

CompTIA Security+

- 1. Identifying Security Fundamentals**
 - a. Identify Information Security Concepts
 - b. Identify Basic Security Controls
 - c. Identify Basic Authentication and Authorization Concepts
 - d. Identify Basic Cryptography Concepts
- 2. Analyzing Risk**
 - . Analyze Organizational Risk
 - a. Analyze the Business Impact of Risk
- 3. Identifying Security Threats**
 - . Identify Types of Attackers
 - a. Identify Social Engineering Attacks
 - b. Identify Malware
 - c. Identify Software-Based Threats
 - d. Identify Network-Based Threats
 - e. Identify Wireless Threats
 - f. Identify Physical Threats
- 4. Conducting Security Assessments**
 - . Identify Vulnerabilities
 - a. Assess Vulnerabilities
 - b. Implement Penetration Testing
- 5. Implementing Host and Software Security**
 - . Implement Host Security
 - a. Implement Cloud and Virtualization Security
 - b. Implement Mobile Device Security
 - c. Incorporate Security in the Software Development Lifecycle
- 6. Implementing Network Security**
 - . Configure Network Security Technologies
 - a. Secure Network Design Elements
 - b. Implement Secure Networking Protocols and Services
 - c. Secure Wireless Traffic
- 7. Managing Identity and Access**
 - . Implement Identity and Access Management
 - a. Configure Directory Services
 - b. Configure Access Services
 - c. Manage Accounts

8. Implementing Cryptography

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

9. Implementing Operational Security

- . Evaluate Security Frameworks and Guidelines
 - a. Incorporate Documentation in Operational Security
 - b. Implement Security Strategies
 - c. Manage Data Security Processes
 - d. Implement Physical Controls

10. Addressing Security Incidents

- . Troubleshoot Common Security Issues
 - a. Respond to Security Incidents
 - b. Investigate Security Incidents

11. Ensuring Business Continuity

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