenges. Course emphasis is on the unique nature of work with rural communities. Open to all students. (Su)

SOWK 360 Chemical Dependency – Significances and Consequences (3) Course provides overview of service provision to individuals, families, groups, and communities with specific needs and requirements pertaining to chemical dependencies. Theories, models, definitions, interventions, and treatments will be examined. Open to all students. (F, S)

SOWK 361 Preparation for Field Placement (3) Seminar preparing students for social work field placement. Reviews career development, self-knowledge, professional ethics and behavior, sociotechnical impact on practice, use of supervision, confidentiality, insurance/liability, field policies, licensure, and community social services agencies. Restricted to SOWK program students only. (F, S)

SOWK 413 Social Work Practice III – Small Groups (3) Integration of engagement, assessment, intervention, and evaluation in small group settings both natural and created. Group methods, leadership, diversity, values, oppression, empowerment, justice issues, and sociotechnical context covered. This course has an 8-week interprofessional education module within its curriculum, requiring collaboration with students from other disciplines. Restricted to SOWK program students only. Prerequisite: SOWK 312. (F, S)

SOWK 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. (F, S, Su)

SOWK 426 Human Diversity and Multiculturalism in Social Work Practice (3) Course provides a conceptual framework for understanding characteristics of specific population groups who have been underserved and oppressed. Intersectionality, local-global interdependence, cultural humility, diversity, equity, and inclusion are emphasized in examination of factors impacting the psychosocial functioning of these groups. Additionally, the course explores practice at the micro, mezzo, macro levels within this context. Open to all students. (F, S)

SOWK 445 Social Work Practice IV Macro (3) Integration of engagement, assessment, intervention, and evaluation with larger social environment systems. Course explores practice within communities, organizations, social work management, administration, and political structures with respect to the sociotechnical context. Restricted to SOWK program students only. Prerequisites: SOWK 413 and SOWK 448. (F, S)

SOWK 447 Impact of Child Abuse and Neglect (3) Course covers work in child maltreatment with respect to recognition, provision of services, and long-term effects. Emphasis is on impact of trauma and appropriate client supports. Open to all students. (F, S, Su)

SOWK 448 Social Research (3) Course introduces statistical analysis/interpretations and research theory, methods, and design. Students apply experience and theory to inform research process integration into social work practice. Use of continuous quality improvement framework to advance the science of social work and practice. Restricted to SOWK program students only. (F, S)

SOWK 450 Inside Family Violence (3) Examination of antecedent behaviors, prior family history and other contributory factors as predictors of family violence. Prevention services for victims and potential offenders discussed. Open to all students. (F, S)

SOWK 455 Field Placement/Seminar 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. Synchronous seminar attendance is required. Prerequisite: SOWK 361. Restricted to SOWK program students only. (F, S)

SOWK 465 Field Placement/Seminar 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. Synchronous seminar attendance is required. Prerequisite: SOWK 455. Restricted to SOWK program students only. (F, S)

SOWK 468 Workshop in Social Work (1-3) As announced. (May be repeated for a maximum of six credit hours if topics are different.) (TBA)

SOWK 489 Internship in Social Work (1-4) Supervised on-the-job experience related to the discipline. Variable credit dependent on hours completed at agency and supporting academic assignments submitted. Grading is satisfactory/unsatisfactory. (May be repeated for a maximum of four credits.) Prerequisite: Field/program director approval. Restricted to SOWK program students only. (F, S, Su)

SOWK 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four credit hours.)

SOWK 493 Topics in Social Work (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

SOWK 498 Senior Seminar (3) Capstone course on the professional foundations of social work. Evaluation of program students' integration of classroom and field education on the CSWE competencies and the NASW Code of Ethics. Self-care, professional conduct, practice, and licensure are emphasized. Restricted to SOWK program students only. (F, 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 students' sociological understanding of how sociological approaches attempt to clarify various issues confronting contemporary life, as well as how sociologists view solutions to these problems. (S)

SOCI 2993 Workshop in Sociology (1-3) (Formerly SOC 268) As announced. (May be repeated for a maximum of six hours if topics are different.) (TBA)

SOCI 2996 Topics in Sociology (1-3) (Formerly SOC 293) As announced. (May be repeated for credit if topics are different.) (TBA)

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. Fulfills Diversity/Global requirement. (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. Prerequisite: Completion of or concurrent enrollment in SOCI 2110. (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 and completion of or concurrent enrollment in SOCI 2110. (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 and completion of or concurrent enrollment in SOCI 2110. (S)

SOCI/PSYC 324 Social Psychology (3) Human interaction in social groups; the social aspects of human behavior. Prerequisite: SOCI 1110 or PSYC 1110 and completion of or concurrent enrollment in SOCI 2110. (F, S)

