



**Eastern New Mexico University**  
**College of Liberal Arts & Sciences**  
**2021-2023 Catalog**

<b>Date:</b>	<b>Major:</b>	Chemistry
<b>Name:</b>	<b>Minor:</b>	Optional
<b>ID#:</b>	<b>Emphasis:</b>	Pre-Medicine
	<b>Degree:</b>	Bachelor of Science (B.S.)

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.

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

<b>GENERAL EDUCATION Requirements (31-33 hours)</b>
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<b>REQUIREMENTS IN Chemistry Core (26 hours)</b>
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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	_____	_____

<b>REQUIREMENTS IN Pre-Medicine Emphasis (16 hours)</b>	<b>Course</b>	<b>Credits</b>	<b>Semester</b>	<b>Grade</b>
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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	_____	_____

<b>REQUIREMENTS IN Related Areas (37 hours)</b>	<b>Course</b>	<b>Credits</b>	<b>Semester</b>	<b>Grade</b>
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BIOL 2110/L Principles of Biology I: Cellular & Molecular Biology	4	_____	_____
BIOL 2120 Cellular and Molecular Biology	3	_____	_____
BIOL 2210/L Human Anatomy and Physiology I	4	_____	_____
BIOL 2225/L Human Anatomy and Physiology II	4	_____	_____
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	_____	_____

<b>ELECTIVES</b> As needed to fulfill requirement of 120 total credit hours.
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