



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

Major: Bioinformatics
Emphasis: N/A

Minor: Not required
Degree: Bachelor of Science (B.S.)

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 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 Bioinformatics (41 hours)

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