

Interdisciplinary Programs



Three options are available within the College of Liberal Arts and Sciences for the student who wishes to pursue an unspecified program of study. Such a student may pursue an Associate of Arts degree in general studies, a Bachelor of University Studies degree or select many courses from the entire university, suiting studies to the student's own interests and needs without regard to required courses for majors. Students with technical or vocational associate degrees may also pursue the Bachelor of Applied Arts and Sciences.

Degree: Associate of Arts (AA)

Major: General Studies

General Requirements, Page 32

General Education Courses (35-36 hours) (see Page 36)

Electives (28-29 hours)

It is recommended that at least 15 hours be in one area of concentration within the Liberal Arts and Sciences.

The final 15 hours in residence

Bachelor of Applied Arts and Sciences (BAAS)

The Bachelor of Applied Arts and Sciences is available for students who possess an Associate of Applied Science (A.A.S), Associate of Science (A.S.) or Associate of Arts (A.A.) (or equivalent) with a technical or vocational major earned at an institution accredited by a Council of Higher Education Accreditation-recognized agency. The purpose of the degree is to provide graduates with the opportunity to complete a course of study leading to a well-rounded education and a bachelor's degree that will enhance students' career advancement in their chosen fields. The degree is designed to be completed within two years of full-time enrollment at ENMU.

The associate's degree is incorporated as a major component into the bachelor's program for this degree. After completing a total of 128 hours with a minimum of 33 of these hours at ENMU, including 18 hours of upper-division work, the student is awarded the B.A.A.S. degree. Should the student decide to change degrees, any vocational courses taken as part of the associate degree would no longer count toward the baccalaureate degree.

Degree: Bachelor of Applied Arts and Sciences (BAAS)

Major: Applied Arts and Sciences

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

These courses may be taken as part of the associate degree.

Primary Concentration Area (35-58 hours)

Vocational or technical major work transferred from an approved and/or certified program. The acceptance and transfer of course work will be based on an analysis of each student's transcript. Should the student decide to change degrees, any vocational courses taken as part of the associate's degree would no longer count.

Secondary Concentration Area(s) (24-30 hours)

Minimum of 24 hour block in additional field of study **OR** 30 hours minimum in two different blocks of 15 hours each. Must include 15 hours of upper-division. Each course must be completed with a grade of "C" or better.

Note: Upper-division courses may have prerequisites that must be taken first.

Bachelor of University Studies

The Bachelor of University Studies degree is a flexible degree program available to full- or part-time students. The program is especially designed for those students who have gained significant learning through their work/life experience. At the time of entrance into the program each student must complete a degree plan with the University Studies advisor in the College of Liberal Arts and Sciences. The Dean shall have final approval authority for each proposed University Studies degree plan. This degree plan will indicate the structure of the student's proposed plan of study and ensure that all degree and university requirements are met.

Degree: Bachelor of University Studies (BUS)

Major: University Studies

Emphasis of two fifteen-hour blocks in two fields of study (30 hours)

Each course must be completed with a grade of "C" or better.

Forty-five hours must be completed after approval of the degree plan.

Allied Health Sciences Programs

Medical Technology

A degree of bachelor of science in medical technology entails two and one-half to three years of pre-clinical study on the main campus of ENMU followed by twelve to eighteen months of study in an approved school of medical technology or hospital. ENMU is affiliated with the following schools: School of Medical Technology, the University of New Mexico School of Medicine, Albuquerque, New Mexico; and Northwest Texas School of Medical Technology, Amarillo, Texas.

Students are accepted by these schools on a competitive basis. Students may apply to any other approved school of medical technology provided the application has prior approval of the Allied Health Sciences Advisory Committee.

Students entering or contemplating entering these programs should see the Allied Health Sciences Advisory Committee chairperson in Roosevelt Hall, Room 111 for advice. This should occur prior to first enrollment, if possible.

Degree: Bachelor of Science (BS)

Major: Medical Technology

Biology Course Requirements (19 hours)

BIOL	151/L	General Biology I (4)
BIOL	152/L	General Biology II (4)
BIOL	214/L	Microbiology (4)
BIOL	231	Genetics (3)
BIOL	421/L	Principles of Immunology (4)

Chemistry Course Requirements (16 hours)

CHEM	151/L	General Chemistry I (4)
CHEM	152/L	General Chemistry II (4)
CHEM	233/L	Quantitative Analysis (4)

4 hours from the following (depending on the requirement of the medical technology school):

CHEM	251/L	Integrated Organic and Biochemistry (4)
CHEM	341/L	Organic Chemistry I (4)
CHEM	342/L	Organic Chemistry II (4)

Mathematics Course Requirements (3 hours)

MATH	119	College Algebra (3)
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Recommended Electives (0–18 hours)

BIOL	422/L	Medical Microbiology (4)
CHEM	452	Biochemistry (3)
PHYS	151/L	General Physics (4) AND
PHYS	152/L	General Physics (4)
BIOL	209/L	Anatomy and Physiology I (4)
BIOL	210/L	Anatomy and Physiology II (4)
BIOL	341/L	Parasitology (4)
BIOL	424/L	Advanced Human Physiology (4)

Clinical study in medical technology (32 or 52 hours): Student must submit a formal application for admission to approved school of medical technology, be admitted, and complete clinical study.

a. Students completing the clinical portion of the program at other schools or hospitals must complete a minimum of 76–96 semester hours before their clinical study.

b. While completing their clinical study at a program affiliated with ENMU, students should enroll in BIOL 480, Medical Technology Practicum.

