

Cybersecurity Certificate of Accomplishment - Active

Department: Computer Networking & Information Technology

Approval: November 2013

Effective Semester: Fall 2015

This certificate includes instruction in threats to networked computers and devices, and defense techniques. Students completing this certificate program will be qualified for employment as networking professionals at security-conscious companies and be able to prepare for the Comp TIA Security+ exam and the E-C Council Certified Ethical Hacker exam.

Learning Outcomes

Upon completion of this program, students will be able to:

- Describe common Cybersecurity threats and defenses, prioritize them, and properly implement defenses such as firewalls and intrusions defense systems
- Analyze systems for evidence of abuse or intrusions
- Perform basic penetration tests and security audits

Students must complete each course with a grade of "C" or higher.

The minimum time for completion of this certificate is 2 semesters. Completion time will vary based on student preparation and number of classes completed per semester.

Courses Required for the Certificate of Accomplishment in Cybersecurity

Course	Units
Required courses:	
CNIT 40 - DNS Security	1.00
CNIT 120 - Network Security	3.00
CNIT 121 - Computer Forensics	3.00
CNIT 122 - Firewalls	3.00
CNIT 123 - Ethical Hacking & Network Defense	3.00
Total:	13.00
Choose one of the following network courses:	
CNIT 106 - Introduction to Networks	3.00
CNIT 201C - Introduction to Cisco Networks	3.00
Total:	3.00
Total:	16.00

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