

COMPUTER NETWORKING AND SECURITY, CERTIFICATE OF COMPLETION

The Computer Networking and Security program prepares students for employment in the Information Technology (IT) sector, including positions in information security administration, Microsoft system administration, network administration, and technical support.

It also prepares students for the following industry certifications:

- Cisco CCNA v7
- CompTIA Security+
- CompTIA Cybersecurity Analyst (CYSA+)
- CompTIA Linux+
- [Microsoft MD-100 - Windows Client](#)
- [Microsoft MD-101 - Managing Modern Desktops](#)
- [Microsoft AZ-800 - Administering Windows Server Hybrid Core Infrastructure](#)
- [Microsoft AZ-801 - Configuring Windows Server Hybrid Advanced Services](#)

Upon successful completion of the program, students will be able to:

- Implement and configure Cisco routers to perform local and wide area network routing using various routing protocols.
- Implement and configure Cisco switches to perform local area network switching.
- Implement and configure security on local and wide area networks.
- Implement and configure UNIX systems to obtain and provide network services.
- Configure and manage a Microsoft Windows Server and Client, both on premises and in the cloud.
- Install and configure settings in a Windows client operating system including configuring storage and security, managing data access, configuring applications, network connectivity, and recovery options.

Certificate of Completion Requirements

Code	Title	Units
Required Core		
CSIS 472A	Administering Windows Server Core Infrastructure (85 hours)	
CSIS 472B	Configuring Windows Server Hybrid Advanced Services (85 hours)	
CSIS 476A	Cisco Certified Network Associate (CCNA) 1 (102 hours)	
CSIS 476B	Cisco Certified Network Associate (CCNA) 2 (102 hours)	
CSIS 476C	Cisco Certified Network Associate (CCNA) 3 (102 hours)	
CSIS 480	Introduction to UNIX and Linux (86 hours)	
CSIS 483A	Microsoft Client Operating System (85 hours)	
CSIS 486	Network Security Fundamentals/Security+ Prep (102 hours)	

CSIS 489	Preparation for Cybersecurity Analyst Certification (CYSA+) (102)
WORK 496	Professional and Essential Skills (34-204 hours)
or WORK 499	Career-Focused Work Experience
Total Hours	885-1055

Please refer to the program requirements section of the Catalog for information about associate degree requirements and certificate requirements including Information Competency, and General Education requirements.