



Online CompTIA Security+ Certification Course

80 Hours / 6 Months

Course Description

Overview

The Security+ training course will assist you in preparing for the CompTIA Security+ certification SY0-601 exam through comprehensive material that covers the key objectives and fundamentals to perform core security functions while pursuing an information technology-based career. Successful completion of this course will allow you to assess an organization's security strength while recommending and implementing appropriate security solutions based on those assessments. Learners will be able to monitor and secure various security environments like cloud, mobile, and IoT (Internet of Things) in addition to obtaining an awareness of applicable laws, policies, and compliance standards. Also, you will be able to identify, analyze, and properly respond to security incidents.

Cybersecurity skills are applicable in a variety of IT (Information Technology) positions and have become imperative in security-related roles. With an estimated 31 percent employment increase projected over the next ten years according to the U.S. Bureau of Labor Statistics, demand for security professionals is high. Learning comprehensive workplace security skills allows you to become a knowledgeable go-to source for reducing liabilities, risk, and other expenses for an organization.

Hardware Requirements

- This course can be taken on either a PC or Mac.
- Mac users are encouraged to have access to a Windows environment on their device.

Software Requirements

- PC: Windows 8 or later.
- Mac: OS X Snow Leopard 10.6 or later.
- Browser: The latest version of Google Chrome or Mozilla Firefox are preferred. Microsoft Edge and Safari are also compatible.
- Adobe Acrobat Reader. [Click here](#) to download the Acrobat Reader.
- Software must be installed and fully operational before the course begins.
- Email capabilities and access to a personal email.

Prerequisites

There are no mandatory prerequisites prior to taking CompTIA Security+ Certification Course. However, it is recommended to have your CompTIA Network+ certification and two years of technical networking experience, with an emphasis on security.

Course Outline

| MODULE | TOPICS COVERED |
|--------------------------------------|--|
| 1: Security Attacks and Cryptography | <ul style="list-style-type: none">• Introduction to Security• Threat Management |
| 2: Security and Protection | <ul style="list-style-type: none">• Threats and Attacks• Endpoint Application Development• Mobile Device Security |
| 3: Cryptography | <ul style="list-style-type: none">• The Basics• Keys and Protocols |
| 4: Security on Networks | <ul style="list-style-type: none">• Networking Threats• Network Applications• Cloud and Virtualization• Wireless Networks |
| 5: Enterprise Security | <ul style="list-style-type: none">• Authentication• Incidents• Resilience• Risk Management• Explain disaster recovery and continuity• Risk Mitigation |
| 6: Final Exam and Completion Steps | <ul style="list-style-type: none">• Final Exam• Completion Confirmation |