



Security+ Prep Course (Online/Blended Learning)

Course Dates: 15 May 2020 – 31 October 2020

Course Price: \$995

General Information

Description

CompTIA Security+ tests core knowledge required in any cybersecurity role while focusing on the latest trends and techniques in risk management, risk mitigation, threat management and intrusion detection. The Security+ Certification is compliant with ISO 17024 standards and approved by the US DoD to meet directive 8140/8570.01-M requirements for IAM level I and IAT level II.

Expectations and Goals

This course prepares the learner over a course of 5 weeks to pass the CompTIA Security+ Exam. Access for up to 6 months to all the online content allow individuals that need to continue to review the material ample time to prepare for the certification exam. Topics and objectives include:

- **THREATS, ATTACKS & VULNERABILITIES**

Detect various types of compromise and have an understanding of penetration testing and vulnerability scanning concepts



- **TECHNOLOGIES & TOOLS**

Install, configure, and deploy network components while assessing and troubleshooting issues to support organizational security



- **ARCHITECTURE & DESIGN**

Implement secure network architecture concepts and systems design



- **IDENTITY & ACCESS MANAGEMENT**

Install and configure identity and access services, as well as management controls



- **RISK MANAGEMENT**

Implement and summarize risk management best practices and the business impact



- **CRYPTOGRAPHY & PKI**

Install and configure wireless security settings and implement public key infrastructure



Course Materials

Material Included

The following materials are included with the cost of the course and provided directly to the student.

- CompTIA Security+ Student Guide (Print version)
- CompTIA CertMaster Lab Access (6 months access)
- CompTIA Security+ Exam Voucher
- CompTIA CertMaster Practice Exam
- CompTIA Official Security+ Training Slides
- 6 months access to Distance Learning Portal
 - ✓ Custom Instructor Recorded Lecture
 - ✓ CompTIA course videos
 - ✓ Custom quizzes and activities

Link for Enrollment

<https://gacybercenter.pdx.catalog.canvaslms.com/courses/sec2020>

Course Schedule

Week	Topic (Includes lecture/video/student guide reading and associated labs)
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Week 1	Ch. 1- Comparing and Contrasting Attacks Ch. 2- Comparing and Contrasting Security Controls Ch. 3- Assessing Security Posture with Software Tools Ch. 4- Explaining Basic Cryptography Concepts
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Week 2	Ch. 5- Implementing a Public Key Infrastructure Ch. 6- Implementing Identity and Access Management Controls Ch. 7- Managing Access Services and Accounts Ch.8- Implementing a Secure Network Architecture
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Week 3	Ch. 9- Installing and Configuring Security Appliances Ch. 10- Installing and Configuring Wireless and Physical Access Security Ch. 11- Deploying Secure Host, Mobile, and Embedded Systems Ch. 12- Implementing Secure Network Access Protocols
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Week 4	Ch. 13- Implementing Secure Network Applications Ch. 14- Explaining Risk Management and Disaster Recovery Concepts Ch. 15- Summarizing Secure Application Development Concepts Ch. 16- Explaining Organizational Security Concepts
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Week 5

Review, Practice Exams, Certification Exam

Instructor(s)

Nicole Cliff
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Virtual Office Hours

1:00pm-5:00pm, M-F
9:00am-12:00pm, M-F