



Consulting and Training | Reach New Heights

Course Name

CompTIA Security+

Sector Name

Information Technology

Document Type

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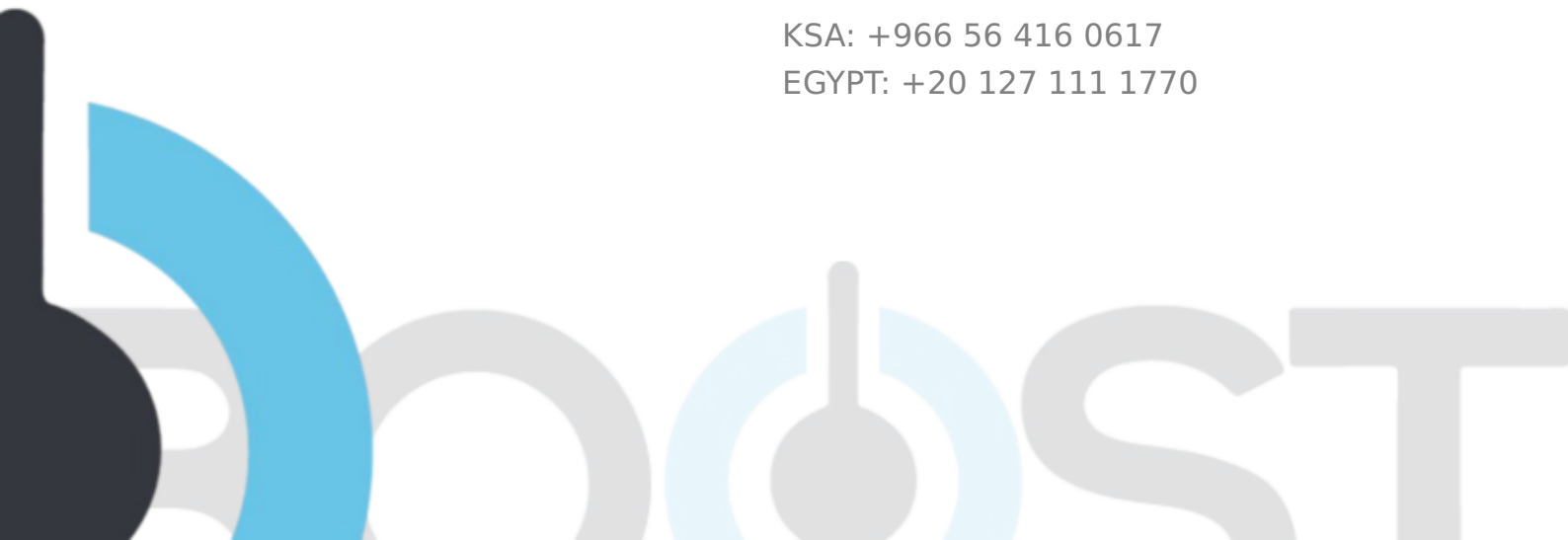
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Course Introduction

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.

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Target Audience

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

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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

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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

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Course Outline

✓ 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

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Course Outline

✓ 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

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Course Outline

✓ 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

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✓ 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

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Aug. 3, 2026	Aug. 7, 2026	5 days	4950.00 \$	South Africa , Cape Town
Dec. 28, 2026	Jan. 1, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Oct. 26, 2026	Oct. 30, 2026	5 days	4250.00 \$	UAE , Dubai
March 15, 2027	March 19, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
April 19, 2027	April 23, 2027	5 days	4250.00 \$	UAE , Dubai

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