

COMPUTER SCIENCE - ASSOCIATE OF APPLIED SCIENCE

NMSU Alamogordo 2026-2027 Catalog

A Suggested Plan of Study - Computer Science

Additional classes may be needed based on placement test results and course prerequisites. Visit with an advisor for help with creating a customized plan.

A grade of C- or better is required in all courses.

First Year		
Fall		Credits
CSCI 1115G	Modern Computing in Practice	4
CSCI 1120	Introduction to Computer Animation	3
CSCI 1220	Computer Programming Fundamentals: Python	3
COMM 1130G or COMM 1115G	Public Speaking or Introduction to Communication	3
MATH 1250G	Trigonometry & Pre-Calculus ¹	4
Credits		17
Spring		
CSCI 1720	Computer Science I	4
CIST 2311	Database Concepts and Principles	3
ENGL 1110G	Composition I	4
MATH 1511G	Calculus and Analytic Geometry I	4
Credits		15
Second Year		
Fall		
CSCI 2996	Special Topics (Problem Solving)	3
ENGL 2210G	Professional and Technical Communication	3
MATH 1521G	Calculus and Analytic Geometry II	4
Select one course from Area IV, V, or VI (3 credits)		3
Credits		13
Spring		
CSCI 2210	Object-Oriented Programming	4
CSCI 2220	Introduction to Data Structures and Algorithms	4
CSCI 2310	Discrete Mathematics for Computer Science	4
MATH 2415	Introduction to Linear Algebra	3
Credits		15
Total Credits		60

¹ MATH 1250G Trigonometry & Pre-Calculus is required for the degree but students may need to take any prerequisites needed to enter MATH 1250G first.

² See the General Education Section (<https://catalogs.nmsu.edu/alamogordo/general-information/general-education-new-mexico-common-core/>) of the catalog for a full list of courses.