

EASTERN NEW MEXICO UNIVERSITY - ROSWELL (2024-2025)

ASSOCIATE OF SCIENCE IN BIOLOGY

EASTERN NEW MEXICO UNIVERSITY - PORTALES (2025-2027)

BACHELOR OF SCIENCE IN BIOLOGY, Emphasis in MMBB

Associate of Science in Biology at ENMU-Roswell (Minimum 63-64 Credit Hours)							
Subject	No.	Title	Hours	Subject	No.	Title	Hours
Lab Science Gen Ed (recommend BIOL 2110/L; required for AS)			4	BIOL	2225/L	Anatomy & Physiology II + Lab	4
Comm Gen Ed (recommend ENGL 1110, 1120; COMM 1130/2120)			9	CHEM	1215/L	General Chemistry I for STEM Majors + Lab	4
Mathematics Gen Ed (recommend MATH 1220 - required for AS)			3	CHEM	1225/L	General Chemistry II for STEM Majors + Lab	4
Social-Behavioral Sci Gen Ed (recommend PSYC/SOCI 1110)			3	MATH	1220	College Algebra	3
Humanities Gen Ed (recommend PHIL 2110)			3	MATH	1230	Trigonometry	3
Creative-Fine Arts Gen Ed (recommend ARTS 1610)			3	MATH	1350	Intro to Statistics	4
Math/Lab/Soc-Beh Gen Ed (rec MATH 1230/1350 - required for AS)			3	MATH	1510	Calculus I	4
Humanities/Fine Arts Gen Ed (recommend SPAN 1110)			3	PHYS	1230/L	Algebra-based Physics I + Lab	4
BIOL	2110/L	Cellular & Molecular Biology + Lab	4				
BIOL	2210/L	Anatomy & Physiology I + Lab	4				
						ONE of: BIOL 2120, 2310/L, 2610/L, GEOL 1110/L, -OR- PHYS 1240/L *	4

* PHYS 1240/L and MATH 1430 or 1510 must be completed as part of the BS degree.

Courses That Can Be Completed at Either Institution							
				Subject	No.	Title	Hours
These required courses may be completed at either ENMU-Roswell (recommended) or at ENMU-Portales. A grade of C or better is necessary for these courses.				BIOL	2120	Cellular & Molecular Biol (BS requirement)	3
				BIOL	2610/L	(If not taken for AS degree - BS requirement)	4
				PHYS	1240/L	(If not taken for AS degree - BS requirement)	4

Bachelor of Science in Biology at ENMU-Portales, Emphasis in Microbiology, Molecular Biology and Biotechnology							
Subject	No.	Title	Hours	Subject	No.	Title	Hours
CORE REQUIREMENTS (All Emphases):				EMPHASIS Requirements: Microbiology, Molecular Biology and Biotechnology			
Upper-Division Diversity/Global required course			3	BIOL	375	General Biotechnology	1
BIOL	2630	General Botany	3	BIOL	409/L	Microbial Physiology & Lab	4
BIOL	303	General Ecology	3	BIOL	421	Immunology	3
BIOL	304/L	Genetics and Laboratory	4	BIOL	422/L	Medical Microbiology	4
BIOL	306/L	Microbiology and Laboratory	4	BIOL	425/L or 450	Molecular Bio & Lab -OR- Virology	3 or 4
BIOL	492	Undergraduate Seminar and Assessment	3			ONE upper-division (300-/400-level) specialty course	3 or 4
CHEM	341/L	Organic Chemistry I	4			Electives to meet BS degree requirements *	Var.

Minimum GPA Requirement: 2.0			
Minimum hours of General Education Courses	31 *	ENMU-Roswell AS in Biology	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 Biology, MMBB Emphasis	Var.
Minimum hours for BS (Transferred + ENMU-Portales)	120 *	Electives if needed to meet BS requirements	Var.

* BS Degree Requirements

Total: Minimum 120 Credit Hours