

## Associate in Applied Science Degree

# NETWORK SYSTEMS MANAGEMENT

### Network Systems Management

With the widespread use of computers around the world, there is an ongoing need for skilled network administrators. The Associate in Applied Science degree in Network Systems Management prepares students for entry-level positions in a vast number of industries. The Network Systems Management degree will provide skills in network architecture, network design, and LAN/WAN services and support among others. These valuable skills enable graduates to work in IT for small businesses, public and private corporations, and in private practice.

#### PROGRAM INFORMATION

##### Course Sequence and Progression Requirements

A minimum grade of "C" or better is required for all CPT and IST prefixed courses for progression and graduation.

#### CURRICULUM SEQUENCE

##### First Semester - Fall

CPT 168	Programming Logic and Design	3
CPT 209	Computer Systems Management	3
CPT 278	Computer Software Applications	3
IST 201	Cisco Internetworking Concepts	3
MAT 101 or MAT 110	Beginning Algebra	3
	College Algebra	
	TOTAL	15

##### Second Semester - Spring

ENG 101 or ENG 155	English Composition I	3
IST 190	Communications I	
IST 202	LINUX Essentials	3
PHI 110	Cisco Router Configuration	3
SPC 205	Ethics	3
	Public Speaking	3
	TOTAL	15

##### Third Semester - Summer

IST 162	Introduction to Workstation Networking Administration	3
IST 192	LINUX Network Applications	3
IST 203	Advanced Cisco Router Configuration	3
PSY 103 or PSY 201	Human Relations	3
	General Psychology	
	TOTAL	12

##### Fourth Semester - Fall

CPT 242	Database	3
IST 165	Implementing and Administering Windows Directory Services	3
IST 204	Cisco Troubleshooting	3
IST 291	Fundamentals of Network Security I	3

(Continued)

	TOTAL	12
<b>Fifth Semester - Spring</b>		
CPT 264	Systems and Procedures	3
IST 261	Advanced Network Administration	3
IST 295	Fundamentals of Voice Over IP	3
<b>Choose 2 from below</b>	6	
CPT 280	SCWE in Computer Technology "Internship"	
IST 290	Special Topics in Information Sciences	
or		
IST 292	Fundamentals of Network Security II	
	TOTAL	15
	<b>TOTAL CREDIT HOURS</b>	<b>69</b>