



CompTIA Security+ Course

35 Contact Hours

Course Overview:

Security+ is an elective or prerequisite to advanced security certifications. It is also the main course you will take to prepare for the CompTIA Security+ examination (exam number SY0-201). In this course, you'll build on your knowledge and professional experience with computer hardware, operating systems, and networks as you acquire the specific skills required to implement basic security services on any type of computer network.

Target Audience:

An IT professional who has networking and administrative skills in Windows-based TCP/IP networks and familiarity with other operating systems, who wants to: further a career in IT by acquiring a foundational knowledge of security topics; prepare for the CompTIA Security+ Certification examination; or use Security+ as the foundation for advanced security certifications or career roles .

Prerequisites:

CompTIA A+ and Network+ certifications, or equivalent knowledge, and 6-9 months experience in networking, including experience configuring and managing TCP/IP. Although not required, students might find it helpful to obtain foundational information from introductory operating system administration courses.

Course Outline:

Introduction

Chapter 1 - General security Concepts

Chapter 2- Identifying Potential Risks

Chapter 3 -Infrastructure and Connectivity

Chapter 4- Monitoring Activity and Intrusion Detection

Chapter 5 -Implementing and Maintaining a Secure Network



Chapter 6 -Securing the Network and Environment

Chapter 7 - Cryptography Basics, Methods, and Standards

Chapter 8 - Security Policies and Procedures

Chapter 9 - Security Administration

Appendix A - Security Administrator's Troubleshooting Guide

Appendix B - Workbook Exercise

Appendix C - Security+ Acronyms List

Glossary

