CYBERSECURITY, CERTIFICATE OF COMPLETION

Program Description

The **Cybersecurity Certificate of Completion** is designed for students interested in developing foundational skills in protecting computer systems, networks, and digital information. This program introduces students to the principles of information security and the strategies used to identify, prevent, and respond to cybersecurity threats.

Students learn about network security, system vulnerabilities, ethical practices in cybersecurity, and techniques used to safeguard digital infrastructure. Coursework emphasizes practical problem-solving, risk awareness, and the application of security measures to protect organizational data and technology systems.

This certificate can serve as a standalone credential for students seeking to build technical skills in cybersecurity or as a complement to degree programs in computer science, information technology, or related technology fields.

Transfer Information

The Cybersecurity Certificate may complement the Associate in Science in Computer Science or related technology programs. Students planning to continue their education toward a bachelor's degree are encouraged to consult with faculty and Advising & Transfer Services to determine how coursework may support their academic and professional goals.

Students may also pursue industry-recognized certifications to strengthen their career opportunities in cybersecurity and information technology.

Career Information

The Cybersecurity Certificate prepares students for entry-level roles supporting cybersecurity and information technology operations.

Potential career paths include:

- Cybersecurity Support Specialist
- Network Security Technician
- Information Security Support Technician
- Security Operations Center (SOC) Support Analyst
- IT Security Support Specialist

Students are encouraged to consult with faculty and Career Services to explore certification pathways, internships, and career opportunities in cybersecurity and information technology.

The Ocean County College Certificate of Completion in Cybersecurity provides students with the fundamentals necessary to pursue a career as an information security analyst. It is the common foundation for alternative Associate's Degree paths, both direct to industry, and with articulation into a four-year university programs. It provides the background necessary for students to prepare for and acquire recognized industry certifications as well.

The US Bureau of Labor Statistics estimated 131,000 positions in information security in 2019, growing by 31% in the next ten years. Furthermore, the chair of the House Subcommittee on Research and Technology estimates that 1/3 of such positions are going unfilled and require multiple pathways, including certifications and internship programs to fill the void.

First Semester		Credit Hours
CSIT 144	Introduction to Operating System Using Unix	3
CSIT 185	Networking I	3
CSIT 200	Information Security Fundamentals	3
	Credit Hours	**9**
Second Semester		
CSIT 277	Introduction to Cloud Computing	4
CSIT 240	Ethical Hacking: Hacker Techniques and Tools	3
CSIT 241	Cybersecurity Legal and Regulatory Overview	3
	Credit Hours	**10**
	Total Credit Hours	**19**