

INFORMATION TECHNOLOGY

Associate in Applied Science and Certificate

This degree is designed to provide training and skills required for employment in the Information Technology (IT) career field. Employment for IT is available from the expanding computer service industry. This industry is one of the nation's fastest growing employment industries. Information technologists install, maintain, administer, and manage a computer network. This degree focuses on networking fundamentals such as network communication devices and protocols, network operating systems, personal computer (PC) hardware and software principles, PC and network security, support center operations and database management tools.

Credits

Freshman Year-Fall Semester

COLL	101	College Success	1
ENGL	111G	Rhetoric and Composition	4
E T	122	Fundamentals of Computer Applications	3
E T	153	Introduction to Computer Networks	3
MATH	120	Intermediate Algebra	3

Freshman Year-Spring Semester

COMM	265G	Principles of Human Communications	
		OR	
		COMM 253G Public Speaking	3
E T	155	Network Operating Systems I	3
E T	262	Software Technology I	3
E T	283	Hardware PC Maintenance	3
E T	284	Software PC Maintenance	3
		Humanities or social science elective*	3

Sophomore Year-Fall Semester

ENGL	218G	Technical & Scientific Communication	3
E T	253	Networking Operating System II	3
E T	273	Fundamentals of Networking Communications I	3
E T	285	Principles of Security	3
E T	287	PC Disaster and Data Recovery	3
E T	289	Database Fundamentals	3

Sophomore Year-Spring Semester

E T	220**	Internship	2
E T	256	Networking Operating System III	3
E T	277	Fundamentals of Network Communications II	3
E T	286	Fundamentals of Security	3
E T	290	Networking Wireless Communication	3
E T	291	PC Forensics and Investigation	3

* Humanities or social science elective must be selected to satisfy the college and New Mexico Common Core requirements.

** All Information Technology majors are required to complete a 2-credit internship program within the sophomore year.

The Network Operating Systems courses do not need to be taken in numerical order.

A grade of C or better is required in all E T, math, English, and science courses for the certificate and the degree.

Total Credits Required

67

Certificate in Network Specialist

This certificate prepares students for entry level positions in the computer networking support industry.

Credits

General Requirement (11 credits)

COLL	101	College Success	1
ENGL	111G	Rhetoric and Composition	4
E T	122	Fundamentals of Computer Applications	3
E T	153	Introduction to Computer Networks	3

Engineering Technology Options (Choose any 26 credits)

E T	155	Network Operating Systems I	3
E T	253	Networking Operating Systems II	3
E T	256	Networking Operating Systems III	3
E T	262	Software Technology I	3
E T	273	Fundamentals of Networking Communications I	3
E T	277	Fundamentals of Network Communications II	3
E T	283	Hardware PC Maintenance	3
E T	284	Software PC Maintenance	3
E T	285	Principles of Security	3
E T	286	Fundamentals of Security	3
E T	287	PC Disaster and Data Recovery	3
E T	289	Database Fundamentals	3
E T	290	Networking Wireless Communication	3
E T	291	PC Forensics and Investigation	3

Total Credits Required **37**

The Network Operating Systems courses, ET 155, 253, and 256, do not require completion in numerical order.

Students may apply the associate's degree coursework to a bachelor's degree in Information and Communication Technology (ICT) offered at the Las Cruces campus.

The Bachelor of Information and Communication Technology is available through the College of Distance Education from the main campus in Las Cruces. Most of the coursework can be completed through electronic classes with few visits to the Las Cruces campus. More information is available in the Advising Office.