



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

<b>Date:</b>	<b>Major:</b>	<b>Biochemistry</b>
<b>Name:</b>	<b>Minor:</b>	<b>Optional</b>
<b>ID#:</b>	<b>Degree:</b>	<b>Bachelor of Science</b>

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.

<u>BACHELOR'S DEGREE REQUIREMENTS (6 hours)</u>	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 Biochemistry (15-16 hours)**

	Course	Credits	Semester	Grade
CHEM 401/L Biochemical Methods	_____	2	_____	_____
CHEM 411/L Physical Chemistry/Thermodynamics	_____	4	_____	_____
CHEM 452 Biochemistry	_____	3	_____	_____
CHEM 453 Advanced Biochemistry	_____	3	_____	_____
CHEM 470 Investigative Problems	_____	3-4	_____	_____

**REQUIREMENTS IN Related Areas (37 hours)**

	Course	Credits	Semester	Grade
BIOL 2110/L Principles of Biology: Cellular & Molecular Biology	_____	4	_____	_____
BIOL 2610/L Principles of Biology: Biodiversity, Ecology & Evolution	_____	4	_____	_____
BIOL 2120 Cellular and Molecular Biology	_____	3	_____	_____
BIOL 304 Genetics	_____	3	_____	_____
BIOL 306/L General Microbiology	_____	4	_____	_____
MATH 1220 College Algebra	_____	4	_____	_____

MATH 1230 Trigonometry	_____	3	_____	_____
MATH 1510 Calculus I	_____	4	_____	_____
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.