

ENMU-ROSWELL AS IN BIOLOGY
ENMU-PORTALES BS IN BIOLOGY
EMPHASIS IN MICROBIOLOGY, MOLECULAR BIOLOGY AND BIOTECHNOLOGY (MMBB)
2021 - 2023

Associate of Science in Biology at ENMU-Roswell (Minimum 64 Credit Hours)

Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
PSYC	1110	Introduction to Psychology	3	MATH	1350	Introduction to Statistics	3
PHIL	2110	Introduction to Ethics	1	MATH	1510	Calculus I	4
PHYS	1230/L	Algebra-based Physics I & Lab	4	COMM	1130 / 2120	Interpersonal Comm -OR- Public Speaking	3
BIOL	2110/L	Prin. Biology: Cellular & Molecular Biology & Lab	4	ENGL	1110	Composition I	3
BIOL	2210/L	Anatomy and Physiology I & Lab	4	ENGL	1120	Composition II	3
BIOL	2225/L	Anatomy and Physiology II & Lab	4	*	*	Any Humanity or Creative and Fine Art	3
BIOL	2610/L	Prin. Biology: Biodiversity Ecology Evolutn & Lab	7	*	*	Any Creative and Fine Art	3
CHEM	1215/L	General Chemistry I for STEM Majors & Lab	4	*	*	Science Elective (BIOL 2120/L is recommended for the ENMU-Portales BS Degree)	4
CHEM	1225/L	General Chemistry II for STEM Majors & Lab	4				
MATH	1220	College Algebra	3				
Total Hours							64

Courses That Can Be Completed at Either Institution

	Subject	Number	Title	Credit 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 Biology	3
	PHYS	1240	Algebra-based Physics/Lab II	4

Bachelor of Science in Biology at ENMU-Portales, Emphasis in Microbiology, Molecular Biology and Biotechnology

Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
CORE REQUIREMENTS (All Emphases):				EMPHASIS Requirements: Microbiology, Molecular Biology and Biotechnology			
BIOL	2630	General Botany	3	BIOL	375	General Biotechnology	1
BIOL	303	General Ecology	3	BIOL	409/L	Microbial Physiology & Lab	4
BIOL	304/L	Genetics and Laboratory	4	BIOL	421	Immunology	3
BIOL	306/L	Microbiology and Laboratory	4	BIOL	422/L	Medical Microbiology	4
BIOL	492	Undergraduate Seminar and Assessment	3	BIOL	425/L or 450	Molecular Bio & Lab -OR- Virology	3 or 4
CHEM	341/L	Organic Chemistry I	4	*	3xx/4xx	One Specialty Course & Lab	4
				*	*	Electives if needed to meet BS requirements	Var.

Minimum GPA Requirement	2.0	ENMU-Roswell AS in Biology	64
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, MMBB Emphasis	Var.
Minimum hours for BS (Transferred + ENMU-Portales)	120	Electives if needed to meet BS requirements	Var.

Total: Minimum 120 Credit Hours