INFORMATION TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

NMSU Alamogordo 2025-2026 Catalog

All Information Technology majors are required to complete a 1-credit internship program within the sophomore year.

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

Total Credits Required for Degree: 64

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 64 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education Requirements		
Select one course from four of the following six content areas for a total of 12-14 credits. [1,2]		12-14
This degree requires courses from Areas I, II, III, and IV.		
Area I: Communication		
ENGL 1110G	Composition I	
Area II: Mathematics		
MATH 1220G	College Algebra [3]	
Area III: Laboratory Science		
Select any Area III Laboratory Science course (4 credits) [2]		
Area IV: Social/Behavioral Sciences		
SOCI 1110G	Introduction to Sociology	
or PSYC 1110G	Introduction to Psychology	
General Education Elective		
COMM 1115G	Introduction to Communication	3
or COMM 1130G	Public Speaking	
Program Requirements		
CSEC 283	Ethical Hacking and Penetration Testing	3
CSEC 286	Information Security Certification Preparation	4
E T 104	Soldering Techniques	1
E T 120	Computation Software	3
E T 153	Fundamentals of Networking Communications	3
E T 155	Network Operating Systems I	3
E T 156	Introduction to Information Security	2
E T 182	Introduction to Digital Logic	2
E T 220	Internship	1
E T 253	Networking Operating Systems II	3
E T 262	Software Technology I	3
E T 273	Advanced Networking Communications	4
E T 283	Hardware PC Maintenance	3
E T 284	Software PC Maintenance	3
E T 291	PC Forensics and Investigation	3
OECS 204	Linux Operating System	3
OECS 220	Database Application and Design	3
Total Credits		**64**

[1] Each course selected must be from a different area and students cannot take multiple courses in the same area.

[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.

[3] MATH 1220G College Algebra is required for the degree but students may need to take prerequisites to enter the course.

NMSU Alamogordo 2025-2026 Catalog

A Suggested Plan of Study - Information Technology

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**
E T 104	Soldering Techniques	1
E T 120	Computation Software	3
E T 153	Fundamentals of Networking Communications	3
E T 156	Introduction to Information Security	2
ENGL 1110G	Composition I	4
MATH 1220G	College Algebra	3
	Credits	**16**
Spring		
COMM 1115G	Introduction to Communication	3
or COMM 1130G	or Public Speaking	
E T 155	Network Operating Systems I	3
E T 182	Introduction to Digital Logic	2
OECS 220	Database Application and Design	3
Select Area III Laboratory Science course (4 credits total) [1]		4
	Credits	**15**
Second Year		
Fall		
CSEC 283	Ethical Hacking and Penetration Testing	3
E T 253	Networking Operating Systems II	3
E T 273	Advanced Networking Communications	4
E T 283	Hardware PC Maintenance	3
E T 291	PC Forensics and Investigation	3
	Credits	**16**
Spring		
CSEC 286	Information Security Certification Preparation	4
E T 220	Internship	1
E T 262	Software Technology I	3
E T 284	Software PC Maintenance	3
OECS 204	Linux Operating System	3
SOCI 1110G	Introduction to Sociology	3
or PSYC 1110G	or Introduction to Psychology	
	Credits	**17**
	Total Credits	**64**

[1] 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.