Network Masters
KNOWLEDGE AND TECHNOLOGY TOGETHER

# CompTIA Security+

## Course Outline

### 1 - Security Fundamentals

- Information Security Cycle
- Information Security Controls
- Authentication Methods
- Cryptography Fundamentals
- Security Policy Fundamentals

### 2 - Identifying Security Threats and Vulnerabilities

- Social Engineering
- Malware
- Physical Threats and Vulnerabilities
- Software-Based Threats
- Network-Based Threats
- Wireless Threats and Vulnerabilities
- Physical Threats and Vulnerabilities

### 3 - Managing Data, Application, and Host Security

- Manage Data Security
- Manage Application Security
- Manage Device and Host Security
- Manage Mobile Security

### 4 - Implementing Network Security

- Configure Security Parameters on Network Devices and Technologies
- Network Design Elements and Components
- Implement Networking Protocols and Services
- Apply Secure Network Administration Principles
- Secure Wireless Traffic

### 5 - Implementing Access Control, Authentication, and Account Management

- Access Control and Authentication Services
- Implement Account Management Security Controls

**6 - Managing Certificates**

- Install a Certificate Authority (CA) Hierarchy
- Enroll Certificates
- Secure Network Traffic by Using Certificates
- Renew Certificates
- Revoke Certificates
- Back Up and Restore Certificates and Private Keys
- Restore Certificates and Private Keys

**7 - Implementing Compliance and Operational Security**

- Physical Security
- Legal Compliance
- Security Awareness and Training
- Integrate Systems and Data with Third Parties

**8 - Risk Management**

- Risk Analysis
- Implement Vulnerability Assessment Tools and Techniques
- Scan for Vulnerabilities
- Mitigation and Deterrent Techniques

**9 - Troubleshooting and Managing Security Incidents**

- Respond to Security Incidents
- Recover from a Security Incident

**10 - Business Continuity and Disaster Recovery Planning**

- Business Continuity
- Plan for Disaster Recovery
- Execute Disaster Recovery Plans and Procedures