SOCI 325 Social Statistics (3) This course offers an introduction to the application and interpretation of statistical analysis in the social sciences. Prerequisite: completion of or concurrent enrollment in SOCI 2110. (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: completion of or concurrent enrollment in SOCI 2110. (F)

SOCI 411 Contemporary Sociological Theory (3) Major contributions to sociological theory from the twentieth century. Prerequisite: completion of or concurrent enrollment in SOCI 2110. (S)

SOCI 414 Sociology of Religion (3) Sociological analysis of the relationship between religion and society. Explores denominations, new religious movements, conversion/deconversion, religious identity, secularization, minority religions, inequalities, and religion. Prerequisite: completion of, or concurrent enrollment in SOCI 2110. (Odd F)

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. Prerequisite: completion of, or current enrollment in SOCI 2110. (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. Prerequisite: completion of, or concurrent enrollment in SOCI 2110. (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. Prerequisite: completion of, or concurrent enrollment in SOCI 2110. (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. Prerequisite: completion of, or concurrent enrollment in SOCI 2110. (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 and completion of, or concurrent enrollment in SOCI 2110. May also be used as an elective in the Criminal Justice major or minor. (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 and completion of, or concurrent enrollment in SOCI 2110. (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. Prerequisites: ANTH 1140, SOCI 1110 or CJUS 1110 and completion of, or concurrent enrollment in SOCI 2110. (F, S)

SOCI 468 Workshop in Sociology (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: SOCI 1110. (TBA)

SOCI 489 Internship (1-4) Extension of academic experience to an organizational setting within a social/community service; 50-200 hours of work-related experience under agency supervision. Prerequisites: Junior or senior standing; approval of agency and instructor. (F, S)

SOCI 491 Directed Study (1-4) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: SOCI 1110. (TBA)

SOCI 493 Topics in Sociology (1-3) As announced. (May be repeated for a maximum of six hours if topics are different.) Prerequisite: SOCI 1110 and completion of, or concurrent enrollment in SOCI 2110. (TBA)

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, 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 or placement test. (S)

SPAN 1410 Spanish for Health Care Professionals (4) (Formerly SPAN 106) This course is designed to develop the student's ability to understand, speak, read, and write the Spanish language within a health profession framework because linguistic and cultural knowledge are essential for communication with patients. (Even F)

SPAN 1420 Continuation of Spanish for Health Care Professionals (4) (Formerly SPAN 107) This course is designed to develop the student's ability to understand, speak, read, and write the Spanish language within a health profession framework because linguistic and cultural knowledge are essential for communication with patients. Prerequisite: SPAN 1110, 1410, or placement test. (Odd S)

SPAN 2110 Spanish III (3) (Formerly SPAN 201) This course is based on the integration of learning outcomes across Interpersonal, Interpretive, and Presentational Modes of Communication at the intermediate low level of proficiency based on ACTFL guidelines. Students accomplish real-world communicative tasks in culturally appropriate ways as they gain familiarity with the target culture(s). This is an intermediate course aimed at helping the student to communicate in Spanish on familiar topics about self, others and everyday life at the same time that they recognize and handle short social interactions in interactions in everyday situations by asking and answering a variety of questions. Prerequisite: SPAN 1120 or placement test. (F)

SPAN 2120 Spanish IV (3) (Formerly SPAN 202) This course is based on the integration of learning outcomes across Interpersonal, Interpretive, and Presentational Modes of Communication at the intermediate high level of proficiency based on ACTFL guidelines. Students accomplish real-world communicative tasks in culturally appropriate ways as they gain familiarity with the target culture(s). This is an intermediate course aimed at helping the student to communicate in Spanish on familiar topics about self, others and everyday life at the same time that they recognize and handle short social interactions in interactions in everyday situations by asking and answering a variety of questions. (S)

SPAN 2210 Spanish for Heritage Learners III (3) (Formerly SPAN 105) Intermediate Spanish for Heritage Speakers I is a third-semester course designed for students who have been raised in a Spanish-speaking environment and speak, or understand, some Spanish as a result of hearing it in the home, and in the community by family, friends, and neighbors. Students in this course will continue to develop their ability to narrate events in the past and will be able to describe hypothetical situations. Students will also develop their ability to express wishes, desires, and necessities. This course will help the student build confidence in their Spanish abilities and expand the language use in the areas of writing, reading, oral production and listening comprehension. To foster a desire to revitalize and maintain the Spanish language we attempt to raise students' critical awareness of wider issues facing Spanish speakers in the U.S. context. Prerequisite: Placement test. (F)

