

# **CompTIA Security+ (Exam SY0-601)**

**Modality: On Demand**

**Duration: 30 Hours**

## **About the course:**

Our Security+ Certification Prep Course provides the basic knowledge needed to plan, implement, and maintain information security in a vendor-neutral format. This includes risk management, host and network security, authentication and access control systems, cryptography, and organizational security. This course maps to the CompTIA Security+ certification exam (SY0-601). Our Classroom and Classroom Live courses utilize official CompTIA courseware and labs. Objective coverage is marked throughout the course.

A CompTIA Certified Information Security Analyst can earn up to **\$95,829/-** per annum, on average.

## **Course Objectives:**

With the help of this course, you will be able to deploy information security across varying contexts. Once the course is complete, it will allow you to:

- Proactively implement sound security protocols to mitigate security risks
- Quickly respond to security issues
- Retroactively identify where security breaches may have occurred
- Design a network, on-site or in the cloud, with security in mind

## **Audience:**

This course is intended to be undertaken by those IT Professionals, having administrative and networking skills in Windows®-based Transmission Control Protocol/Internet Protocol (TCP/IP) networks. Additionally, those professionals who are familiar with operating systems like Unix, macOS®, Linux, and wish to further progress in their IT career by obtaining in-depth knowledge of security topics. It can also be undertaken by those opting to take the CompTIA Security+ certification examination or wish to use this as a means to attempt advanced level certifications related to security.

## **Prerequisites:**

In order to be successful in this course, all students should have basic knowledge of Windows and know how to use it, along with an understanding of networking and computer concepts.

## **Suggested Prerequisite course:**

It is recommended to have cleared the following course prior to opting for this one.

- CompTIA A+ Certification: A Comprehensive Approach (Exams 220-1001 and 220-1002) (Comptia-A)
- CompTIA Network+ (Exam N10-007) (ComptiaNet)

## Course Outline:

This Course Includes:

- Course Introduction
- 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
- Course Summary