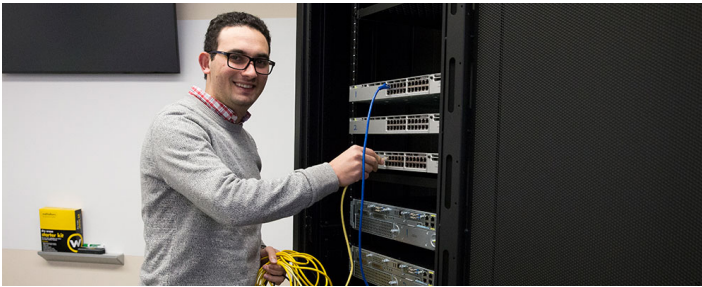


INFORMATION TECHNOLOGY - NETWORKING SOFTWARE, ASSOCIATE OF APPLIED BUSINESS



Students will be prepared for careers dealing with network software systems analysis, planning and implementation to create, manage and support networks. Students will gain the necessary skills to analyze network system needs for design, installation, maintenance and management of network software systems. Skills acquired will assist students in preparing to take industry certification exams.

Program contact: Learn more

Learn more about how certificate credits apply to the related degree and about related training programs.

Related Degrees and Certificates

- Electrical/Electronic Engineering Technology with a Concentration in Computer Networking Hardware, Associate of Applied Science
- Cisco, Short-Term Certificate
- IT Support Professional, Certificate of Proficiency
- Information Technology - Cybersecurity, Associate of Applied Business
- Information Technology - Cybersecurity, Post-Degree Professional Certificate

Related Training and Credentials

- Cisco Technical Training Institute
- Cisco Network Support Technician
- CompTIA Certified Computer Support Specialist

Program Admission Requirements

- High School Diploma/GED not required, but highly recommended
- ENG-0995 Applied College Literacies or appropriate score on English Placement Test.
- MATH-0955 Beginning Algebra or appropriate score on Math Placement Test.

Other Information

- Non-degree students may enroll for individual courses, providing they meet the course-specific prerequisites

Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

1. Communicate effectively utilizing verbal, written and presentation skills in-person, on the phone, and via the Internet with all levels in the organization.
2. Communicate appropriately with diverse audiences to provide high level customer service to internal and external constituents.
3. Work independently and effectively within a team to meet the needs of the organization.
4. Operate within diverse business cultures with professionalism, integrity and accountability.
5. Demonstrate ethical behavior and recognize legal issues.
6. Adapt to change within their profession by demonstrating a commitment to continuous learning and the flexibility to deal with different requirements from different clients with a wide range of personality styles and prior computer knowledge.
7. Plan, organize, and prioritize tasks in order to meet project deadlines.
8. Apply analytical, critical and creative thinking and problem solving/ troubleshooting techniques to develop effective information technology solutions in the context of business needs.
9. Apply fundamental concepts of computer hardware, operating systems, business applications, networking, security, backup and recovery procedures to troubleshoot, maintain and support PC hardware and software to ensure an efficient and effective operation.
10. Apply principles of networking software to design, install, configure, and maintain secure, fault tolerant operation within a server based network environment, including local and remote access.
11. Sit for A+, Network +, Security + and MCP Certification Exams.

Suggested Semester Sequence

Summer Start		Credit Hours
EET-1015	Introduction to Computer Maintenance and Repair	3
IT-1025	Information Technology Concepts for Programmers	3
Select one of the following:		3
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
Credit Hours		9
First Semester		
EET-1035	Operating Systems and Software for PC Technicians	4
EET-1055	Computer Hardware Support	4
IT-1050	Programming Logic	3
ITNT-2300	Networking Fundamentals	3
Credit Hours		14
Second Semester		
ITNT-2320	Network Administration I	3
IT-2750	Scripting Fundamentals for Cybersecurity	3
Arts and Humanities/Social and Behavioral Sciences requirement		3
Select one of the following:		3

ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
Credit Hours		12

Third Semester

BADM-1020	Introduction to Business	3
ITNT-2370	Network Security Fundamentals	3
ITNT-2380	Linux Administration	3
MATH-1xxx	1000-level MATH course or higher	3
Select one of the following:		3
COMM-1010	Fundamentals of Speech Communication	
COMM-101H	Honors Speech Communication	
Credit Hours		15

Fourth Semester

BADM-1050	Professional Success Strategy	3
ITNT-2990	Networking Capstone	3
ITXX-2xxx	2000 level ITNT elective	1-3
Natural and Physical Sciences requirement		3
Credit Hours		10-12
Total Credit Hours		60-62

Electives

Code	Title	Credit Hours
ITNT-2310	TCP/IP	3
ITNT-2420	Network Administration II	3
IT-2830	Cooperative Field Experience	1-3