

CYBER SECURITY, CERTIFICATE OF COMPETENCY (CSC)

Effective Fall 2022

The Cyber Security Certificate Degree Program prepares students to identify security threats to networked computers, devices, and their data. Students will learn how to examine network intrusions in order to implement proper defense techniques. Ethical hacking techniques and programs will be used by students to help them identify potential weaknesses in network, network devices, and data. Students completing this certificate program will be qualified for employment in positions related to networking and cyber security specialists. This program also helps prepare students for the following Information Technology certification exams; CompTIA A+, CompTIA Network+, CompTIA Security +, and the EC-Council Certified Ethical Hacker (CEH).

Students can transfer in correlating college credits for any of the program courses in this certificate degree program. Additionally, students can also gain college credits for any correlating industry certifications listed above that they currently hold, but in either case students must complete at least half of the credits in the program in order to complete and obtain this certificate.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Describe common Cyber Security threats and defenses
- Analyze Computer Systems for evidence of abuse or intrusions
- Perform penetration tests and scan for vulnerabilities
- Install and secure network operating systems and devices

Full-Time Academic Plan

The College will award a certificate of competency to students who complete an approved credit-bearing career program that requires less than 30 credits. General education courses may not be required for programs that have less than 30 credits. The student must have a cumulative GPA of 2.0 or higher. At least six (6) credits, or 50% of the total credits required, whichever is greater, must be completed at Delaware County Community College.

First Semester		Hours
CS 100	Introduction to Information Technology	3
CS 127	Introduction to PC Support	3
CS 128	PC Repair and Maintenance	3
NET 110	Network Communications	3
Hours		12
Second Semester		Hours
CS 101	Introduction to Computer Science	3
NET 125	Ethical Hacking	4
NET 142	Cyber and Network Security Concepts	4
NET 200	Digital Forensics	3
Hours		14
Total Hours		26

Notes: Part-Time Academic Plan

Course	Title	Hours
First Semester		
CS 100	Introduction to Information Technology	3
CS 127	Introduction to PC Support	3
CS 128	PC Repair and Maintenance	3
Hours		9
Second Semester		
NET 110	Network Communications	3
CS 101	Introduction to Computer Science	3
NET 125	Ethical Hacking	4
Hours		10
Third Semester		
NET 142	Cyber and Network Security Concepts	4
NET 200	Digital Forensics	3
Hours		7
Total Hours		26

Career