

NEW MEXICO MILITARY ACADEMY (2022-2023)
AS IN PHYSICAL SCIENCES
ENMU-PORTALES (2023-2025)
BS IN CHEMISTRY, Emphasis in Pre-Med

Associate of Science in Physical Sciences at NMMI (70 - 80 Minimum Credit Hours)

Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
MATH	1510	Calculus I	4	*	*	Physical Sciences Elective: Another laboratory science (CHEM, GEOL, PHYS)	4
MATH	1520	Calculus II	4				
CHEM	1215/1225	Required Lab Sequence: General Chemistry I and II for STEM Majors + Labs	8				
New Mexico General Education Requirement							31 to 33
Total Hours							70 - 80

Courses That Can Be Completed at Either Institution

Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
These required courses may be completed at either NMMI (recommended) or at ENMU-Portales. A grade of C or better is necessary for these courses.				MATH	1220	College Algebra (Required for BS Degree)	3
				MATH	1230	Trigonometry (Required for BS Degree)	3
				MATH	1430	Applications of Calculus I	3
				MATH	2530	Calculus III (Required for BS Degree)	3
				PHYS	1230/L	Algebra-Based Physics I (Required for BS Degree)	4
				PHYS	1240/L	Algebra-Based Physics II (Required for BS Degree)	4

Bachelor of Science in Chemistry, Emphasis in Pre-Med, at ENMU-Portales

Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
*	*	Diversity/Global Upper-Division	3	CHEM	452	Biochemistry	3
CHEM	2310/L	Quantitative Analysis	4	CHEM	453	Advanced Biochemistry	3
CHEM	341/L	Organic Chemistry I	4	CHEM	470	Investigative Problems	3
CHEM	342/L	Organic Chemistry II	4	BIOL	2110/L	Prin. Of Biology: Cellular & Molecular Biology	4
CHEM	450/L	Instrumental Analysis	4	BIOL	2120	Cellular and Molecular Biology	3
CHEM	492	Undergraduate Seminar	3	BIOL	2210/L	Human Anatomy & Physiology I	4
CHEM	495	Senior Chemistry Review	3	BIOL	2225/L	Human Anatomy & Physiology II	4
CHEM	321/L	Inorganic Chemistry	4	BIOL	304	Genetics	3
CHEM	401/L	Biochemical Methods	4	BIOL	306/L	Microbiology	4
CHEM	411/L	Physical Chemistry I / Thermodynamics	4	Elective Courses to reach minimum of 120 hours if required			

Minimum GPA Requirement	2.0	NMMI AS in Physical Sciences	70 - 80
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 Chemistry	Var.
Minimum hours for BS (Transferred + ENMU-Portales)	120	Electives if needed to meet Degree requirements	Var.

Total: Minimum 120 Credit Hours