

**Module Title : CompTIA Security+ (Exam Code: SY0-601)**

**Duration : 5 days**

## What is it?

CompTIA Security+ is a global certification that validates the baseline skills you need to perform core security functions and pursue an IT security career

## What You Will Learn

The Official CompTIA Security+ Student Guide (SY0-601) has been developed by CompTIA for the CompTIA certification candidate. Rigorously evaluated to validate coverage of the CompTIA Security+ (SY0-601) exam objectives, The Official CompTIA Security+ Student Guide teaches the knowledge and skills required to assess the security posture of an enterprise environment and recommend and implement appropriate security solutions; monitor and secure hybrid environments, including cloud, mobile, and IoT; operate with an awareness of applicable laws and policies, including principles of governance, risk, and compliance; identify, analyze, and respond to security events and incidents.

## Course Outline

- Lesson 1: Comparing Security Roles and Security Controls
- Lesson 2: Explaining Threat Actors and Threat Intelligence
- Lesson 3: Performing Security Assessments
- Lesson 4: Identifying Social Engineering and Malware
- Lesson 5: Summarizing Basic Cryptographic Concepts
- Lesson 6: Implementing Public Key Infrastructure
- Lesson 7: Implementing Authentication Controls
- Lesson 8: Implementing Identity and Account Management Controls
- Lesson 9: Implementing Secure Network Designs
- Lesson 10: Implementing Network Security Appliances
- Lesson 11: Implementing Secure Network Protocols
- Lesson 12: Implementing Host Security Solutions
- Lesson 13: Implementing Secure Mobile Solutions
- Lesson 14: Summarizing Secure Application Concepts
- Lesson 15: Implementing Secure Cloud Solutions
- Lesson 16: Explaining Data Privacy and Protection Concepts
- Lesson 17: Performing Incident Response



Lesson 18: Explaining Digital Forensics

Lesson 19: Summarizing Risk Management Concepts

Lesson 20: Implementing Cybersecurity Resilience

Lesson 21: Explaining Physical Security

Appendix A: Mapping Course Content to CompTIA Security+ SY0-601 Exam Objectives

Appendix B: Course Acronyms