BOOST
THE LEADING TRAINING PROVIDER

Information Technology

CompTIA Security+

Course Introduction

This CompTIA Server+ training course is designed to provide participants with the fundamental knowledge necessary to plan, implement, and maintain information security in a vendor-neutral format. This includes risk management, host and network security, authentication and access control systems, cryptography, and organizational security. This course maps to the CompTIA Security+ certification exam (SY0-501). This course delivers the core knowledge required to pass the exam and the skills necessary to advance to an intermediate-level security job.

Target Audience

This training course will benefit IT professionals and personnel interested in pursuing a career in cybersecurity, Network Administrators, and Cybersecurity Associates.

Learning Objectives

- Proactively implement sound security protocols to mitigate security risks
- Quickly respond to security issues
- Retroactively identify where security breaches may have occurred
- Design a network, on-site or in the cloud, with security in mind

Course Outline

- **Day 01**

  Chapter 1: Security Fundamentals

  Module A: Security concepts

  - Module B: Risk management
  - Module C: Vulnerability assessment

  Chapter 2: Understanding attacks

  - Module A: Understanding attackers
  - Module B: Social engineering
  - Module C: Malware
  - Module D: Network attacks
  - Module E: Application attacks

  Chapter 3: Cryptography

  - Module A: Cryptography concepts
  - Module B: Public key infrastructure

  Chapter 4: Network fundamentals

  - Module A: Network components
  - Module B: Network addressing
  - Module C: Network ports and applications

- **Day 02**

  Chapter 5: Securing networks

  - Module A: Network security components
  - Module B: Transport encryption
  - Module C: Hardening networks
  - Module D: Monitoring and detection

  Chapter 6: Securing hosts and data

  - Module A: Securing hosts
  - Module B: Securing data
  - Module C: Mobile device security

Chapter 7: Securing network services

- ◦ Module A: Securing applications
- ◦ Module B: Virtual and cloud systems

Chapter 8: Authentication

- ◦ Module A: Authentication factors
- ◦ Module B: Authentication protocols

- **Day 03**

Chapter 9: Access control

- ◦ Module A: Access control principles
- ◦ Module B: Account management

Chapter 10: Organizational security

- ◦ Module A: Security policies
- ◦ Module B: User training
- ◦ Module C: Physical security and safety

Chapter 11: Disaster planning and recovery

- ◦ Module A: Business continuity
- ◦ Module B: Fault tolerance and recovery
- ◦ Module C: Incident response
- ◦ LABS

Chapter 1: Understanding Attacks

- ◦ Examining Phishing Attacks
- ◦ Examining Malware
- ◦ Probing a Site
- ◦ Simulating a DOS Attack
- ◦ Cracking Passwords
- ◦ Simulating an Eavesdropping Attack
- ◦ Exploring Application Vulnerabilities
- ◦ Examining SQL Injection Attacks
- ◦ Examining Client-side Attacks

- **Day 04**

Chapter 2: Cryptography

- Symmetric Encryption
- Asymmetric Encryption
- Creating File Hashes
- Installing a Certificate Authority

Chapter 3: Network Fundamentals

- Using TCP/IP Tools

Chapter 4: Securing the Network

- Configuring a Firewall
- Examining Website Certificates
- Securing a WAP
- Viewing Event Logs
- Scanning the Network

Chapter 5: Securing Hosts and Data

- Enabling BitLocker

- **Day 05**

Chapter 6: Securing Network Services

- Finding Vulnerable Code

Chapter 7: Authentication

- Installing a RADIUS Server
- Examining Active Directory

Chapter 8: Access Control

- Managing NTFS Permissions
- Managing Active Directory Objects
- Using Group Policy Objects
- Creating a Security Template

Chapter 9: Disaster planning and recovery

- Using Windows Server Backup

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 19, 2025	May 23, 2025	5 days	4250.00 $	UAE - Dubai
July 28, 2025	Aug. 1, 2025	5 days	4950.00 $	South Africa - Cape Town
Dec. 22, 2025	Dec. 26, 2025	5 days	4250.00 $	UAE - Abu Dhabi
Oct. 20, 2025	Oct. 24, 2025	5 days	4250.00 $	UAE - Dubai

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