

# CompTIA Security+ Certification Training

120 hours

## Course Overview/Description

Prepare for Security+ certification with the help of the CompTIA Security+ Online Training Program. The CompTIA Security+ certification designates knowledgeable professionals in the field of security, one of the fastest-growing fields in IT. CompTIA Security+ is an international, vendor-neutral certification that proves competency in system security, network infrastructure, access control, and organizational security.

Security threats are increasing in number and severity, and the gap between the need for security professionals and qualified IT personnel is the largest of any IT specialty, according to a 2008 CompTIA study. Even in a troubled economy, most businesses plan to maintain or increase their investment in security.

This program is designed to prepare you for the CompTIA Security+ (2008 edition) certification exam (SY0-201). CompTIA is the Computing Technology Industry Association, and the Security+ certification designation indicates knowledge in system security, network infrastructure, access control, and organizational security.

Upon completion of this program, you'll have the knowledge and skills necessary to understand the field of network security and how it relates to other areas of information technology. You'll know how to implement and maintain network security, as well as how to handle authentication, remote access, wireless networks, and security groups.

## Course Objectives

Upon successful completion of this program, you'll:

- . Demonstrate knowledge of security threats
- . Understand communication and infrastructure security
- . Gain knowledge about cryptography, access control and authentication
- . Prevent against external attack

## Course Outline

- I. Threat Mitigation**
- II. Cryptography**
- III. Authentication Methods**
- IV. Messaging, User, and Role Security**



- V. Public Key Infrastructure and Access Security**
- VI. Port, Protocols, and Network Security**
- VII. Wi-Fi and Remote Access**
- VIII. Risk Analysis, Vulnerability Testing, IDS, and Forensics**
- IX. Auditing, Security Policies, and Disaster Recovery**

### **Prerequisites/Audience**

To enroll in this program, you should have thorough knowledge of TCP/IP and the Network+ certification or equivalent knowledge and experience.

### **PC Requirements/Materials Included**

This program is compatible with Windows Vista operating system.

To enroll, you'll need a PC with a current Microsoft operating system and Internet Explorer. We recommend that you have a high-speed Internet connection as well.

You'll receive a student guide for ongoing reference.

### **Instructor Bio**

**Chris Lobban** has industry experience with an extensive assortment of hardware and software solutions. Before starting at Academy of Learning, he worked both in a help desk environment and as a quality assurance analyst, where he had to deal with a wide array of different hardware requirements, operating systems, and computer programs every day. This broad experience base, as well as his formal training as a computer networking and technical support specialist from Seneca College, gives him the training and experience needed to provide support to his students. Chris has also certified his experience by earning the CompTIA A+ IT Technician, Network+, Server+, and Security+ credentials, as well as the Microsoft MCSE (Windows Server 2003), MCSA (Windows Server 2003), and MCDST (Windows XP) credentials.