

CYBERSECURITY SKILLS, CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement will provide students with skills in cybersecurity and the preparation necessary to undertake the following certification exams: CompTIA Security+, EC-Council Certified Ethical Hacker (CEH), and CCNA Cyber Ops.

Learning Outcomes

Upon successful completion of the program, students will be able to:

- Install and configure basic routing and switching elements.
- Collect and analyze data to uncover attacks and malware.
- Identify attacks, explain security policy, and perform encryption, access control, PKI, authentication, and cryptography.
- Explain concepts of system vulnerability assessment, penetration testing, exploits, and countermeasures.

Certificate of Achievement Requirements

| Code | Title | Units |
|-----------------------|---|--------------|
| Required Core | | |
| CSIS 76A | Cisco Certified Network Associate (CCNA) 1 | 3 |
| CSIS 86 | Network Security Fundamentals/Security+ Prep | 3 |
| CSIS 87 | Computer Forensics | 3 |
| CSIS 88 | Security Practices: Penetration Testing and Discovery | 3 |
| CSIS 89 | Preparation for Cybersecurity Analyst Certification (CYSA+) | 3 |
| WORK 96 or WORK 99 | Professional and Essential Skills Career-Focused Work Experience | 1-2 |
| Total Units | | 16-17 |

Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, Information Competency, and General Education requirements.