



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

Date:	Major:	Bioinformatics
Name:	Degree:	Bachelor of Science
ID#:		

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 Biology Core (26 hours)	Course	Credits	Semester	Grade
BIOL 2110/L Principles of Biology: Cellular and Molecular Biology and Lab	_____	4	_____	_____
BIOL 2610/L Principles of Biology: Biodiversity, Ecology & Evolution & Lab I	_____	4	_____	_____
BIOL 2630 General Botany	_____	3	_____	_____
BIOL 2120 Cellular & Molecular Biology	_____	3	_____	_____
BIOL 303 General Ecology	_____	3	_____	_____
BIOL 304/L Genetics	_____	4	_____	_____
BIOL 306/L Microbiology	_____	4	_____	_____
BIOL 492 Undergraduate Seminar & Assessment	_____	1	_____	_____
	_____	3	_____	_____

REQUIREMENTS IN Bioinformatics (41 hours)	Course	Credits	Semester	Grade
BIOL 425/L Molecular Biology	_____	4	_____	_____
CHEM 1215/L General Chemistry I for STEM Majors	_____	4	_____	_____
CHEM 401/L Biochemical Methods	_____	2	_____	_____
CHEM 452 Biochemistry	_____	3	_____	_____
CS 120 Intro to Computer Programming	_____	3	_____	_____
CS 123 Computer Science I	_____	4	_____	_____
MATH 1220 College Algebra	_____	4	_____	_____
PHYS 1230/L Algebra based Physics I	_____	4	_____	_____
MATH 1350 Intro to Statistics	_____	4	_____	_____
STAT 313 Statistical Methods II	_____	3	_____	_____
STAT 400 Data Science	_____	3	_____	_____
BIOL 435 Bioinformatics	_____	3	_____	_____

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