



Eastern New Mexico University
College of Liberal Arts and Sciences
2023-2025 Catalog

Major: Biology	Minor: Not required
Emphasis: Microbiology, Molecular Biology & Biotech	Degree: Bachelor of Science / Bachelor of Arts (B.S./B.A.)

This degree plan is a guide only. Consult with an adviser before enrolling in courses. For more detailed information on coursework and degree requirements, refer to the catalog and consult with an adviser.

All course requirements in the major must have a grade of "C" or better. All acceptable transfer work from a junior or community college will be recorded as lower division credit.

Note: All Bachelor degrees at ENMU require 120 minimum total credit hours including 40 upper-division (300-/400-level) hours. Developmental and vocational/technical courses will not be counted toward graduation requirements.

BACHELOR'S DEGREE REQUIREMENTS (6 hours)

FYEX 1110 First-Year Seminar
Diversity/Global Upper-Division

GENERAL EDUCATION REQUIREMENTS (non-teaching) (31-33 hours)

REQUIREMENTS in Biology Core (26 hours)

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

REQUIREMENTS in Microbiology, Molecular Biology & Biotechnology Emphasis (20-22 hours)

BIOL 375 General Biotechnology
BIOL 409/L Microbial Physiology
BIOL 421 Immunology
BIOL 422/L Medical Microbiology
BIOL 425/L Molecular Biology -OR-
BIOL 450 Virology

Elective Biology Course (4 hours 300/400 Level)

Select a minimum of 4 upper-division credit hours as a specialty biology course in consultation with the academic advisor.

REQUIREMENTS in other areas (31-32 hours)

CHEM 1215/L General Chemistry I for STEM Majors
CHEM 1225/L General Chemistry II for STEM Majors
CHEM 341/L Organic Chemistry I
MATH 1220 College Algebra
MATH 1350 Introduction to Statistics
MATH 1430 Applications of Calculus I -OR-
MATH 1510 Calculus I
PHYS 1230/L Algebra-Based Physics I
PHYS 1240/L Algebra-Based Physics II

ELECTIVES as needed to fulfill requirement of 120 total credit hours.