

CYBERSECURITY: SECURE NETWORK TECHNICIAN - CERTIFICATE

Overview

See [Department website and program contacts here](#)

The **Cybersecurity: Secure Network Technician certificate** is designed for students seeking entry-level careers in computer support, networking, and information technology. The curriculum introduces foundational technical skills used in computer setup, maintenance, networking, and basic cybersecurity.

Coursework includes topics such as **PC maintenance and repair, local area network (LAN) design and support, small office and home networking, and basic cybersecurity principles**. Students develop practical technical skills that support success in entry-level IT and network support environments.

The Secure Network Technician certificate is workforce-focused and emphasizes practical, applied learning that prepares students for positions such as computer repair technician, network technician, computer lab assistant, and help desk support specialist. **Coursework may also support preparation for industry certifications such as CompTIA A+ and Cisco CCENT.**

Students are encouraged to work with an advisor (<https://www.mhcc.edu/student-resources/academic-advising/>) to ensure appropriate course selection and program planning based on their educational background and career goals.

Refer to the tabs above for additional information about:

- **Education Plan** – provides a sample term-by-term sequence of courses
- **Career Info** – includes information on potential occupations, employment trends, and earnings

Program Learning Objectives

At the completion of this program, students should be able to:

- Perform preventative hardware and software maintenance
- Troubleshoot and correct computer hardware and software problems
- Conceptualize possible solutions for Small Office/Home Office (SOHO) networks
- Assemble, reconfigure and upgrade personal computers
- Work with others as part of a computer team

Education Plan

This sample Education Plan illustrates one possible course sequence. Students should consult an advisor (<https://www.mhcc.edu/student-resources/academic-advising/>) to create a personalized plan.

For success in this program, entering students are recommended to be proficient in basic computer skills. Students without computer experience or who want to brush up on computer skills before beginning this program are encouraged to enroll in BCS090 Computer Basics for

College Success a FREE course offered through the Learning Success Center.

General education courses (such as math, writing, health, etc.) can be taken during any term, or before starting the program.

First Quarter		
Fall		Credits
CIS151	Introduction to Networks	4
ISTM183A	Preparation for A+ Essentials	3
ISTM183C	Fundamentals of CyberSecurity	3
Credits		10
Second Quarter		
Winter		
CIS125SS	Spreadsheets	3
CIS152	Switching, Routing and Wireless Essentials	4
ISTM183B	Preparation for A+ Practical Application	3
Credits		10
Third Quarter		
Spring		
CIS276	SQL	4
ISTM140L	Preparation for Linux	4
Credits		8
Total Credits		28

The Secure Network Technician program is not financial aid eligible. However, the related degree program, Cybersecurity and Networking is aid eligible.

Awarding Requirements

The following requirement(s) must be fulfilled to be awarded the Cybersecurity: Secure Network Technician certificate:

- All program core courses (CIS, ISTM) must be completed within five (5) years of starting the program.

Career Information

Explore potential careers related to this program, including typical job roles, employment trends, and projected growth. This information can help you better understand how your education may align with future career opportunities.