

INFORMATION TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

NMSU Alamogordo 2026-2027 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		
<i>Select one course from four of the following six content areas for a total of 12-14 credits.</i> ^{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		
CIST 1413	Network Administration Concepts	4
CIST 1680	Linux Essentials	3
CIST 2311	Database Concepts and Principles	3
CIST 2887	Ethical Hacking	3
ET 104	Soldering Techniques	1
ET 120	Computation Software	3
ET 153	Fundamentals of Networking Communications	3
ET 155	Network Operating Systems I	3
ET 156	Introduction to Information Security	2
ET 182	Introduction to Digital Logic	2
ET 220	Internship	1
ET 253	Networking Operating Systems II	3
ET 262	Software Technology I	3
ET 273	Advanced Networking Communications	4
ET 283	Hardware PC Maintenance	3
ET 284	Software PC Maintenance	3
ET 291	PC Forensics and Investigation	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.

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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
ET 104	Soldering Techniques	1
ET 120	Computation Software	3
ET 153	Fundamentals of Networking Communications	3
ET 156	Introduction to Information Security	2
ENGL 1110G	Composition I	4
MATH 1220G	College Algebra	3
Credits		16
Spring		
CIST 2311	Database Concepts and Principles	3
COMM 1115G	Introduction to Communication	3
or COMM 1130G	or Public Speaking	
ET 155	Network Operating Systems I	3
ET 182	Introduction to Digital Logic	2
Select Area III Laboratory Science course (4 credits total) ¹		4
Credits		15
Second Year		
Fall		
CIST 2887	Ethical Hacking	3
ET 253	Networking Operating Systems II	3
ET 273	Advanced Networking Communications	4
ET 283	Hardware PC Maintenance	3
ET 291	PC Forensics and Investigation	3
Credits		16
Spring		
CIST 1413	Network Administration Concepts	4
CIST 1680	Linux Essentials	3
ET 220	Internship	1
ET 262	Software Technology I	3
ET 284	Software PC Maintenance	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.