



## IT Cyber Security Professional - CompTIA Sec+

### The CompTIA Sec+ Profession

The CompTIA Sec+ program is designed to prepare students to function as computer professionals in multiple technical, business, and healthcare settings. Sec+ technicians serve many technical support and IT operation roles with job titles such as Systems Administrator, Network Administrator, Security Administrator, Junior IT/Auditor, Penetration Tester, Security Specialist, Security Engineer, and Security Consultant.

### The CompTIA Sec+ Program

The purpose of this program is to prepare students to support the IT infrastructure through installing and configuring systems to secure applications, networks, and devices as well as perform threat analysis and respond with appropriate mitigation techniques. This course covers the following key areas and topics:

- Threats, Attacks, and Vulnerabilities: Detecting various types of network compromises and develop a plan to secure the network
- Testing: Appropriately use penetration testing and vulnerability scanning tools and concepts
- Identity and Access Management: Installing and configuring identity and access services, including management controls
- Technologies and Tools: Installing, configuring, and deploying network components while assessing and troubleshooting issues to support organizational security
- Risk Management: Implementing and summarizing risk management best practices and the business impact
- Architecture and Design: Implementing secure network architecture concepts and system design
- Cryptography and PKI: Installing and configuring wireless security settings and implementing public key infrastructure

### Certification

- Students who complete this comprehensive course would be prepared to sit for CompTIA's Sec+ Certification Exam SY0-501.

### Detailed Course Topics Covered

- Identifying strategies developed by cyber adversaries to attack networks and hosts and the countermeasures deployed to defend against them
- Applying the principles of organizational security and the elements of effective security policies
- Applying the technologies and uses of cryptographic standards and products
- Installing and configuring network- and host-based security technologies
- Enforcing wireless and remote access security
- Applying the standards and products used to enforce security on web and communications technologies
- Implementing strategies for ensuring business continuity, fault tolerance, and disaster recovery
- Identifying application and coding vulnerabilities and the development and deployment methods designed to mitigate them

**ENROLL TODAY!**

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### IT Cyber Security Professional - CompTIA Sec+

**Delivery:** Online self-paced, mentor support

**Hours:** 375

**Externship:** Optional Placement Available

**Tuition:** \$3,999

**CompTIA Certification Exam Fee Included**

**Credential Achievement Guarantee**  
*conditions apply*