

NEW MEXICO MILITARY ACADEMY (2022-2023)
AS IN COMPUTER SCIENCE
ENMU-PORTALES (2023-2025)
ENMU-PORTALES BS IN COMPUTER SCIENCE

Associate of Science in Computer Science at NMMI (63 - 73 Minimum Credit Hours)

Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
MCIS	1814	Computer Science I	3	*	*	One of: ENGR 1103, 1453, 1463 -OR- BCIS 1110	3
MCIS	1824	Computer Science II	3	*	*	One of: ENGR 1103, 1453, 1463 -OR- BCIS 1110	3
MCIS	2814	Computer Science III	3	*	*	NM General Education Requirements	31-33
MCIS	2414	Discrete Mathematics	3				

Courses That Can Be Completed at Either Institution

	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	1350	Intro to Statistics (Option for BS)	4
	MATH	1510	Calculus I (Req'd for BS)	4
	MATH	1520	Calculus II (Req'd for BS)	4
	MCIS	1813	Programming in C++	3

Bachelor of Science in Computer Science at ENMU-Portales

Subject	Number	Title	Credit Hours	Subject	Number	Title	Credit Hours
*	*	Diversity/Global Upper-Division Course	3	CS	458	Mobile Application Development	3
CS	102	Computer Science Orientation	1	CS	460	Introduction to Applied Machine Learning	3
CS	120	Introduction to Computer Programming	3	CS	461	Operating Systems	3
CS	301	Programming Language Concepts	3	CS	472	Software Engineering	3
CS	334	Web Application & Development	3	BCIS	301	Information Systems for Managers	3
CS	357	Data Structures	3	EET	340	Intro to Computer Organization/Architecture	3
CS	359	Database Design & Programming	3	ENGL	305	Report Writing	3
CS	440	Computer Networks	3	MATH	*	One of: MATH 1350, STAT 313, 403 -OR- 400	3 or 4
CS	451	Design & Analysis of Algorithms	3			Elective Courses to reach minimum of 120 hours if required	

Minimum GPA Requirement	2.0	NMMI AS in Computer Science	63 - 73
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 Computer Science	Var.
Minimum hours for BS (Transferred + ENMU-Portales)	120	Electives if needed to meet Degree requirements	Var.

Total: Minimum 120 Credit Hours