



Eastern New Mexico University
College of Liberal Arts and Sciences
2025-2027 Catalog
Degree Guide Checklist

Major:	Biology	Minor:	Not Required
Emphasis:	Ecology, Evolution & Organismal Biology (EEOB)	Degree:	Bachelor of Arts (B.A.) or Bachelor of Science (B.S.)

This degree guide is a guide only and is subject to revision. Before enrolling in courses, consult with an adviser and review the current ENMU-Portales catalog.

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: The B.A. and B.S. degrees require 120 minimum total credit hours including 40 upper-division (300- or 400-level) hours and ENMU-Portales residency requirement (30 of the final 60 hours must be taken from ENMU-Portales). B.A. candidates must satisfy the language requirement (6-14 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

CORE COURSE REQUIREMENTS (57-58 hours)

Biology Requirements (26 hours):

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

Requirements in other areas (31-32 hours)

- * CHEM 1215/L General Chemistry I for STEM Majors and Laboratory
- * CHEM 1225/L General Chemistry II for STEM Majors and Laboratory
- CHEM 341/L Organic Chemistry I and Laboratory
- * 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 and Laboratory
- * PHYS 1240/L Algebra-Based Physics II and Laboratory

* May 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.

EEOB Emphasis Requirements (19-20 hours)

Requirements for EEOB Emphasis (12 hours):

- BIOL 2630L General Botany Laboratory
- BIOL 300/L Invertebrate Zoology and Laboratory
- BIOL 303L General Ecology Laboratory
- BIOL 305 Evolution and Systematics
- BIOL 460 Landscape Ecology and GIS

Select one of the following Vertebrate Biology Courses (4 hours):

- BIOL 307/L Vertebrate Zoology and Laboratory
- BIOL 411/L Herpetology and Laboratory
- BIOL 431/L Mammalogy and Laboratory
- BIOL 436/L Ichthyology and Laboratory
- BIOL 442/L Ornithology and Laboratory

Select one of the following Specialty Biology Courses (3-4 hours):

- BIOL 301/L General Entomology and Laboratory
- BIOL 410/L Plant Systematics and Laboratory
- BIOL 420/L Plant Structure and Function and Laboratory
- BIOL 430 Limnology

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