

Cybersecurity

A.S. DEGREE MAJOR

This program prepares students for a career in cybersecurity as a Cybersecurity Analyst. The program emphasizes competency in computer, network and application security for ensuring the security, confidentiality, integrity and availability of enterprise computing and information systems infrastructure. Students will develop skills in risk and vulnerability management as well as learn competencies in cyber defense and penetration testing strategies.

Program goals include preparing students to understand the role of cybersecurity in the Information Systems ecosystem. Students will be able to show competencies in network administration, Linux and Windows operating systems, Python programming, cyber forensics, vulnerability management and penetration testing.

PROGRAM REQUIREMENTS	UNITS
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CSNT 110 Hardware and OS Fundamentals	4
CSNT 111 Networking Fundamentals	3
CSIT 125 Computer Information Systems	3
CSCI 130 Linux Fundamentals	3
CSNT 181 Hacker Prevention/Security	3
CSIT 175 Python Programming	3
CSNT 250 Cyber Defense and Analysis	3
CSNT 255 Ethical Hacking Principles	3
CSNT 280 Computer Forensic Fundamentals	3

TOTAL UNITS	28
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SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
CSNT 110 CSNT 111	CSIT 125 CSNT 181	CSIT 175 CSNT 250 CSCI 130	CSNT 255 CSNT 280