Upon completion of study in the schools of medical technology or hospitals, the director of the school will certify student credits to the ENMU registrar thus enabling the student to enter candidacy for the degree of bachelor of science in medical technology at Eastern. Certification examination information will be given during the clinical training.

Pre-Physician Assistant

Admission requirements for physician assistant programs vary from school to school. Interested students should make early contact with the schools of their choice for specific admission requirements. Commonly, students must have 60 semester hours which include the following:

- General Biology (4 hours)
- General Chemistry (8 hours)
- Human Anatomy and Physiology (8 hours)
- General Psychology (3 hours)
- College Algebra (3 hours)
- English Composition (3 hours)
- Expository or Technical Writing (3 hours)
- A cross-cultural course (3 hours)
- Anthropology or Sociology (3 hours)
- Humanities (Literature, History or Philosophy) (6 hours)
- Two multicultural courses (6 hours)

Contact the prospective program and the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Medicine

Pre-medical students often take an undergraduate major in either chemistry or biology with a strong minor in the other field. Students with other majors may be admitted to medical schools if they evidence superior ability and achievement in the natural sciences.

Pre-medical requirements for admission to medical school, including osteopathic medicine, vary. A summary of minimum requirements of medical schools is given in the publication “Medical School Admissions Requirements, U.S.A. and Canada,” published by the Association of American Medical Colleges. The information is available in the Office of the Allied Health Sciences Committee, Roosevelt Hall, Room 111.

In general, entrance requirements to medical schools include the following:

1. Evidence of academic ability and achievement.
2. Evidence of character, attitude and interests suitable for a career in medicine.
3. Completion of the Medical College Admission Test (MCAT) of the Association of American Medical Colleges.
4. Completion of at least 90 semester hours of college courses in an accredited college or university (a bachelor’s degree is recommended) which usually includes the following:

- General chemistry (including laboratory, one year)
- Organic chemistry (including laboratory, one year)
- General biology or zoology (including laboratory, one year)
- General physics (including laboratory, one year)
- College mathematics, one year (calculus is recommended)

A course in biochemistry is strongly recommended, but not required. Other science courses that the student may find helpful in preparing for medical school include genetics, cell physiology, anatomy and physiology and computer science.

Prospective medical students should become acquainted as early as possible with entrance requirements of particular medical schools of interest. A course of study may then be built around requirements of the schools. The Medical College Admissions Test is offered each fall and spring at pre-medical college centers. It is recommended that this test be taken in the spring of the junior year.

Details of the admission test and other information pertaining to the pre-medical program may be obtained from the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Dentistry

The Council on Dental Education of the American Dental Association fixes as a minimum basis for admission to an approved dental school the successful completion of two full years of academic work in an accredited college of liberal arts and sciences including the following minimum credit hours:

- English (6 hours)
- Biological sciences (8–12 hours)
- General chemistry (8 hours)
- Organic chemistry (4 hours)
- Physics (8 hours)

Pre-dental students are advised to take an undergraduate major in either biology or chemistry with a strong minor in the other field if they desire to earn a bachelor of science degree prior to admission to dental school. Most dental schools require a minimum of three years for admission unless the applicant is exceptionally well qualified.

All applicants for admission to a school of dentistry are required to take the Dental Aptitude Test, which is given three times a year through the Council on Dental Education of the American Dental Association. It is advised that the candidate complete the Dental Aptitude Test at the earliest possible date within the year preceding that which he/she wishes to begin dental studies.

For information relating to any phase of this program, consult the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Pharmacy

Most colleges of pharmacy require one year of college academic credit as a minimum for entrance. Normally a student transfers to a college of pharmacy at the completion of the freshman year. However, many colleges of pharmacy have a five-year program; students entering such programs could profitably spend two years on a pre-pharmacy curriculum. In order to obtain a bachelor of science degree in pharmacy in minimum time, the first year (or two-year) program must correlate closely with the program recommended by the colleges of pharmacy. The pre-pharmacy program consists of two years (65 semester hours):

- English (6 hours)
- General biology (4 hours)
- Microbiology (4 hours)
- General chemistry (8 hours)
- Organic Chemistry (8 hours)
- Human Anatomy and Physiology (8 hours)
(Cadaver Lab required)
- Calculus I and II (8 hours)
- Statistics (3 hours)
- Microeconomics (3 hours)
- Computer Literacy (3 hours)
- Electives — History, Psychology, etc. (6 hours)

