



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

Major: Chemistry	Minor: Not required
Emphasis: N/A	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 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 Chemistry Core (26 hours)**

CHEM 1215/L General Chemistry I for STEM Major  
CHEM 1225/L General Chemistry II for STEM Major  
CHEM 2310/L Quantitative Analysis  
CHEM 341/L Organic Chemistry I  
CHEM 342/L Organic Chemistry II  
CHEM 450/L Instrumental Analysis  
CHEM 492 Undergraduate Seminar  
CHEM 495 Senior Chemistry Review

**REQUIREMENTS in Chemistry Major (22-23 hours)**

CHEM 321/L Inorganic Chemistry  
CHEM 401/L Biochemical Methods  
CHEM 411/L Physical Chemistry I / Thermodynamics  
CHEM 412 Physical Chemistry / Quantum Mechanics  
CHEM 452 Biochemistry  
CHEM 453 Advanced Biochemistry  
CHEM 470 Investigative Problems

**REQUIREMENTS in related areas (31 hours)**

BIOL 2110/L Principles of Biology: Cellular & Molecular Biology  
MATH 1220 College Algebra  
MATH 1230 Trigonometry  
MATH 1510 Calculus I  
MATH 1520 Calculus II  
MATH 2530 Calculus III  
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.