

# Cybersecurity

## Degree Type

Certificate

Students in the Cybersecurity certificate program acquire a wide range of technical skills that prepare them for penetration testing positions.

Learn more about the program and apply at [Cybersecurity Certificate](#)

## Requirements

Item #	Title	Credits
CIT116 (BIT116)	IT: Linux	3
CIT248	Switching, Routing & Wireless Essentials (Cisco 2)	4
CIT240	Security+	3
CIT241	IT: Ethical Hacking	3
CIT242	IT: Advanced Ethical Hacking I	3
CIT243	IT: Advanced Ethical Hacking II	3
CIT254	Computer Forensics	3
CIT245	IT Security: Penetration Testing	3
<b>Total Credits</b>		<b>25</b>

### Career Outlook

Students completing the Cybersecurity certificate are trained to work as penetration testers within network administration, engineering, management or consulting. Students are encouraged to build on the certificate program eventually obtaining a degree at the College.

### Program Outcomes

Upon successful completion of the Cybersecurity Certificate, students are able to:

- Read, write, discuss, and think critically about topics and ideas in IT Security.
- Analyze ethical issues and apply ethical standards in the performance of responsibilities in a variety of IT Security careers.
- Work independently and with teams in an IT Security setting.
- Synthesize information from documentation and solve business problems.
- Prepare for Security Penetration Testing certification exam.
- Prepare for Security+ certification exam.
- Prepare for Ethical Hacking certification exam.
- Prepare for Advanced Ethical Hacking certification exam.
- Prepare for Security Reverse Engineering certification exam.
- Prepare for Security Expert Penetration Testing certification exam.

### Program Completion

Completion of a program is based on full time enrollment. Many of our students attend part time and may not complete within the one year timeline.

## Prerequisite Statement

To graduate within this program in the specified time, students must begin in the Fall semester and successfully place into required courses based on placement test results and/or high school GPA. Academic advisors can assist with questions.