Other pharmacy schools may have different pre-professional requirements. For further information contact the prospective school and the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Physical Therapy

Admission requirements for physical therapy programs vary from school to school. Interested students should make early contact with the schools of their choice for specific admission requirements. In general, two years of pre-physical therapy studies are required and should include the following:

- Language and Communication (6 hours)
- General biology (8 hours including laboratory)
- General chemistry (8 hours including laboratory)
- Organic chemistry (4 hours including laboratory)
- General physics (8 hours including laboratory)
- Psychology (9 hours)

Further information may be obtained from the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Pre-Veterinary Medicine

Students pursuing a curriculum leading to a degree in veterinary medicine should follow a curriculum similar to that for pre-medicine. Courses in animal science, comparative vertebrate anatomy, animal physiology and biochemistry are of particular importance. On-hand or practical experience in a veterinary clinic is often desirable. New Mexico has established contractual agreements with certain schools of veterinary medicine which permit competitive placement of a number of New Mexico residents each year.

For further information, consult the Office of the Allied Health Sciences Advisory Committee, Roosevelt Hall, Room 111.

Other Health Science Programs

The Allied Health Sciences Advisory Committee will arrange a suitable course of study for any student wishing to pursue pre-professional, pre-clinical training in other Health Science programs such as optometry and chiropractic.

Greater Southwestern Studies

Southwestern United States and Mexico share a common historical and cultural heritage as well as numerous environmental characteristics. Drawing upon the university's geographic location in the center of the southwestern region and upon the regional expertise of the faculty, a minor of Greater Southwestern Studies will focus upon cultural, historical and environmental similarities and promote an awareness and knowledge of important interrelationships between Mexico and southwestern United States.

Students considering a minor in Greater Southwestern studies should consult with the advisor appointed by the college dean. Exceptions to the degree requirements for a minor must be approved by the advisor and the college dean. Students needing further information concerning the Greater Southwestern Studies program can inquire in the office of the Dean of the College of Liberal Arts and Sciences, Jack Williamson Liberal Arts building, Room 114.

Minor: Greater Southwestern Studies

Twenty-one (21) hours are required for the Greater Southwestern Studies minor selected from the following courses with at least one course from each of the areas of anthropology, history and humanities.

ANTH	123	New Mexico: Enchanted Lands and Diverse Cultures (3)
ANTH	432	Indians of the Southwest (3)
ANTH	461	Prehistory of the Southwest (3)
ANTH	462	Prehistory of Mexico and Middle America (3)
ENG	413	Literature of the Southwest (3)
GEOL	482	Geology of New Mexico (2)
HIST	203	New Mexico (3)
HUM	171	The Chicano in American Humanities (3)
HUM	272	The Chicano in American Humanities in the Twentieth Century (3)

Some disciplines offer topics courses, seminar courses and field studies courses often numbered 293 and 493, which have varying content from semester to semester. These courses may be used for degree credit for the minor when their topics have been approved by the Greater Southwestern Studies advisor.

Women's Studies

The Women's Studies minor and certificate are offered to those who wish to increase their knowledge, interest and appreciation of the needs, contributions, problems and aspirations of women. The minor and certificate are based on an interdisciplinary approach with courses offered in anthropology, communication, English, history, humanities, political science, psychology and sociology as well as other areas. There is no structured, predefined program of study for the minor or certificate. The reasons for seeking the minor or certificate are varied and highly individualistic; therefore, the program is tailored to individual needs and interests and is flexible in its application to current course offerings.

The Women's Studies Program is recommended for those students who wish to combine a traditional major with a multi-disciplinary background in women's studies. It is a multicultural program that sustains and integrates diverse perspectives by providing a forum for expanding the understanding and critical application of feminist scholarship. As a program requirement, students are required to make a public presentation on material developed during their certificate or minor course work.

Women's Studies is directed by an interdisciplinary committee of faculty teaching in the area and/or with special expertise or interest in the area. The committee is appointed by and reports to the dean of the College of Liberal Arts and Sciences. Students needing information concerning the Women's Studies Program can inquire in Jack Williamson Liberal Arts Building, Room 114.

Certificate: Women's Studies

1. Fifteen (15) hours are required for the Women's Studies Certificate, including HUM 105 Introduction to Women's Studies and 12 hours of electives, as defined under the Women's Studies minor.
2. Students planning to earn the Women's Studies Certificate must apply in the office of the dean of the College of Liberal Arts and Sciences.

Minor: Women's Studies

1. Eighteen (18) hours are required for the Women's Studies minor, including HUM 105 Introduction to Women's Studies and 15 hours of electives selected from course offerings approved by the committee and published each semester.
2. It is recommended that the 15 elective hours are drawn from several different disciplines to reflect the interdisciplinary nature of the program.
3. Students planning to earn the Women's Studies minor must apply in the office of the dean of the College of Liberal Arts and Sciences.