SPAN 2220 Spanish for Heritage Learners IV (3) (Formerly SPAN 205) Intermediate Spanish for Heritage Speakers II is a fourth-semester course designed for students who have been raised in a Spanish-speaking environment and speak, or understand, Spanish as a result of having heard it in the home and in the community. It is also for students with a cultural connection to heritage language speech communities or who have achieved proficiency from study in previous courses. This course will help the student build confidence in their Spanish abilities and expand the language use in the areas of writing, reading, oral production and listening comprehension. In addition to scaffolding skills that students 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. Prerequisite: SPAN 2210 or placement test. (S)

SPAN 2277 The Art and Skill of Translation (3) (Formerly SPAN 203) Introduces the art and profession of translation with a focus on practical translation problems in Spanish. Studies texts from the area of journalism, law, business and literature for translation from Spanish to English and form English to Spanish. This course introduces the art of translation and an overall view of this field. Students will sharpen their insight on linguistic issues, vocabulary and grammatical structures of Spanish and English, and they will develop analytical thinking into the nature of translation. This course will examine basic techniques in translation and will develop student's competence in solving translation problems through practical examples. Throughout the course students will translate numerous texts from Spanish to English and English to Spanish from the fields of journalism, business, law, computer science and medicine. Prerequisite or concurrent enrollment: SPAN 2120 or SPAN 2220 or placement test. (F)

SPAN 2520 Short Readings in Hispanic Literature: Immersion (3) (Formerly SPAN 212) This course seeks to familiarize students with the literature, culture, and history of Spain. Focus on short stories and/or book segments of prominent Spanish writers allows students to learn the basic elements of the various genres of literature, literary interpretation techniques, and important topics in Hispanic culture. Prerequisite: SPAN 1120, 2210 or placement test. (Su)

SPAN 2521 Short Readings in Hispanic Culture: Immersion (3) (Formerly SPAN 210) This course seeks to familiarize students with the literature, culture and history of Spain. Focus on short stories and/or book segments of prominent Spanish writers all students to learn the basic elements of the various genres of literature, literary interpresentation techniques and important topics of Hispanic literature. 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.) (TBA)

SPAN 2996 Topics in Spanish (1-3) (Formerly SPAN 293) As announced. (May be repeated for credit if topics are different.) (TBA)

SPANISH (SPAN) – UPPER DIVISION

SPAN 300 Introduction to Hispanic Literature (3) In this course, students will examine various literary genres in Spanish and Spanish American literature. Students will identify common literary elements in each genre, practice literary analysis, and learn language and style through an introductory survey of literature. Students will gain an understanding of Spanish and Spanish American culture, history, and social issues through literature. Prerequisite or concurrent enrollment: SPAN 311. (F)

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. (Odd F)

SPAN/ENGL 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 requirement. Prerequisite: ENGL 1110 with a "C" or better. (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. Prerequisite: Span 2120 or 2220. (Odd S)

SPAN 311 Advanced Conversation and Composition (3) Write proficiently in Spanish in a variety of formats and practice intensive conversation. Prerequisite or concurrent enrollment: SPAN 2120 or 2220, or placement test. (S)

SPAN 325 Peninsular Culture and Civilization (3) Intellectual, cultural, and historical background of the Spanish people. Prerequisite or concurrent enrollment: SPAN 311. (Even S)

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 or concurrent enrollment: SPAN 311. (Odd S)

SPAN 330 Introduction to Hispanic Linguistics (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 or placement test. (Even F)

SPAN 331 Latin American Literature Survey I (3) This course surveys Latin American literature from the Colonial period through 19th-century Romanticism. This course surveys specific literary works – such as short stories, novels, poems, and plays – as well as the social, cultural, intellectual currents that influenced the literature. Prerequisite: SPAN 300 Introduction to Hispanic Literature. (Odd F)

SPAN 332 Latin American Literature Survey II (3) This course is a survey of Latin American literature from Modernismo through contemporary works. This course surveys specific literary works – such as short stories, novels, poems, and plays – as well as the social, cultural, intellectual currents that influenced the literature. Prerequisite: SPAN 300 Introduction to Hispanic Literature. (Even S)

SPAN 351 Peninsular Literature Survey I (3) This course surveys Spanish literature from the 11th to the 17th century. This course offers a look at the path toward the creation of identity (national and imperial) through a panoramic view of Medieval (Middle Ages), Renaissance, and Baroque literature (Golden Age) in the Iberian Peninsula. Prerequisite: SPAN 300 Introduction to Hispanic Literature. (Even F)

