

SOUTHEAST NEW MEXICO COLLEGE (2022-2023)

AS IN BIOLOGY

ENMU-PORTALES (2023-2025)

BS IN BIOINFORMATICS, No Emphasis

Associate of Science in Biology at SENMC (61 - 63 Minimum Credit Hours)							
Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit 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	Number	Title	Credit Hours
These required courses 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	3
				MATH	1430/1510	* Applications of Calculus I -OR- Calculus I	3
				PHYS	1230/L	* Algebra-Based Physics I	3
				PHYS	1240/L	* Algebra-Based Physics II	3

Bachelor of Science in Bioinformatics at ENMU-Portales							
Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
*	*	Diversity/Global Upper-Division	3	BIOL	306/L	Microbiology	3
CS	120	Intro to Computer Programming	3	BIOL	425/L	Molecular Biology	4
CS	123	Computer Science I	4	BIOL	435/L	Bioinformatics	4
STAT	313	Statistical Methods II	3	BIOL	492	Undergraduate Seminar & Assessment	3
STAT	400	Data Science	3	CHEM	341/L	Organic Chemistry I	3
BIOL	2120	Cellular & Molecular Biology	3	CHEM	401/L	Biochemical Methods	2
BIOL	2630	General Botany	3	CHEM	452	Biochemistry	3
BIOL	303	General Ecology	3	Elective Courses to reach minimum of 120 hours if required			Var.
BIOL	304/L	Genetics	3				

Minimum GPA Requirement	2.0	SENMC AS in Biology	61 - 63
Minimum hours of Upper-Division Courses for BA/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 Biology	Var.
Minimum hours for BS (Transferred + ENMU-Portales)	120	Electives if needed to meet Degree requirements	Var.

Total: Minimum 120 Credit Hours