

CompTIA Security+

Course Overview

CompTIA Security+ is a global certification that validates the baseline skills necessary to perform core security functions and pursue an IT security career. This course provides a comprehensive foundation in cybersecurity concepts, tools, and best practices to protect organizations from evolving threats.

Prerequisites

- Basic knowledge of networking and operating system concepts
- Two years of experience in IT administration with a focus on security
- Completion of Network+ certification or equivalent knowledge

Tools and Technologies

Wireshark Nmap Metasploit OpenVAS Splunk OSSEC Snort

Why Choose This Course

- CompTIA Security+ is recognized globally as a benchmark for cybersecurity professionals
- Curriculum aligned with the latest exam objectives (SY0-601)
- Hands-on labs that simulate real-world security scenarios
- Training delivered by certified cybersecurity professionals
- Focus on practical skills immediately applicable in the workplace
- Preparation for DoD 8570.01-M compliant certification
- Stepping stone to advanced security certifications and career growth

Career Opportunities

- Security Administrator
- Security Specialist
- Security Consultant
- Systems Administrator with Security Focus

- Network Administrator
- Junior Security Analyst
- IT Auditor

Course Curriculum

Module 01: Threats, Attacks, and Vulnerabilities

- Malware and Attack Types
- Social Engineering Techniques
- Application and Service Attacks
- Threat Actors, Intelligence, and Analysis

Module 02: Architecture and Design

- Enterprise Security Concepts
- Secure Network Architecture
- Secure Cloud and Virtualization Services
- Identity and Access Management
- Security Controls and Physical Security

Module 03: Implementation

- Secure Protocols and Services
- Host and Endpoint Security
- Mobile and IoT Device Security
- Secure Application Development
- Cloud Security Solutions

Module 04: Operations and Incident Response

- Security Assessment Tools
- Security Operations and Monitoring

- Incident Response Process
- Digital Forensics Procedures

Module 05: Governance, Risk, and Compliance

- Security Policies and Procedures
- Business Impact Analysis and Risk Management
- Data Privacy and Security Controls
- Compliance and Frameworks

Module 06: Performance-Based Exercises

- Security Tools and Utilities (Hands-on)
- Troubleshooting Security Issues (Hands-on)
- Configuring Security Systems (Hands-on)
- Practice PBQs and Assessment

Certification

Upon course completion, participants will be prepared to take the CompTIA Security+ (SY0-601) certification exam. This globally recognized certification validates your essential cybersecurity skills and is compliant with ISO 17024 standards.

Certification Benefits

- Industry-recognized credential
- Enhanced job opportunities and career growth
- Validation of specialized skills and knowledge
- Increased earning potential
- Demonstrates commitment to professional development

Course Features



Certification Prep

Hands-on Labs

Practice Tests

Duration: 4 Weeks

Level: Intermediate

Frequently Asked Questions

Is Security+ considered an entry-level certification?

While Security+ is often considered foundational, it's not strictly entry-level. CompTIA recommends at least two years of IT administration experience with a security focus before pursuing this certification. It's more intermediary between basic IT certifications and advanced security certifications.

How does Security+ compare to other cybersecurity certifications?

Security+ is broader in scope than specialized certifications, covering a wide range of security concepts rather than focusing deeply on one area. It's recognized by the US Department of Defense as meeting Directive 8570.01-M requirements and serves as an excellent stepping stone to more advanced certifications like CISSP or CISM.

Does Security+ include hands-on training?

Yes, our Security+ course includes substantial hands-on labs that allow you to practice security techniques in safe environments. You'll work with real security tools, analyze vulnerabilities, configure security settings, and respond to simulated incidents to reinforce the theoretical concepts.

How often is the Security+ certification updated?

CompTIA typically refreshes the Security+ certification every three years to ensure it remains relevant to current technologies and threats. The current version is SY0-601, launched in November 2020. Our course is always aligned with the most current exam objectives.

What job roles is Security+ best suited for?

Security+ certification is ideal for roles such as Security Administrator, Systems Administrator, Security Specialist, Security Consultant, and Network Administrator. It provides the foundation needed for entry-level to intermediate security positions across various industries.