SPAN 352 Peninsular Literature Survey II (3) This course offers a study of Spanish literature from the 18th to the 20th century in the Iberian Peninsula. This course surveys specific literary works – such as short stories, novels, poems, and plays – as well as the social, cultural, intellectual currents that influenced the literature. Prerequisite: SPAN 300 Introduction to Hispanic Literature. (Odd S)

SPAN 410 Hispanic Culture and Civilization: Immersion (3) Study of Hispanic culture and civilization in an immersion setting. Prerequisite: SPAN 311, 330 or instructor approval. (Su)

SPAN 411 Hispanic Literature: Immersion (3) Study of Hispanic literature in an immersion setting. Course content will vary each year. Prerequisite: SPAN 311, 330 or instructor approval. (Su)

SPAN 436 Teaching of Modern Languages (3) For students certifying in elementary and/or secondary education as language teachers. Prerequisites: SPAN 311 and 330. (Odd S)

SPAN 468 Workshop in Spanish (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

SPAN 489 Internship (1-6) As an extension of academic experience, this internship provides practical experience in an organized setting to prepare students for a career in the various Spanish professions. Students will consult with their advisor to determine area of specialization relevant to their career goals. Prerequisite: SPAN 311. (As announced)

SPAN 490 Test Preparation for Interpretation Certificate (1) This course prepares students for the interpretation certification examination. Students will practice the three primary modes: consecutive interpretation, simultaneous interpretation, and sight translation, in addition to learning protocol and procedure. Prerequisites: SPAN 301 and 330. (Even S)

SPAN 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

SPAN 493 Topics in Spanish (1-3) As announced. (May be repeated for credit if topics are different.) Prerequisite: second semester junior or senior standing or instructor approval. (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 weakness before graduation. Prerequisites: SPAN 311, 330, and senior standing. (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 visual presentation of numerical data. These concepts will be illustrated by examples from a variety of fields. Prerequisite: MATH 1218 or 1220 or 1510 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/SAT score and high school GPA. Please consult your adviser. (F, S, Su)

MATH 2993 Workshop in Mathematics (1-3) (Formerly MATH 268) As announced. (May be repeated for a maximum of six 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)

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 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 mungling/scraping/sampling/cleansing, data storage and management, visualization, and effective communication of results. Prerequisite: STAT 313. (Even F)

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 468 Workshop in Statistics (1-3) As announced. (May be repeated for a maximum of three hours if topics are different.) (TBA)

STAT 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four hours.) Prerequisite: instructor approval.

STAT 493 Topics in Statistics (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

THEATRE (THEA) – LOWER DIVISION

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 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 First-Year Seminar FYEX 1110. (F)

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 (3) (Formerly THTR 202) Acting for the Camera 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 1210 or 1220. (F)

THEA 2310 Stagecraft (3) (Formerly THTR 204) Student will explore basic skills for scenic designers and techniques of set construction for the stage, including building scenery, rigging, painting and properties. Fee required. (S)

THEA 2310L Stagecraft Laboratory (1) Class members will assist with construction for productions in a studio environment. May be repeated for up to three credits. (F, S)

THEA 2340 Introduction to Design (3) Introduction into our visual world via the language of designers, focusing on collaboration, creative thinking, and presentation skills. The varied design professions in theatre and the performing arts will be explored. (F)

THEA 2420 Voice and 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 2430 Principles of Stage Management (3) Functions, duties, and responsibilities of the stage manager in rehearsal and performance. Students will experience the role of stage manager by working on a running crew. (Even S)

THEA 2993 Theatre Workshop I (1-3) (Formerly THTR 268) As announced. (May be repeated for credit if topics are different.) (TBA)

THEA 2996 Topics in Theatre (1-3) (Formerly THTR 293) As announced. (May be repeated for credit if topics are different.) (TBA)

THEA 2998 Theatre Internship (2-6) Supervised practical internship in departmentally approved stock and/or repertory theatre experiences. As announced. (May be repeated for credit.) Prerequisites: application to departmental internship committee; department approval. (F, S, Su)

THEATRE (THEA) – UPPER DIVISION

THEA 301 Intermediate Acting (3) Development of voice, body, mind, and emotions. Practice in dramatic situations scripted and improvised stressed. Prerequisite: THEA 1210 or 1220. (Even F)

THEA 303 Directing Actors (3) Focuses on eliciting a believable performance from an actor cast in either stage or film. Fundamental elements of directing the movements, business, and emotions of the actor in a play or film script. Prerequisites: THEA 1210 or 1220; FDMA 1140. (Odd S)

THEA 304 Theatrical Design (3) An introduction to the elements and principles of design as demonstrated through the modeling and rendering techniques used in the development of costumes, scenery, and lighting for the theatre. (TBA)

