

CLOVIS COMMUNITY COLLEGE AS IN BIOLOGY
ENMU-PORTALES BS IN BIOLOGY
(EMPHASIS IN MICROBIOLOGY, MOLECULAR BIOLOGY & BIOTECH)
Academic Year 2023 - 2024

Associate of Science in Biology at Clovis Community College (62 Minimum Credit Hours)							
Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
BIOL	2410C	* Principles of Biology: Genetics	4	Electives: 4 credit hours from GEOL 1110C, MATH 1512 or 1522,			4
BIOL	2310C	Microbiology	4	PHYS 1115C, 1230C -OR- 1240C -- See ENMU BS requirements below.			
BIOL	2210C	Human Anatomy & Physiology I	4	New Mexico General Education Requirements. Consult			31-33
BIOL	2225C	* Human Anatomy & Physiology II	4	with CCC advisor and CCC catalog.			
CHEM	1225C	* General Chemistry II for STEM Majors	4				
MATH	1230	* Trigonometry	3	* Course requires prerequisites.			

Total Hours 62

Courses That Can Be Completed at Either Institution							
Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
These required courses meet specific course requirements at ENMU. They may be completed at either Clovis Community College (recommended) or at ENMU-Portales. A grade of C or better is necessary for these courses.				MATH	1350	Introduction to Statistics	3
				PHYS	1230/L	Algebra-Based Physics I	3
				PHYS	1240/L	Algebra-Based Physics II	3
The faculty at ENMU-Portales strongly recommends that transfer students take these courses (required for Bachelor Degree) from CCC.							

Bachelor of Science in Biology (Emphasis MMBB) at ENMU-Portales							
Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
Diversity / Global Upper-Division Requirement			3	BIOL	421	Immunology	3
BIOL	2120	Cellular & Molecular Biology	3	BIOL	422/L	Medical Microbiology	3
BIOL	2610/L	Prin. of Biology: Biodiversity, Ecology & Evolutn	3	BIOL 425,	425/L	Molecular Biology -OR- Virology	3
BIOL	2630/L	General Botany & Lab	4	BIOL	492	Undergrad Seminar & Assessment	3
BIOL	303L	General Ecology	4	CHEM	341/L	Organic Chemistry I	3
BIOL	304/L	Genetics	3	MATH 1430/1510		Applications of Calculus I -OR- Calculus I	3
BIOL	305	Evolution & Systematics	3	BIOL	*	Elective: Select a minimum of 4 upper-division	4
BIOL	306/L	Microbiology	3	credit hours as a specialty biology course			
BIOL	375	General Biotechnology	3	in consultation with academic advisor.			
BIOL	409/L	Microbial Physiology	3	Elective Courses to meet 40-hour upper-division and 120-hour requirement			

Minimum GPA Requirement	2.0	CCC AS in Biology	62
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 (Emphasis MMBB)	Var.
Minimum hours for BS (Transferred + ENMU-Portales)	120	Electives if needed to meet Degree requirements	Var.

Total: Minimum 120 Credit Hours