

SOUTHEAST NEW MEXICO COLLEGE (2025-2026)
ASSOCIATE OF SCIENCE IN BIOLOGY
EASTERN NEW MEXICO UNIVERSITY - PORTALES (2025-2027)
BACHELOR OF SCIENCE IN BIOINFORMATICS

Associate of Science in Biology at SENMC (61 - 63 Minimum Credit Hours)							
Subject	No.	Title	Hours	Subject	No.	Title	Hours
BIOL	2610/L	Prin. Of Biology: Biodiversity, Ecology & Evolutn	4	New Mexico General Education Requirements (31-33 hours)			31
BIOL	2110/L	Prin. Of Biology: Cellular & Molecular Biology	4				
CHEM	1215/L	General Chemistry I for STEM Majors	4				
CHEM	1225/L	General Chemistry II for STEM Majors	4				
				Electives if needed to bring total credits to 61			Var.

Courses That Can Be Completed at Either Institution							
				Subject	No.	Title	Hours
These courses are required for the BS in Bioinformatics and may be completed at either SENMC (recommended) or at ENMU-Portales. A grade of C or better is necessary for these courses.				MATH	1220	College Algebra	4
				MATH	1350	Intro to Statistics	4
				MATH	1430/1510	Applications of Calculus I -OR- Calculus I	3
				PHYS	1230/L	Algebra-Based Physics I & Lab	4
				PHYS	1240/L	Algebra-Based Physics II & Lab	4

Bachelor of Science in Bioinformatics at ENMU-Portales							
Subject	No.	Title	Hours	Subject	No.	Title	Hours
Diversity/Global Upper-Division Course Requirement			3	BIOL	306/L	Microbiology & Lab	4
CSCI	1220	Computer Programming Fundamentals: Python	3	BIOL	425/L	Molecular Biology & Lab	4
CSCI	1210	Computer Programming Fundamentals	4	BIOL	435/L	Bioinformatics & Lab	4
STAT	313	Statistical Methods II	3	BIOL	492	Undergraduate Seminar & Assessment	3
STAT	400	Data Science	3	CHEM	341/L	& Lab	4
BIOL	2120	Cellular & Molecular Biology	3	CHEM	401/L	Biochemical Methods & Lab	2
BIOL	2630	General Botany	3	CHEM	452	Biochemistry	3
BIOL	303	General Ecology	3	Electives to meet BS requirements *			Var.
BIOL	304/L	Genetics & Lab	4				

Minimum GPA Requirement	2.0	SENMC AS in Biology	61 - 63
Minimum hours of Upper-Division Courses for BS Degree	40 *	ENMU-Portales Upper-Div Diversity/Global requirement	3 *
Minimum hours taken from ENMU-Portales (final 30 of 60)	30 *	ENMU-Portales BS in Bioinformatics	Var.
Minimum hours for BS (Transferred + ENMU-Portales)	120 *	Electives if needed to meet Degree requirements	Var.

* BS Degree Requirements

Total: Minimum 120 Credit Hours