THEA 309 Global Theatre (3) Survey of big theatre movements around the world with specific focus on theatre cultures not covered in standard textbooks or other theatre courses. The first portion of the course will be a general survey covering world theatre. The second half of the semester will be a workshop exploring a specific global theatre style. (Odd F)

THEA 313 Theatre History I (3) Surveys the history of theatre and drama from Ancient Greece through the English Restoration. Conventions of theatrical production and exploration of the contemporary relevance of certain ideas and values in historical drama. (Even F)

THEA 314 Theatre History II (3) History of theatre and drama from French Neoclassicism to the present day. Study of avant-garde manifestos, the political theatre of Bertolt Brecht, and the origins and development of the contemporary theatre. (Odd S)

THEA 321 Advanced Acting (3) Advanced problems in acting; continued coordination of mind, body, and voice; includes movement for the actor, period style and advanced techniques in scene study. Prerequisite: THEA 301. (Odd S)

THEA 324 Workshop in Playwriting (3) Techniques of playwriting through theoretical studies and practical exercises. Introduces the playwriting process which includes cold reading, dramaturgy, feedback, and rewrites. (Even F)

THEA 325 Style and Content in Production Design (3) Focuses on the choices that directors and designers make in the process of determining the "look" of a show or film. Considerations will include style and its relationship with the content of the script, how to translate general concepts about style and content into actual material choices, and how to coordinate style elements within a production. (Odd F)

THEA 330 Theatrical Performance and Production (1) Students will participate in University Theatre Center productions as cast or as significant crew members. The student must fulfill all requirements of the cast or crew position for which they have committed as verified by the director or supervising faculty. May be repeated for up to six credits. (F, S)

THEA 348 Stage Combat (3) 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 storytelling in the theatre. (TBA)

THEA 402 Open Laboratory (3) Begins with study of significant writers, directors, or performance artists as inspiration for devised work by students in the class. The product of the class will be a series of public performances. (Even S)

THEA 404 Acting for the Camera II (3) Advanced scene study to evoke truthful performances for the camera. Furthers technical expertise begun in THEA 2210. Prerequisite: THEA 2210. (Even S)

THEA 405 Technical Production (3) Practical experience and training in activities involved with the technical production of theatre. (May be repeated for credit.) Prerequisite: THEA 2340. (Even F)

THEA 410 The Business of Show Business (3) At the conclusion of this career-oriented course, students will have an actor's reel, audition portfolio; know how to write sample query letters and navigate the professional world. Trade and industry papers are the texts for the course. (Even S)

THEA 411 Children's Theatre (3) Explores the process of developing a production for children, by children. Topics include creative dramatics, rehearsal games and techniques as well as youth performance. (TBA)

THEA 412 Advanced Stage Directing (3) Directing for the stage; includes advanced scene work techniques and modern trends in directing theories. Prerequisite: THEA 303. (TBA)

THEA 444 Improv to Script (3) Provides students with techniques for utilizing improvisational acting for script creation. The course will begin with basic improv rules and games. We will cover basic improv, dramatic improv, comedic writing, and devised theatre. (Even S)

