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## Course Content

### Course Description:

Security+ Certification is the primary course you will need to take if your job responsibilities include securing network services, network devices and network traffic. It is also the main course you will take to prepare for the CompTIA Security+ examination. Topics covered include: identification of security threats, hardening internal systems and services, hardening internetwork devices and services, securing network communications, managing a PKI, managing certificates, enforcing an organizational security policy & monitoring the security infrastructure.

### Topics:

#### 1. Security Fundamentals

- Module A: Security concepts
- Module B: Risk management
- Module C: Vulnerability assessment

#### 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

#### 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

#### Chapter 9: Access control

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



# CompTIA: Security+ Certification

Course ID#: 1200-350-ZZ-W

35 Hrs

## **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