

2021-22 ACADEMIC PROGRAMS

PRINCIPLES OF CYBERSECURITY (CVCSCP)

Advanced Certificate

This program is designed to meet the emerging demand for highly skilled cybersecurity professionals within the information technology industry and business community. This certificate program provides an in-depth examination of cybersecurity technology with an emphasis on executing a vulnerability analysis of an organization network and network hardening. The student will be trained to use various tools to analyze networks for vulnerabilities and secure networks through the application of various defense mechanisms including firewalls, intrusion detection and Virtual Private Networks (VPN).

This is a **high demand, high skill and high wage** program as defined by the [Michigan Community College Network](#).

Program is also available online

Description

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Admissions Requirements

Completion of the Computer Networking Academy Certificate or industry experience with Linux, Windows, working at the command line of any operating system and networking.

Applying for Admission to the Program

In order to meet the requirements of the market for jobs in network security, students should have professional or educational experience in network and system administration.

Continuing Eligibility

Students must maintain a grade of "C" or better in the program requirements.

Course Requirements

Major/Area Requirements

Class	Title	Minimum Credits
CSS 200	Introduction to Network Security - Security+	4
CSS 205	Essentials of Network Penetration Testing	4
CSS 210	Network Perimeter Protection - CCNA Security	4
CSS 295	Cybersecurity Industry Certification Preparation	1
Total		13

Total Credits Required: 13

Accurate as of 12/08/2021 Information is subject to change without notice.