



course : Computing Technology Industry Association (CompTIA) Security+

City : Kuala Lumpur
Start Date : 2025-11-24
Duration : 1 Week

Hotel : Kuala Lumpur
End Date : 2025-11-28
Price : 3950 \$



Course Overview

Embark on a transformative journey into the world of cybersecurity with the CompTIA Security+ Training Course. As digital technologies continue to evolve, so do the threats and risks that organizations face daily. This program is designed to provide participants with the essential knowledge and hands-on skills required to protect networks, systems, and critical information assets against cyberattacks. Through a balance of theory and practical lab-based learning, participants will gain the confidence to identify vulnerabilities, implement security solutions, and respond effectively to incidents. This training course also serves as a solid foundation for achieving the globally recognized CompTIA Security+ certification, opening pathways to career advancement in the cybersecurity field.

Course Objectives

By the end of this training course, participants will be able to:

- Implement effective network security controls
- Identify and analyze modern cybersecurity threats
- Deploy and manage authentication and access control solutions
- Design and implement organizational security policies and procedures
- Respond to cybersecurity incidents with professional incident-handling skills

Target Audience

This program is ideal for IT professionals looking to establish or advance their careers in cybersecurity, as well as those responsible for managing or supporting security operations within their organizations. It is particularly relevant for:

- IT Support Specialists and Technicians
- Network Administrators and Engineers
- Systems Administrators and Analysts
- Security Specialists and Consultants
- IT Project Managers and Team Leaders
- Risk, Compliance, and IT Audit Professionals
- Database Administrators and Software Developers with security responsibilities



Methodology

This course combines interactive presentations, case studies, group discussions, and hands-on lab exercises to ensure participants gain both conceptual understanding and practical skills. Real-world examples and scenarios will be used to reinforce learning, while breakout exercises will encourage collaboration and knowledge sharing among participants.

Course Outline

Day 1 - Security Concepts and Architecture

- Cybersecurity fundamentals and the evolving threat landscape
- Risk management frameworks and security controls
- Defense-in-depth and secure architecture principles
- Secure network design, virtualization, and cloud security
- IoT and embedded system security challenges
- Physical and environmental security measures

Day 2 - Threats, Attacks, and Vulnerabilities

- Social engineering tactics and attack techniques
- Malware types, delivery methods, and advanced persistent threats
- Vulnerability assessment and penetration testing basics
- Application security risks and secure coding practices
- Threat intelligence and emerging technology risks

Day 3 - Identity and Access Management

- Authentication methods, factors, and technologies
- Identity and account management controls
- Access control models (MAC, DAC, RBAC)
- Single sign-on, federation, and trust relationships
- Public Key Infrastructure (PKI), certificates, and cryptography fundamentals

Day 4 - Network and Data Security Implementation

- Secure network protocols and wireless security
- Network security devices and secure configuration
- Data security, privacy practices, and cryptographic solutions
- Secure communication and transport encryption
- Security implementation for both public and private networks

Day 5 - Security Operations and Incident Response

- Security monitoring and log analysis



Incident response procedures and handling techniques
Business continuity planning and disaster recovery
Digital forensics basics and evidence handling
Developing security awareness and training programs
Security policies, compliance, and reporting practices

Certificates

On successful completion of this training course, HighPoint Certificate will be awarded to the delegates.
Continuing Professional Education credits (CPE): In accordance with the standards of the National Registry of CPE Sponsors, one CPE credit is granted per 50 minutes of attendance.