

CYBERSECURITY SPECIALIST

The Cybersecurity Specialist certificate is designed for students interested in a career in the area of protecting computer systems and networks, preparing students for career advancement and serving as the major core of the Associate of Arts in Cybersecurity degree for transfer students. Students will learn about the vulnerabilities of hardware and software systems, perform network security testing, including countermeasure testing and the risk factor analysis needed to design a flexible and comprehensive security plan. Students will gain skills in providing for business continuity and disaster recovery. They can sit for the following industry certifications: CompTIA Linux+ and Security+; CCENT; CCNA Cyber Ops (SECOPS); and Microsoft Technology Associate.

CIS-152	ETHICAL HACKING II	3.00
CIS-162	INTRODUCTION TO COMPUTER FORENSICS	3.00
CIS-245	NETWORK SECURITY	3.00
CIS-272	LINUX OPERATING SYSTEM ADMINISTRATION	3.00
Credits		15.00
Total Credits		30.00

Program Outcomes

1. Develop cybersecurity programs, policies, and procedures for implementation.
2. Evaluate and recommend cybersecurity systems and solutions for network defense and monitoring.
3. Assess the cybersecurity posture of systems.
4. Discuss relevant laws, regulations, and frameworks as they apply to cybersecurity operations.
5. Prioritize and classify cybersecurity risks.

Requirements

Code	Title	Credits
Required Coursework		30.00
CIS-112	CISCO I ¹	
CIS-113	CISCO II ¹	
CIS-151	ETHICAL HACKING I ¹	
CIS-152	ETHICAL HACKING II ¹	
CIS-161	CYBERSECURITY OPERATIONS ¹	
CIS-162	INTRODUCTION TO COMPUTER FORENSICS ¹	
CIS-172	LINUX OPERATING SYSTEMS ¹	
CIS-245	NETWORK SECURITY ¹	
CIS-270	PC OPERATING SYSTEMS ¹	
CIS-272	LINUX OPERATING SYSTEM ADMINISTRATION ¹	
Total Credits		30.00

¹ Course has prerequisite(s)

Tuition is calculated by contact hours per semester.

Note: No course below 100 level will be applied to this certificate.

Current/Updated: 05/14/2020

Suggested Schedule

Course	Title	Credits
Fall 1		
CIS-112	CISCO I	3.00
CIS-151	ETHICAL HACKING I	3.00
CIS-161	CYBERSECURITY OPERATIONS	3.00
CIS-172	LINUX OPERATING SYSTEMS	3.00
CIS-270	PC OPERATING SYSTEMS	3.00
Credits		15.00
Winter 1		
CIS-113	CISCO II	3.00