

INTERMEDIATE IT NETWORKING & SECURITY, CERTIFICATE OF COMPLETION

The Intermediate IT Networking & Security Certificate of Completion provides the skills to secure IT systems, manage IT projects and processes, and learn the basics of Linux and Python. 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:

- ITIL Foundation
- Linux+
- Project+
- PenTest+

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

- Construct a computer program to solve a task using the Python programming and Bash scripting languages.
- Employ best practices in administration and securing of information systems.
- Apply industry standards to both project and process management within an organization.

Noncredit Certificate of Completion Requirements

Code	Title	Units
CSIS 480	Introduction to UNIX and Linux (86 Hours)	
CSIS 481	ITIL Essentials (17 Hours)	
CSIS 486	Network Security Fundamentals/Security+ Prep (102 Hours)	
CSIS 488	Security Practices: Penetration Testing & Discovery (85 Hours)	
CSIS 498	Project Development (36 Hours)	
WORK 496 or WORK 499	Professional and Essential Skills (34-204 Hours) Career-Focused Work Experience	
Total Hours		360-530

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.

Year 1

Fall	Units
CSIS 480	Introduction to UNIX and Linux
CSIS 481	ITIL Essentials

CSIS 486	Network Security Fundamentals/Security+ Prep	
Units		0
Spring		
CSIS 488	Security Practices: Penetration Testing & Discovery	
CSIS 498	Project Development	
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.