

CompTIA Security+ Certification



Course Outline:

Lesson 1: Identifying Security Fundamentals

- Identify Information Security Concepts
- Identify Basic Security Controls
- Identify Basic Authentication and Authorization Concepts
- Identify Basic Cryptography Concepts

Lesson 2: Analyzing Risk

- Analyze Organizational Risk
- Analyze the Business Impact of Risk

Lesson 3: Identifying Security Threats

- Identify Types of Attackers
- Identify Social Engineering Attacks
- Identify Malware
- Identify Software-Based Threats
- Identify Network-Based Threats
- Identify Wireless Threats
- Identify Physical Threats

Lesson 4: Conducting Security Assessments

- Identify Vulnerabilities
- Assess Vulnerabilities
- Implement Penetration Testing

Lesson 5: Implementing Host and Software Security

- Implement Host Security
- Implement Cloud and Virtualization Security
- Implement Mobile Device Security
- Incorporate Security in the Software Development Lifecycle

Lesson 6: Implementing Network Security

- Configure Network Security Technologies
- Secure Network Design Elements
- Implement Secure Networking Protocols and Services
- Secure Wireless Traffic

Lesson 7: Managing Identity and Access

- Implement Identity and Access Management
- Configure Directory Services
- Configure Access Services
- **Topic D:** Manage Accounts

Lesson 8: Implementing Cryptography

- Identify Advanced Cryptography Concepts
- Select Cryptographic Algorithms
- Configure a Public Key Infrastructure
- Enroll Certificates
- Back Up and Restore Certificates and Private Keys
- Revoke Certificates

Lesson 9: Implementing Operational Security

- Evaluate Security Frameworks and Guidelines
- Incorporate Documentation in Operational Security
- Implement Security Strategies
- Manage Data Security Processes
- Implement Physical Controls

Lesson 10: Addressing Security Incidents

- Troubleshoot Common Security Issues
- Respond to Security Incidents
- Investigate Security Incidents

Lesson 11: Ensuring Business Continuity

- Select Business Continuity and Disaster Recovery Processes
- Develop a Business Continuity Plan