

# COMPTIA SECURITY+ ULTIMATE BOOTCAMP

CompTIA®

## Course Introduction:

**CompTIA® Security+® Ultimate Bootcamp** is the most in-depth IT security training offered. Expand beyond your professional experience with security fundamentals, networks, and organizational security as you acquire the skills to master basic security services on any type of computer network.

**This course will prepare you for the CompTIA Security+ Certification Examination (Exam SY0-501).**

Today's IT security job market demands individuals with real-world knowledge, and the ability to implement information security across a variety of different contexts. In this premium training bootcamp, you build a computer security skill set where you can confidently perform your duties in any security-related role.

## Who Should Attend:

Candidates for the **Security+ Certification (SY0-501)**

## ULTIMATE Bootcamps!

The instructional design of an Ultimate Bootcamp ensures that you, the student, get the maximum benefit from the course delivery. Students are able to learn more, faster, and have higher retention of knowledge through a combination of highly experienced instructors, quality coaching, hands-on experience, attention to detail, and intuitive courseware.

## What You'll Learn:

- Identify the fundamental components of information security.
- Analyze risk.
- Identify various threats to information security.
- Conduct security assessments to detect vulnerabilities.
- Implement security for hosts and software.
- Implement security for networks.
- Manage identity and access.
- Implement cryptographic solutions in the organization.
- Implement security at the operational level.
- Address security incidents.
- Ensure the continuity of business operations in the event of an incident.

## Prerequisites:

CompTIA A+ and Network+ certifications, or equivalent knowledge, and six to nine months experience in networking, including configuring security parameters, are strongly recommended.



Ready to Advance Your Career?  
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# CompTIA Security+ (Ultimate Bootcamp)

## Course Outline:

### Lesson 1: Identifying Security Fundamentals

- Identify Information Security Concepts
- Identify Basic Security Controls
- Identify Basic Authentication and Authorization Concepts
- Identify Basic Cryptography Concepts

### Lesson 2: Analyzing Risk

- Analyze Organizational Risk
- Analyze the Business Impact of Risk

### Lesson 3: Identifying Security Threats

- Identify Types of Attackers
- Identify Social Engineering Attacks
- Identify Malware
- Identify Software-Based Threats
- Identify Network-Based Threats
- Identify Wireless Threats
- Identify Physical Threats

### Lesson 4: Conducting Security Assessments

- Identify Vulnerabilities
- Assess Vulnerabilities
- Implement Penetration Testing

### Lesson 5: Implementing Host and Software Security

- Implement Host Security
- Implement Cloud and Virtualization Security
- Implement Mobile Device Security
- Incorporate Security in the Software Development Lifecycle

### Lesson 6: Implementing Network Security

- Configure Network Security Technologies
- Secure Network Design Elements
- Implement Secure Networking Protocols and Services
- Secure Wireless Traffic

### Lesson 7: Managing Identity and Access

- Implement Identity and Access Management
- Configure Directory Services
- Configure Access Services
- Manage Accounts

### Lesson 8: Implementing Cryptography

- Identify Advanced Cryptography Concepts
- Select Cryptographic Algorithms
- Configure a Public Key Infrastructure
- Enroll Certificates
- Back Up and Restore Certificates and Private Keys
- Revoke Certificates

### Lesson 9: Implementing Operational Security

- Evaluate Security Frameworks and Guidelines
- Incorporate Documentation in Operational Security
- Implement Security Strategies
- Manage Data Security Processes
- Implement Physical Controls

### Lesson 10: Addressing Security Incidents

- Troubleshoot Common Security Issues
- Respond to Security Incidents
- Investigate Security Incidents

### Lesson 11: Ensuring Business Continuity

- Select Business Continuity and Disaster Recovery Processes
- Develop a Business Continuity Plan

### Appendix

- Mapping Course Content to CompTIA® Security+® (Exam SY0-501)

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