



CompTIA Security+



Course Overview

CompTIA Security+ is a global certification that validates the baseline skills necessary to perform core security functions and pursue an IT security career.

The Security+ exam verifies you have the knowledge and skills required to:

- Assess the security posture of an enterprise environment and recommend and implement appropriate security solutions.
- Monitor and secure hybrid environments, including cloud, mobile, Internet of Things (IoT), and operational technology.
- Operate with an awareness of applicable regulations and policies, including principles of governance, risk, and compliance.
- Identify, analyze, and respond to security events and incidents.

Prerequisites

CompTIA Network+ and two years of experience working in a security/ systems administrator job role.

Target Audience

- Security Specialist
- Security Administrator
- Systems Administrator Help Desk Analyst
- Security Analyst
- Security Engineer

Course Objectives

The CompTIA Security+ (SY0-701) certification exam will verify the successful candidate has the knowledge and skills required to:

- Assess the security posture of an enterprise environment and recommend and implement appropriate security solutions.
- Monitor and secure hybrid environments, including cloud, mobile, and Internet of Things (IoT).
- Operate with an awareness of applicable regulations and policies, including principles of governance, risk, and compliance.
- Identify, analyze, and respond to security events and incidents.

Duration

5 Days

Certifications

SY0-701

Contact Us

(800) 674-3550

2151 W. Hillsboro Blvd.,
Suite 210
Deerfield Beach, FL 33442

Connect with us



Sign Up Today!





CompTIA Security+



Course Outline

Lesson 1: Summarize

- Topic 1A: Security Concepts
- Topic 1B: Security Controls

Lesson 2: Compare Threat Types

- Topic 2A: Threat Actors
- Topic 2B: Attack Surfaces
- Topic 2C: Social Engineering

Lesson 3: Explain Cryptographic Solutions

- Topic 3A: Cryptographic Algorithms
- Topic 3B: Public Key Infrastructure
- Topic 3C: Cryptographic Solutions

Lesson 4: Implement Identity and Access Management

- Topic 4A: Authentication
- Topic 4B: Authorization
- Topic 4C: Identity Management

Lesson 5: Secure Enterprise Network Architecture

- Topic 5A: Enterprise Network Architecture
- Topic 5B: Network Security Appliances
- Topic 5C: Secure Communications

Lesson 6: Secure Cloud Network Architecture

- Topic 6A: Cloud Infrastructure
- Topic 6B: Embedded Systems and Zero Trust Architecture

Lesson 7: Explain Resiliency and Site Security Concepts

- Topic 7A: Asset Management
- Topic 7B: Redundancy Strategies
- Topic 7C: Physical Security

Lesson 8: Explain Vulnerability Management

- Topic 8A: Device and OS Vulnerabilities
- Topic 8B: Application and Cloud Vulnerabilities
- Topic 8C: Vulnerability Identification Methods
- Topic 8D: Vulnerability Analysis and Remediation

Lesson 9: Evaluate Network Security Capabilities

- Topic 9A: Network Security Baselines
- Topic 9B: Network Security Capability Enhancement

Lesson 10: Assess Endpoint Security Capabilities

- Topic 10A: Implement Endpoint Security
- Topic 10B: Mobile Device Hardening

Lesson 11: Enhance Application Security Capabilities

- Topic 11A: Application Protocol Security Baselines
- Topic 11B: Cloud and Web Application Security Concepts

Lesson 12: Explain Incident Response and Monitoring Concepts

- Topic 12A: Incident Response
- Topic 12B: Digital Forensics
- Topic 12C: Data Sources
- Topic 12D: Alerting and Monitoring Tools

Lesson 13: Analyze Indicators of Malicious Activity

- Topic 13A: Malware Attack Indicators
- Topic 13B: Physical and Network Attack Indicators
- Topic 13C: Application Attack Indicators

Lesson 14: Summarize Security Governance Concepts

- Topic 14A: Policies, Standards, and Procedures
- Topic 14B: Change Management
- Topic 14C: Automation and Orchestration

Lesson 15: Explain Risk Management Processes

- Topic 15A: Risk Management Processes and Concepts
- Topic 15B: Vendor Management Concepts
- Topic 15C: Audits and Assessments

Lesson 16: Summarize Data Protection and Compliance Concepts

- Topic 16A: Data Classification and Compliance
- Topic 16B: Personnel Policies

