

## Associate in Applied Science Degree

# COMPUTER TECHNOLOGY - NETWORKING

### Networking

With the widespread use of computers around the world, there is an ongoing need for skilled computer specialists. The Associate in Applied Science degree in Computer Technology - Networking Emphasis prepares students for entry-level positions in a vast number of industries. After completing a year in general computer courses, students choose an emphasis in Programming or Networking. The Networking emphasis provides skills in network architecture, network design, and LAN/WAN services and support. 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 Design	3
CPT 170	Microcomputer Applications	3
CPT 209	Computer Systems Management	3
MAT 101	Beginning Algebra*	3
PHI 103	Workplace Ethics*	3
	<b>TOTAL</b>	<b>15</b>

##### Second Semester - Spring

CPT 187	Object-Oriented Logic Design	3
CPT 270	Advanced Microcomputer Applications	3
IST 166	Network Fundamentals	3
IST 190	LINUX Essentials	3
MAT 122	Finite College Math	3
	<b>TOTAL</b>	<b>15</b>

##### Third Semester - Summer

ENG 155	Communications I*	3
IST 161	Introduction to Network Administration	3
IST 162	Intro. to Workstation Networking Fundamentals	3
IST 192	LINUX Network Applications	3
PSY 103	Human Relations*	3
	<b>TOTAL</b>	<b>15</b>

##### Fourth Semester - Fall

ENG 160	Technical Communications*	3
CPT 242	Database	3
IST 165	Implementing Administering Network Directory Services	3
IST 291	Fundamentals of Network Security I	3
	Elective**	3
	<b>TOTAL</b>	<b>15</b>

##### Fifth Semester - Spring

CPT 264	Systems Procedures	3
IST 295	Fundamentals of Voice Over IP	3
IST 261	Advanced Network Administration	3

(Continued)

Electives (Choose two)***	6
TOTAL	15
<b>TOTAL CREDIT HOURS</b>	<b>75</b>

\*Students interested in the Transfer University Parallel Programs should elect the following courses: MAT 110 College Algebra for MAT 101 Beginning Algebra; PSY 201 General Psychology for PSY 103 Human Relations; ENG 101 English Composition I; ENG 102 English Composition II and SPC 205 Public Speaking for ENG 155 Communications I and ENG 160 Technical Communications; and PHI 110 Ethics for PHI 103 Workplace Ethics.

\*\*Fourth semester elective: IST 242, CPT 280 or CWE

\*\*\*Fifth semester electives: IST 290, IST 292, CPT 280 or CWE