PRINCIPLES OF CYBERSECURITY (ADVANCED CERTIFICATE)

Catalog Effective Term: Fall 2024
Program Code: CVCSCP
Credential: Advanced Certificate
Program is also available online
High Demand Occupation, High Skill Occupation, High Wage Occupation

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).

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.

Program Admission 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.

Continuing Eligibility Requirements

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

Minimum Credits Required for the Program: 13

Code	Title	Credits
Major/Area Requirements		
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 Credits		**13**