



Eastern New Mexico University
College of Liberal Arts & Sciences
2019-2021 Catalog

Date:	Major:	Chemistry
Name:	Minor:	Optional
ID#:	Emphasis:	Pre-Medicine
	Degree:	Bachelor of Science

This degree plan is a guideline 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.

Note: The B.S. degree requires a minimum of 40 hours of upper-division courses. Developmental and vocational/technical courses will not be counted toward graduation requirements.

BACHELOR'S DEGREE REQUIREMENTS (6 hours)	Course	Credits	Semester	Grade
	FYEX 110 First-Year Seminar	3		
	Diversity/Global Upper-Division	3		

GENERAL EDUCATION Requirements (31-33 hours)

REQUIREMENTS IN Chemistry Core (26 hours)

CHEM 1215/L Chemistry I for STEM Majors		4		
CHEM 1225/L Chemistry II for STEM Majors		4		
CHEM 2310/L Quantitative Analysis		4		
CHEM 341/L Organic Chemistry I		4		
CHEM 342/L Organic Chemistry II		4		
CHEM 450/L Instrumental Analysis		4		
CHEM 492 Undergraduate Seminar		1		
CHEM 495 Senior Chemistry Review		1		

REQUIREMENTS IN Pre-Medicine Emphasis (16 hours)

	Course	Credits	Semester	Grade
	CHEM 321/L Inorganic Chemistry	4		
	CHEM 401/L Biochemical Methods	2		
	CHEM 411/L Physical Chemistry/Thermodynamics	4		
	CHEM 452 Biochemistry	3		
	CHEM 453 Advanced Biochemistry	3		

REQUIREMENTS IN Related Areas (37 hours)

	Course	Credits	Semester	Grade
	BIOL 2110/L Principles of Biology I: Cellular & Molecular Biology	4		
	BIOL 2210/L Human Anatomy and Physiology I	4		
	BIOL 2225/L Human Anatomy and Physiology II	4		
	BIOL 2120 Cellular and Molecular Biology	3		
	BIOL 304 Genetics	3		
	BIOL 306/L Microbiology	4		

MATH 1220 College Algebra	_____	4	_____	_____
MATH 1430 Applications of Calculus	_____	3	_____	_____
PHYS 1230/L Algebra-based Physics I	_____	4	_____	_____
PHYS 1240/L Algebra-based Physics II	_____	4	_____	_____

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