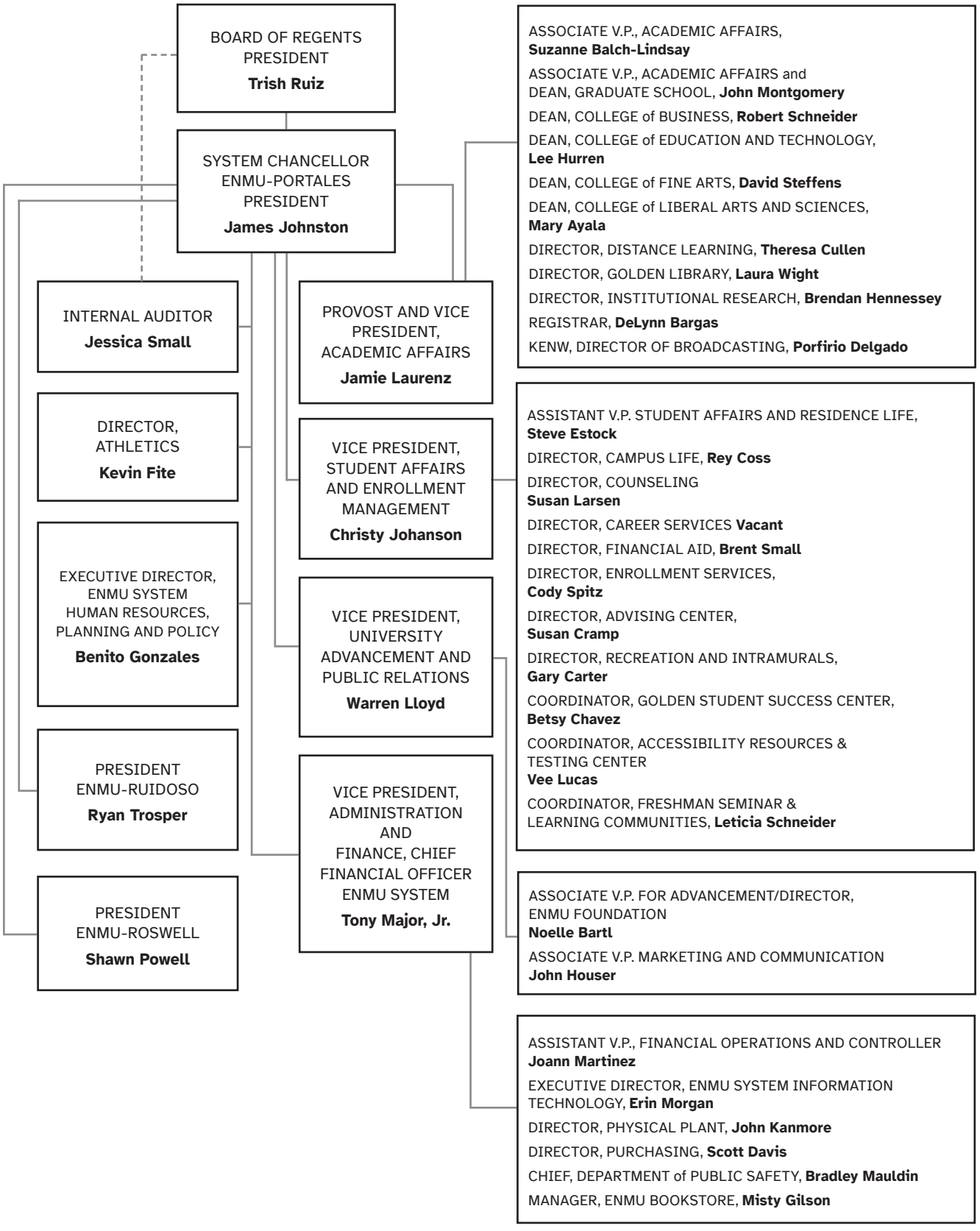
THEA 468 Workshop in Theatre (1-3) As announced. (May be repeated for credit if topics are different.) (TBA)

THEA 491 Directed Study (1-3) Independent study. (May be repeated for a maximum of four credits.) (F, S, Su)

THEA 493 Topics in Theatre (1-3) As announced. (May be repeated for credit if topics are different.) Prerequisite: instructor approval. (TBA)

THEA 496 Theatre Internship (2-6) Supervised practical internship in departmentally approved stock and/or repertory theatre experiences. As announced. (May be repeated for credit.) Prerequisites: application to departmental internship committee and department approval. (F, S, Su)

ENMU Administrative Chart



2025-27 Eastern New Mexico University

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President

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Shawn Powell
President

UNIVERSITY FACULTY

Ananta Acharya | Assistant Professor of Mathematical Sciences (2024) | B.S., M.S., Tribjuvan University; PhD., University of North Carolina, Greensboro

Johannes Addido | Graduate Coordinator, Department of Curriculum and Instruction; Assistant Professor of Elementary Education (2023) | B.Sc., Kwame Nkrumah University of Science and Technology; M.S., Duke University; Ph.D., University of Wyoming

Hamid Allamehzadeh | Professor of Electronics Engineering Technology (1998) | B.S., M.S., Ph.D., University of Oklahoma

Precious Allor | Assistant Professor of Economics (2025) | B.A., Kwame Nkrumah University of Science and Technology; M.A., Eastern Illinois University; Ph.D., Kansas State 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.

George Arguello | Director, Bachelor of Social Work Program; Instructor of Social Work (2024) | B.S., Eastern New Mexico University; M.S.W., New Mexico Highlands University

Megan Arlett | Assistant Professor of Creative Writing (2022) | B.A., University of Leicester; M.F.A., Florida International University; Ph.D., University of North Texas

Brendon Asher | Blackwater Draw Director; Assistant Professor of Anthropology (2016) | B.A., M.A., University of Kansas

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 | Associate Vice President of Academic Affairs; Professor of History (1995) | B.A., M.A., Ph.D., Texas Tech University

Kalynn Baldock | Chair, Department of Agriculture, Food Science, and Kinesiology; Associate Professor of Agriculture (2020) | B.S., M.S., Eastern New Mexico University; Ed.D., Texas Tech University

Matthew Barlow | Graduate Coordinator; Chair, Department of Biology; Professor of Biology (2010) | B.S., University of New Mexico; M.S., Ph.D., University of North Texas Health Science Center at Fort Worth

