

# Information Technology Certificate Security - Penetration Testing

## Prerequisite

A+ Certification or IT-PC Service Technician Certificate or permission of Information Technology Coordinator

Course #	Course Title	Credits	Prerequisites	Semester Offered	Semester Taken	Grade Earned
BIT116	IT: LINUX	3	ENL020 and ENL050 or satisfactory basic skills assessment score	Varies		
BIT236	Wireless Networking	3	BIT187	Fall		
BIT 240	IT: Security +	3	BIT187 or Networking Essentials Certification*	Varies		
BIT241	IT: Ethical Hacking-CEH	3	BIT240 or a Security+ Certification* and co-requisite of BIT116 or a Linux Certification*	Varies		
BIT242	IT: Advanced Ethical Hacking - I	3	BIT241 or a Certified Ethical Hacker Certification*	Varies		
BIT243	IT: Advanced Ethical Hacking - II	3	BIT242 or a Certified Ethical Hacker Certification*	Varies		
BIT 244	IT Security: Reverse Engineering for-CREA	3	BIT243 or a Certified Expert Penetration Tester Certification*	Varies		
BIT245	IT Security: Expert Penetration Testing-CEPT	3	BIT244 or a Certified Reverse Engineering Analyst Certification*	Varies		
<b>Total Credits</b>		<b>24</b>				

\*Certifications must have been earned within the past 5 years.

## Overview

Students in the A.S. Security-Penetration Testing program acquire a wide range of technical skills that prepare them for penetration testing positions.

## Career Outlook

Students completing the Security 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 obtain a degree at the College.

## Program Outcomes

Upon completion of the Security 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