



CYBERSECURITY AT CAPE TECH

NEW FOR 2024-2025

ABOUT THE PROGRAM

Cybersecurity will provide student-centered theory classrooms for the study of various IT careers and the industry demands of this career cluster. The overall focus of this program is to expose students to successful solutions for the security needs of multiple businesses and organizations through risk management, incident handling, integrated network solutions, and application development while maintaining an ethical profile. Cybersecurity is aimed to protect computers, networks, and software programs. Learning and implementing this protection will ensure future customer confidentiality and integrity, as well as effective security management practices and controls. This program provides an opportunity for students to receive various certifications and on the job training.

STUDENTS WILL

- Prepare for the world of work but also post-secondary education in the event they wish to extend their studies in various information technology careers.
- Participate in activities for this program in a state-of-the-art facility and have access to virtual options aligned with the curriculum.
- Learn the basic tasks necessary for safeguarding a computer system including personal computer security, organizational computer security, internet security, and network security. This course will prepare students for cyberattacks and how to respond when they occur.
- Explore a wide range of job opportunities within the field through internships, field trips, and other interactions with professionals within the industry.

CAREER PATHWAYS

INFORMATION SECURITY OFFICE // INFORMATION SYSTEMS SECURITY OFFICE (ISSO) // INFORMATION TECHNOLOGY SECURITY ANALYST (IT SECURITY ANALYST) // NETWORK SECURITY ANALYST // CLOUD SOLUTION ENGINEER/DATA ANALYST // DATABASE CODER // APP DEVELOPER // PROGRAMMER // WEB DEVELOPER