# IT SECURITY C&T

## IT Security Consulting and Training
### أمن التقنية للإستشارات والتدريب

# CompTIA Security +

Course Duration: 5 Days

Course Overview

CompTIA Security+ is the first security certification a candidate should earn. It establishes the core knowledge required of any cybersecurity role and provides a springboard to intermediate-level cybersecurity jobs. Security+ incorporates best practices in hands-on troubleshooting, ensuring candidates have practical security problem-solving skills required to:

1. **Assess** the security posture of an enterprise environment and recommend and implement appropriate security solutions.
2. **Monitor and secure** hybrid environments, including cloud, mobile, and IoT.
3. **Operate** with an awareness of applicable laws and policies, including principles of governance, risk, and compliance.
4. **Identify, analyze, and respond** to security events and incidents.

Led by a CompTIA authorized instructor, the training and course material for this official Security+

training program will provide students with a comprehensive review of network security, compliance and

operation security, threats and vulnerabilities as well as application, data and host security.

## Targeted Audience

- Security Administrator
- Helpdesk Manager / Analyst
- Security Engineer / Analyst
- IT Auditors
- Systems Administrator
- Network / Cloud Engineer
- DevOps / Software Developer
- IT Project Manager

## Learning Skills

- Attacks, Threats and Vulnerabilities
- Architecture and Design
- Implementation
- Operations and Incident Response
- Governance, Risk and Compliance

## Course Outlines

| Lesson # | Module Topic |
|----------|--------------|
| Lesson 1 | Comparing Security Roles and Security Controls. |
| Lesson 2 | Compare Threat Types |
| Lesson 3 | Explain Cryptographic Solutions |
| Lesson 4 | Implement Identity and Access Management |
| Lesson 5 | Secure Enterprise Network Architecture |
| Lesson 6 | Secure Cloud Network Architecture |
| Lesson 7 | Explain Resiliency and Site Security Concepts |
| Lesson 8 | Explain Vulnerability Management |
| Lesson 9 | Evaluate Network Security Capabilities |

| Lesson 10 | Assess Endpoint Security Capabilities |
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| Lesson 11 | Enhance Application Security Capabilities |
| Lesson 12 | Explain Incident Response and Monitoring Concepts |
| Lesson 13 | Analyze Indicators of Malicious Activity |
| Lesson 14 | Summarize Security Governance Concepts |
| Lesson 15 | Explain Risk Management Processes |
| Lesson 16 | Summarize Data Protection and Compliance Concepts |
| Appendix A | Mapping Course Content to CompTIA Security+ |