

ADVANCED IT NETWORKING & SECURITY, CERTIFICATE OF COMPLETION

The Advanced IT Networking & Security Certificate of Completion provides advanced skills in cybersecurity, Windows system administration and cloud management concepts. This certificate will prepare students for a network administrator, computer systems administrator or information security analyst position in Information Technology. It will also prepare students to sit for the following industry certification exams:

- Microsoft AZ-800: Administering Windows Server Hybrid Core Infrastructure
- Microsoft AZ-801: Configuring Windows Server Hybrid Advanced Services
- CompTIA Cybersecurity Analyst+
- CompTIA Network+
- CompTIA PenTest+
- Cisco CCNA

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

- Apply information security concepts to real world scenarios.
- Apply IT best practices in administering Windows servers on-premises, in the cloud, or in a hybrid environment.
- Design, deploy, maintain and troubleshoot computer networks.

Noncredit Certificate of Completion Requirements

Code	Title	Units
CSIS 472A	Administering Windows Server Core Infrastructure (34 hours lecture, 51 hours lab)	
CSIS 472B	Configuring Windows Server Hybrid Advanced Services (34 hours lecture, 51 hours lab)	
CSIS 476A	Cisco Certified Network Associate (CCNA) 1 (34 hours lecture, 68 hours lab)	
CSIS 476B	Cisco Certified Network Associate (CCNA) 2 (34 hours lecture, 68 hours lab)	
CSIS 476C	Cisco Certified Network Associate (CCNA) 3 (34 hours lecture, 68 hours lab)	
CSIS 486	Network Security Fundamentals/Security+ Prep (34 hours lecture, 68 hours lab)	
CSIS 488	Security Practices: Penetration Testing & Discovery (34 hours lecture, 51 hours lab)	
CSIS 489	Preparation for Cybersecurity Analyst Certification (CYSA+) (34 hours lecture, 68 hours lab)	
CSIS 495	Network Fundamentals (17 hours lecture, 51 hours lab)	
WORK 496 or WORK 499	Professional and Essential Skills (34 hours) Career-Focused Work Experience	
Total Hours		901

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	
CSIS 476A	Cisco Certified Network Associate (CCNA) 1	
CSIS 486	Network Security Fundamentals/Security+ Prep	
Units		0

Spring

CSIS 472B	Configuring Windows Server Hybrid Advanced Services	
CSIS 488	Security Practices: Penetration Testing & Discovery	
CSIS 476B	Cisco Certified Network Associate (CCNA) 2	
CSIS 476C	Cisco Certified Network Associate (CCNA) 3	
Units		0

Year 2

Fall

CSIS 489	Preparation for Cybersecurity Analyst Certification (CYSA+)	
CSIS 495	Network Fundamentals	
WORK 496 or WORK 499	Professional and Essential Skills or Career-Focused Work Experience	
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.