



# 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
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