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 or WORK 499	Professional and Essential Skills (34-204 hours) 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.

The model sequence of coursework below is one pathway for students to complete the program. The information below is not an official educational plan. An MPC Counselor can assist you with creating a personalized education plan based on your academic, career, and personal goals. Visit MPC's Counseling website for more information about Counseling and up-to-date program requirements.

Suggested Course Sequence

Year 1		
Fall		**Units**
CSIS 472A	Administering Windows Server Core Infrastructure	0
CSIS 476A	Cisco Certified Network Associate (CCNA) 1	0
CSIS 483A	Microsoft Client Operating System	0
CSIS 486	Network Security Fundamentals/Security+ Prep	0
WORK 496 or WORK 499	Professional and Essential Skills or Career-Focused Work Experience	0
	Units	**0**
Spring		
CSIS 472B	Configuring Windows Server Hybrid Advanced Services	0
CSIS 476B	Cisco Certified Network Associate (CCNA) 2	0
CSIS 476C	Cisco Certified Network Associate (CCNA) 3	0
CSIS 480	Introduction to UNIX and Linux	0
CSIS 489	Preparation for Cybersecurity Analyst Certification (CYSA+)	0
	Units	**0**
	Total Units	**0**

MPC "Ready to Work" Career Education programs offer students the opportunity to gain knowledge and skills needed for employment and job advancement.

All students should consult with a Counselor to discuss career pathways, for support with career exploration and planning, and to create a personalized education plan to help them meet their academic, career, and personal goals. Visit MPC's Counseling website for more information about Counseling services provided by MPC and to connect with a Counselor.

Additional resources are available through MPC's Career & Transfer Resource Center (CTRC). The CTRC offers career resources, workshops, guidance and referrals. Visit the CTRC for support finding online career information and other resources to explore majors, occupations, and employment information.