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