



CompTIA Security+ (Exam SY0-501) Certification Training Program

5 DAYS | July 13-17, 2020 | SPRINGFIELD, VA/VIRTUAL

CERTIFICATION COURSE OVERVIEW

The **CompTIA Security+ Certification** validates the baseline skills necessary to perform core security functions. The CompTIA Security+ exam will certify that the successful candidate has the knowledge and skills required to install and configure systems to secure applications, networks, and devices; perform threat analysis and respond with appropriate mitigation techniques; participate in risk mitigation activities; and operate with an awareness of applicable policies, laws, and regulations. The successful candidate will perform these tasks to support the principles of confidentiality, integrity, and availability.

AGENDA	
Day 1	<ul style="list-style-type: none">• Comparing and Contrasting Attacks• Comparing and Contrasting Security Controls• Assessing Security Posture with Software Tools
Day 2	<ul style="list-style-type: none">• Explaining Basic Cryptography Concepts• Implementing a Public Key Infrastructure• Implementing Identity and Access Management Controls
Day 3	<ul style="list-style-type: none">• Managing Access Services and Accounts• Implementing a Secure Network Architecture• Installing and Configuring Security Appliances• Installing and Configuring Wireless and Physical Access Security
Day 4	<ul style="list-style-type: none">• Deploying Secure Host, Mobile, and Embedded Systems• Implementing Secure Network Access Protocols• Implementing Secure Network Applications• Explaining Risk Management and Disaster Recovery Concepts
Day 5	<ul style="list-style-type: none">• Summarizing Secure Application Development Concepts• Explaining Organizational Security Concepts• Comprehensive Review

LABS

Access to labs is provided Day 1 of class and is valid for 6 months from activation. The course addresses the following labs:

- Exploring the Lab Environment
- Determining Malware Types
- Performing Network Scanning with Software Tools
- Analyzing Network Traffic with Packet Sniffing Software Tools
- Concealing Data with Steganography Tools
- Identifying Vulnerabilities with Scanning Software Tools
- Implementing Certificate Services
- Deploying Certificates and Implementing Key Recovery
- Cracking Passwords using Software Tools
- Managing Accounts in a Windows Domain
- Implementing a Secure Network Design
- Installing and Configuring a Firewall
- Installing and Configuring an Intrusion Detection System
- Implementing Secure Network Addressing Services
- Implementing a Virtual Private Network
- Installing and Configuring a Secure Email Service
- Using Forensic Tools
- Identifying a Man-in-the-Browser Attack

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