

Associate in Applied Science Information Technology (A25590N) Concentration in Networking Technology



Overview

The Networking Technology curriculum prepares individuals for employment supporting network infrastructure environments. Students will learn how to use technologies to provide reliable transmission and delivery of data, voice, image, and video communications in business, industry, and education. Students will also learn how to implement and maintain Microsoft Windows Domain environments.

Course work includes the design, installation, configuration, and management of network and server infrastructure. Emphasis is placed on the implementation and management of hardware such as switches and routers, and supporting server environments based on Microsoft Windows Server platforms.

Graduates may find employment in entry-level jobs as local area network managers, network operators, network analysts, and network technicians, network engineers, or network administrators. Graduates may also be qualified to take certification examinations for various network industry certifications, depending on their local program. Network Technology is designed to prepare students for a variety of roles within support Enterprise Networking Infrastructure.

Students receive significant hands on experience in the study of Network Infrastructure and System Administration. The primary emphasis will be the implementation of a secure, reliable and robust network infrastructure and directory service environment. The program leads to an AAS degree. The program centers on the following industry certifications:

Cisco Systems - CCENT, CCNA

CompTIA - A+, Network+, Security+

Microsoft - MCSA Client Desktop Support, MCSA Server Support

Total Credit Hours: 72

Updated: 8/2018, Catalog Year 2018

Recommended Plan of Study

Semester 1

	Class	Lab	Credits
CTI 110 Web, Programming, & DB Found.	2	2	3
CTI 120 Network & Security Found.	2	2	3
CTI 130 O.S. & Device Found.	4	4	6
CTS115 Info Sys Business Concepts	3	0	3
CIS 110 Introduction to Computers	2	2	3
			18

Semester 2

COM 231 Public Speaking	3	0	3
ENG 111 Expository Writing	3	0	3
NOS 120 Linux Single User	2	2	3
NOS 130 Windows Single User	2	2	3
SEC 110 Security Concepts	2	2	3
			15

Semester 3

ENG 114 Professional Research & Reporting (ENG 112 may substitute)	3	0	3
MAT 143 Quantitative Literacy (MAT 152 or MAT 171 may substitute)	3	0	3
Social/Behavioral Sciences UGETC Elective	3	0	3
			9

Semester 4

Humanities/Fine Arts UGETC Elective	3	0	3
NET 125 Introduction to Networks	1	4	3
NET 126 Routing/Switching Essentials	1	4	3
	Take NET 125/126 in 8 week format for CCENT/ICND1 Prep		
NOS 230 Windows Admin I	2	2	3
NOS 231 Windows Admin II	2	2	3
	Take NOS 230/231 in 8 week format		
			15

Semester 5

NET 225 Scaling Networks	1	4	3
NET 226 Connecting Networks	1	4	3
	Take NET 225/226 in 8 week format for CCNA/ICND2 Prep		
NOS 232 Windows Admin III	2	2	3
	Take NOS 232 in 1st 8 week format		
NET 289 Networking Project	1	4	3
	Take NET 289 in 2nd 8 week format		

Major Elective : Choose 3 sem. hours

CCT 121 Computer Crime Invest	2	3	4
WBL 111 Work Based Learning I	0	10	1
WBL 121 Work Based Learning II	0	10	1
WBL 131 Work Based Learning III	0	10	1
			15

*Must choose from the approved General Education list. See catalog for more details.

Note: Many courses are offered in short session formats. Check schedule for offerings.

For more information:
Contact ITinfo@cpcc.edu
Or call 704.330.6549



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