Jonathan Barr | Chair, Department of Theatre and Digital Filmmaking; Associate Professor of Digital Filmmaking (2012) | B.A., M.F.A., Temple University

Susan Bassett | Instructor of Nursing (2015) | B.A., Augustana College; M.S., South Dakota State University; Ph.D., Capella University

Stephanie Beinlich | Assistant Professor of Voice (2017) | B.M., Western Michigan University; M.M., D.M.A., University of South Carolina

Cindy Benge | Associate Professor of Reading and Literacy Education (2019) | B.A., Texas Tech University; M.Ed., Ed.D., Sam Houston State University

Marina Bengoa Roldan | Assistant Professor of Music (2024) | B.M., CSMC Salvador Segui; M.M., Georgia State University; D.M.A., University of Oregon

Lonnie Berry | Instructor of Communication (2023) | B.U.S., M.A., Eastern New Mexico University

Sangharsha Bhatta | Instructor of Mathematics (2024) | B.S., Troy University; M.S., University of Alabama at Birmingham

Marie Bird| Assistant Professor of Music (2023) | B.M., Florida State University; M.M., University of Alabama; D.M.A., Texas Tech University

Janet Birkey | Assistant Professor of Counseling (2018) | B.A., M.A., Eastern New Mexico University; D.C., Midwestern College

Gary Bond | Chair, Department of Psychology and Political Science; Professor of Psychology (2014) | B.A., M.A., Ph.D., New Mexico State University

Steven Brust | Associate Professor of Political Science (2014)| B.S., University of Southern California, Los Angeles; M.A., Franciscan University of Steubenville; M.A., Ph.D., The Catholic University of America

Patricia Cabrales Arellano | Assistant Professor of Biology (2023) | B.S., Technological Institute of Valle del Guadiana; M.S., National Polytechnic Institute; Ph.D., Universidad Nacional Autonomas de Mexico

Omar Camarillo | Professor of Criminal Justice (2015) | B.S, M.S., University of Texas-Pan American; Ph.D., Texas A&M University at College Station

Lisa Campbell | Instructor of Culinary Arts (2020) | B.S., M.A., New Mexico State University

Tracy A. Carr | Professor of Music (1999) | B.M., University of Rhode Island; M.M., Miami University; D.M.A., University of Southern California

Edgar Ceh Varela | Assistant Professor of Computer Science (2021) | B.S., Technological Institute of Merida; M.I.T., Inter-American University for Development; Ph.D., New Mexico State University

Deborah Chavez | Instructor of Social Work (2022) | B.S.W., Eastern New Mexico University; M.S.W., Western New Mexico University

Corey Cole | Chair, Financial Disciplines Department; Associate Professor of Finance (2014) | B.B.A., M.B.A., Eastern New Mexico University; Ph.D., Northcentral University

