

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
	TOTAL	15

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
	TOTAL	15

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
	TOTAL	15

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
	TOTAL	15

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
TOTAL CREDIT HOURS	75

*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