

COMPTIA SECURITY+ CERTIFICATION PREP COURSE

Course Code: 3404

Prepare for the CompTIA Security+ SY0-701 certification while building your cybersecurity knowledge, skills, and abilities

Our Security+ Certification Prep Course provides the basic knowledge needed 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 (SY0-701). Objective coverage is marked throughout the course. Exam voucher included.

What is Security+ Certification?

The Security+ certification is considered to be the minimum level of certification for all IT security positions beyond entry-level. This course delivers the core knowledge required to pass the exam and the skills necessary to advance to an intermediate-level security job.

This course includes an exam voucher.

What You'll Learn

- Knowledge and skills to understand 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 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, and prepare candidates to take the CompTIA Security+ certification exam.

Who Needs to Attend

- Network Administrators
- Cybersecurity Associates
- IT personnel interested in pursuing a career in cybersecurity

Prerequisites

This course assumes basic knowledge of using and maintaining individual workstations.

Attendees should be CompTIA A+ certified (or have equivalent experience) and CompTIA Network+ certified (or have equivalent experience) with 2-3 years networking experience.

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CLASSROOM LIVE

\$3,893 CAD

5 Day

Classroom Live Outline

- Lesson 1: Summarize Fundamental Security Concepts
- Lesson 2: Compare Threat Types
- Lesson 3: Explain Cryptographic Solutions
- Lesson 4: Implement Identity and Access Management
- Lesson 5: Secure Enterprise Network Architecture
- Lesson 6: Secure Cloud Network Architecture
- Lesson 7: Explain Resiliency and Site Security Concepts
- Lesson 8: Explain Vulnerability Management
- Lesson 9: Evaluate Network Security Capabilities
- Lesson 10: Assess Endpoint Security Capabilities
- Lesson 11: Enhance Application Security Capabilities
- Lesson 12: Explain Incident Response and Monitoring Concepts
- Lesson 13: Analyze Indicators of Malicious Activity
- Lesson 14: Summarize Security Governance Concepts
- Lesson 15: Explain Risk Management Processes
- Lesson 16: Summarize Data Protection and Compliance Concepts

Classroom Live Labs

- Assisted Lab: Exploring the Lab Environment
- Assisted Lab: Perform System Configuration Gap Analysis
- Assisted Lab: Configuring Examples of Security Control Types
- Assisted Lab: Finding Open Service Ports
- Assisted Lab: Using SET to Perform Social Engineering
- Applied Lab: Using Storage Encryption
- Assisted Lab: Using Hashing and Salting
- Assisted Lab: Managing Password Security
- Assisted Lab: Managing Permissions
- Assisted Lab: Setting up Remote Access

- Assisted Lab: Using TLS Tunneling
- Assisted Lab: Using Containers
- Assisted Lab: Using Virtualization
- Assisted Lab: Implement Backups
- Assisted Lab: Performing Drive Sanitization
- Assisted Lab: Exploiting and Detecting SQLi
- Assisted Lab: Working with Threat Feeds
- Assisted Lab: Performing Vulnerability Scans
- Assisted Lab: Understanding Security Baselines
- Applied Lab: Implementing a Firewall
- Assisted Lab: Using Group Policy
- Applied Lab: Hardening
- Assisted Lab: Performing DNS Filtering
- Assisted Lab: Configuring System Monitoring
- Applied Lab: Incident Response: Detection
- Applied Lab: Performing Digital Forensics
- Assisted Lab: Performing Root Cause Analysis
- Assisted Lab: Detecting and Responding to Malware
- Assisted Lab: Understanding On-Path Attacks
- Adaptive Lab: Using a Playbook
- Assisted Lab: Implementing Allow Lists and Deny Lists
- Assisted Lab: Performing Reconnaissance
- Assisted Lab: Performing Penetration Testing
- Assisted Lab: Training and Awareness through Simulation
- Capstone Lab: Discovering Anomalous Behavior
- Assisted Lab: Use Cases of Automation and Scripting
- Applied Lab: Using Network Sniffers

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VIRTUAL CLASSROOM LIVE

\$3,893 CAD

5 Day

Virtual Classroom Live Outline

- Lesson 1: Summarize Fundamental Security Concepts
- Lesson 2: Compare Threat Types
- Lesson 3: Explain Cryptographic Solutions
- Lesson 4: Implement Identity and Access Management
- Lesson 5: Secure Enterprise Network Architecture
- Lesson 6: Secure Cloud Network Architecture
- Lesson 7: Explain Resiliency and Site Security Concepts
- Lesson 8: Explain Vulnerability Management
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- Lesson 13: Analyze Indicators of Malicious Activity
- Lesson 14: Summarize Security Governance Concepts
- Lesson 15: Explain Risk Management Processes
- Lesson 16: Summarize Data Protection and Compliance Concepts

Virtual Classroom Live Labs

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May 18 - 22, 2026 | 8:30 AM - 4:30 PM EDT

Jun 15 - 19, 2026 | 8:30 AM - 4:30 PM EDT

Jun 22 - 26, 2026 | 11:30 AM - 7:30 PM EDT

Jul 6 - 10, 2026 | 8:30 AM - 4:30 PM EDT

Jul 20 - 24, 2026 | 11:30 AM - 7:30 PM EDT

Jul 27 - 31, 2026 | 8:30 AM - 4:30 PM EDT

Aug 3 - 7, 2026 | 8:30 AM - 4:30 PM EDT

Aug 31 - Sep 4, 2026 | 11:30 AM - 7:30 PM EDT

Sep 14 - 18, 2026 | 8:30 AM - 4:30 PM EDT

Sep 28 - Oct 2, 2026 | 11:30 AM - 7:30 PM EDT

Oct 5 - 9, 2026 | 8:30 AM - 4:30 PM EDT

Oct 26 - 30, 2026 | 11:30 AM - 7:30 PM EDT

Nov 9 - 13, 2026 | 11:30 AM - 7:30 PM EST

Nov 30 - Dec 4, 2026 | 8:30 AM - 4:30 PM EST

Dec 14 - 18, 2026 | 8:30 AM - 4:30 PM EST



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PRIVATE GROUP TRAINING

5 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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