

**CLOVIS COMMUNITY COLLEGE (2023-2024)**  
**AS IN BIOLOGY**  
**ENMU-PORTALES (2023-2025)**  
**BS IN BIOLOGY (Emphasis in Pre-Med)**

<b>Associate of Science in Biology at Clovis Community College (62 Minimum Credit Hours)</b>							
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.			

<b>Courses That Can Be Completed at Either Institution</b>							
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
The faculty at ENMU-Portales strongly recommends that transfer students take these courses (required for Bachelor Degree) from CCC.				PHYS	1230/L	Algebra-Based Physics I	3
				PHYS	1240/L	Algebra-Based Physics II	3
				BIOL	2110/L	Principles of General Biology	4
				MATH	1220	College Algebra	4
				CHEM	1215/L	General Chemistry for STEM Majors	4

<b>Bachelor of Science in Biology (Emphasis in Pre-Med) at ENMU-Portales</b>							
Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
BIOL	2120	Cellular & Molecular Biology	3	BIOL 421 or 422/L		Immunology -OR- Medical Microbiology	3
BIOL	2610/L	Prin. of Biology: Biodiversity, Ecology & Evolutn	3	BIOL 424/L or 433/L		Adv. Human Physiology -OR- Neurobiology	3
BIOL	2630	General Botany & Lab	3	CHEM	341/L	Organic Chemistry I	3
BIOL	303	General Ecology	3	MATH 1430/1510		Applications of Calculus I -OR- Calculus I	3
BIOL	304/L	Genetics	3	BIOL	*	Elective: Complete 3 to 4 upper-division credit hours in a specialty biology course in consultation with academic advisor.	3 to 4
BIOL	306/L	Microbiology	3	Elective Courses to meet 40-hour upper-division and 120-hour requirement			
BIOL	380/427	Endocrinology -OR- Developmental Biology	3	Biology Faculty strongly recommends pre-med students also take CHEM 342/L, CHEM 401/L, CHEM 452, PSYC 1110 & SOCI 1110.			
BIOL	409/L	Microbial Physiology	3				
BIOL	492	Undergrad Seminar & Assessment	3				

<b>Minimum GPA Requirement</b>	<b>2.0</b>	<b>CCC AS in Biology</b>	<b>62</b>
<b>Minimum hours of Upper-Division Courses for BA/BS Degree</b>	<b>40</b>	<b>ENMU-Portales Upper-Div Diversity/Global requirement</b>	<b>3</b>
<b>Minimum hours taken from ENMU-Portales (final 30 of 60)</b>	<b>30</b>	<b>ENMU-Portales BS in Biology (Emphasis Pre-Med)</b>	<b>Var.</b>
<b>Minimum hours for BS (Transferred + ENMU-Portales)</b>	<b>120</b>	<b>Electives if needed to meet Degree requirements</b>	<b>Var.</b>

**Total: Minimum 120 Credit Hours**