

Associate in Applied Science Degree

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.

Admissions 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.
- All CPT and IST courses have a 5-year time limit.

Required Courses

Network Systems Management Requirements

DEGREE REQUIREMENTS: NETWORK SYSTEMS MANAGEMENT

Component	Course Title	Semester Credit Hours
GENERAL EDUCATION		
PHI 110	Ethics	3
SPC 205	Public Speaking	3
<i>Select one of the following Communications courses listed below:</i>		
ENG 101	English Composition I	3
ENG 155	Communications I	3
<i>Select one of the following Mathematics courses listed below:</i>		
MAT 101	Beginning Algebra	3
MAT 110	College Algebra	3
<i>Select one of the following Social/Behavioral Science courses listed below:</i>		
PSC 201	American Government*	3
PSY 201	General Psychology	3
CREDITS		15
REQUIRED CORE SUBJECT AREAS		
IST 201	Cisco Internetworking Concepts	3
IST 202	Cisco Router Configuration	3
IST 165	Implementing & administering Windows Directory Services	3
CPT 264	Systems & Procedures	3
IST 261	Advanced Network Administration	3
IST 203	Advanced Cisco Router Configuration	3
CREDITS		18
OTHER HOURS REQUIRED FOR GRADUATION		
CPT 168	Programming Logic and Design	3
CPT 242	Database	3
CPT 278	Computer Software Applications	3

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IST 162	Introduction to Workstation Networking Administration	3
IST 190	LINUX Essentials	3
IST 192	LINUX Network Applications	3
IST 196	Cloud Storage Fundamentals	3
IST 204	Cisco Troubleshooting	3
IST 291	Fundamentals of Network Security I	3
IST 295	Fundamentals of Voice Over IP	3
and		
Select two courses from the list below:		
CPT 280	SCWE in Computer Technology "Internship"	3
IST 290	Special Topics in Information Sciences	3
IST 292	Fundamentals of Network Security II	3
CREDITS		36
TOTAL CREDIT HOURS		69

*Students transferring to a senior institution are recommended to take PSC 201 at HGTC to satisfy Reach Act requirements. The Reach Act was passed in 2021 by the General Assembly.