CYBERSECURITY SKILLS, CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement will provide students with skills in cybersecurity and the preparation necessary to undertake the following certification exams: CompTIA Security+, EC-Council Certified Ethical Hacker (CEH), and CCNA Cyber Ops.

Learning Outcomes

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

- Install and configure basic routing and switching elements.
- Collect and analyze data to uncover attacks and malware.
- Identify attacks, explain security policy, and perform encryption, access control, PKI, authentication, and cryptography.
- Explain concepts of system vulnerability assessment, penetration testing, exploits, and countermeasures.

Certificate of Achievement Requirements

Code	Title	Units
Required Core		
CSIS 76A	Cisco Certified Network Associate (CCNA) 1	3
CSIS 86	Network Security Fundamentals/Security+ Prep	3
CSIS 87	Computer Forensics	3
CSIS 88	Security Practices: Penetration Testing and Discovery	3
CSIS 89	Preparation for Cybersecurity Analyst Certification (CYSA+)	3
WORK 96 or WORK 99	Professional and Essential Skills Career-Focused Work Experience	1-2
Total Units		**16-17**

Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, 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.

Year 1

Fall		Units
CSIS 76A	Cisco Certified Network Associate (CCNA) 1	3
CSIS 86	Network Security Fundamentals/Security+ Prep	3
	Units	**6**
Spring		
CSIS 87	Computer Forensics	3
CSIS 88	Security Practices: Penetration Testing and Discovery	3

CSIS 89	Preparation for Cybersecurity Analyst Certification (CYSA+)	3
WORK 96 or WORK 99	Professional and Essential Skills or Career-Focused Work Experience	1-2
	Units	**10-11**
	Total Units	**16-17**

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.