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ENMU Legend

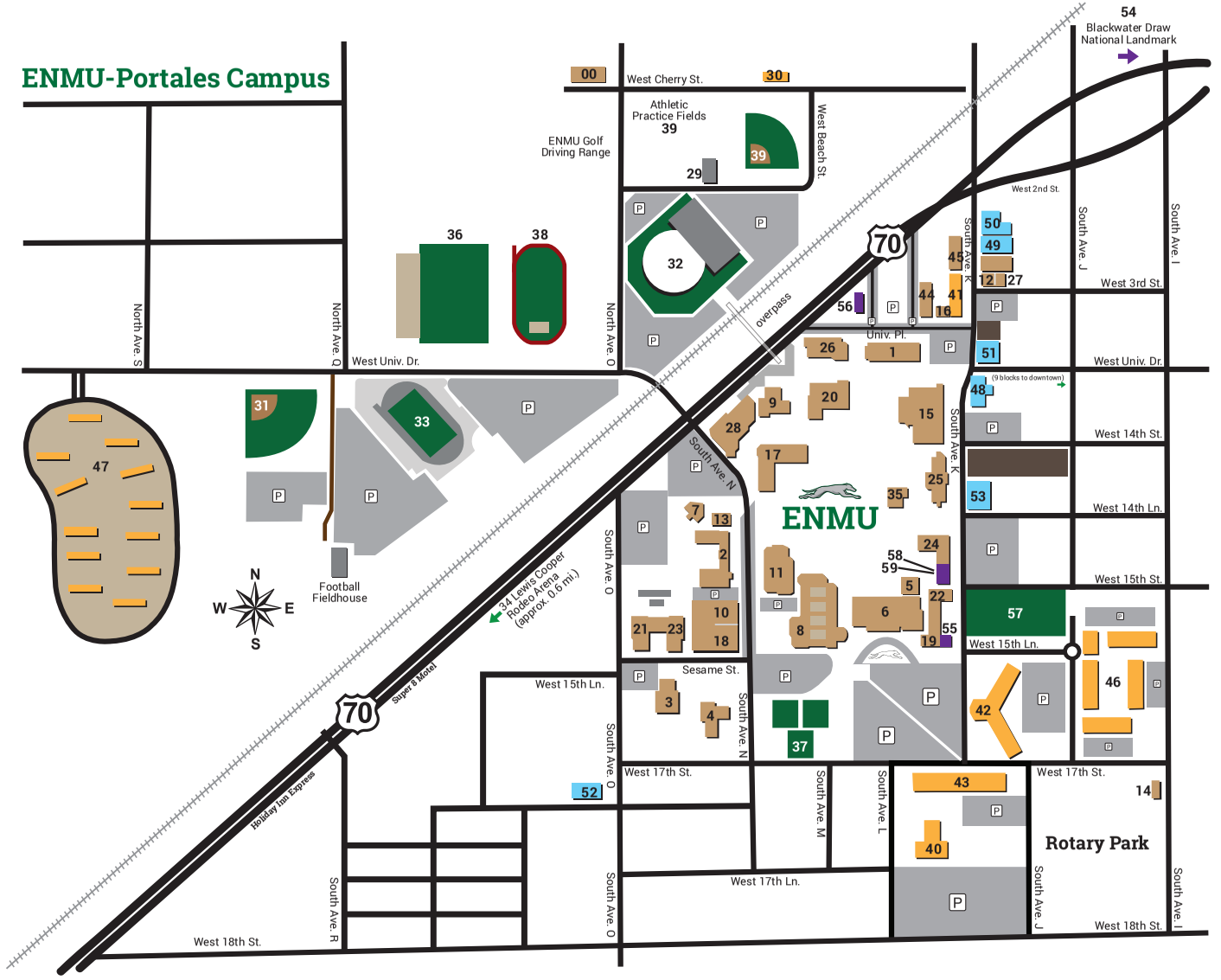
00 – Presidential Residence (PR)
1 – Administration (ADM)
2 – Art and Anthropology (AA)
3 – Art Annex (AAX)
4 – Agriculture (AG)
5 – Campus Bookstore (BKST)
6 – Campus Union (CUB)
7 – Child Development Center (CDC)
8 – College of Business (COB)
9 – University Computer Center (UCC)
10 – Communication Building (COM)
11 – Education (ED)
12 – ENMU Foundation (DEV)
13 – Family and Consumer Sciences (FCS)
14 – Council of Prof. Emeriti (COPE)
15 – Golden Student Success Center (GSSC)
16 – Health Services (CUR)
17 – Jack Williamson Liberal Arts (JWLA)
18 – KENW Broadcast Center (COM)
19 – Lea Hall (LH)
20 – Music Building (MB)
21 – Physical Plant (PP)
22 – Post Office (PO)
23 – Purchasing (PUR)
24 – Roosevelt Science Center (RSC)
25 – Science (S)
26 – Student Academic Services (SAS)
27 – Department of Public Safety (DPS)
28 – University Theatre Center (UTC)

29 – Athletic Weight Training Facility (AWTF)
30 – Mascot Manor (MM)
31 – Greyhound Baseball Field (BF)
32 – Greyhound Arena (GA)
33 – Greyhound Stadium (GS)
34 – Lewis Cooper Rodeo Arena (LCA)
35 – Natatorium (NAT)
36 – Soccer Field (SF)
37 – Tennis Courts (CTS)
38 – Track and Field (TRK)
39 – Greyhound Softball Field (SBF)/ Athletic Practice Field (APF)

40 – Bernalillo Hall (BH) non-residential
41 – Curry Hall (CUR)
42 – Eddy Hall (EH)
43 – Guadalupe Hall (GH)
44 – Harding Hall (HDH) non-residential
45 – Quay Hall (QH) non-residential
46 – San Juan Village (SJV – A, B, C, D)
47 – West Campus Apartments (WC)

48 – Baptist Student Union (BSU)
49 – Christian Campus House (CCH)
50 – Church of Christ Student Center (CC)
51 – Presbyterian Campus Ministry (PCMC)
52 – Thomas More Newman Center (TMNC)
53 – Wesley Foundation (WF)

54 – Blackwater Draw National Landmark (BWDS)
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55 – Blackwater Draw Museum (BWDM)
56 – Roosevelt County Museum (RCM)
57 – Greek Park (GP)
58 – Gennaro Natural History Museum (GNHM)
59 – Miles Mineral Museum (MMM)



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