



**HEROTEC**  
NETWORK PROFESSIONAL TRAINING

## **CompTIA Security + SY0-601 Course Outline**

### **Target Audience & Job Roles:**

- Security Administrator
- Systems Administrator
- Helpdesk Manager / Analyst
- Security Analyst
- Network / Cloud Engineer
- IT Auditors
- Security Engineer
- DevOps / Software Developer
- IT Project Manager
- Security Officer
- Information Security Manager
- Helpdesk Manager / Analyst

## Course Objectives

- This course is aimed towards IT professionals who install and configure systems to secure applications, networks, and devices; perform threat analysis and respond with appropriate mitigation techniques; participate in risk mitigation activities and operate with an awareness of applicable policies, laws, and regulations.
- This course is for IT candidates preparing to take the CompTIA Security+ certification exam SY0-601.

## Technical Areas Covered:

- Attacks, Threats and Vulnerabilities
- Architecture and Design
- Security Implementation
- Operations and Incident Response
- governance, Risk and Compliance

## Security + Course Benefits:

- More choose Security+ – chosen by more corporations and defense organizations than any other certification on the market to validate core security skills and for fulfilling DoD 8570 compliance.
- Security+ is aligned to the latest trends and techniques – covering the most core technical skills in risk assessment and management, incident response, forensics, enterprise networks
- Security+ establishes the core knowledge required of any cybersecurity role and provides a springboard to intermediate-level cybersecurity jobs.
- All CompTIA certification exams are vendor-neutral. This ensures IT professionals can perform important job tasks in any technology environment.
- Security+ proves hands-on skills as official CompTIA content is not only study material but includes CertMaster, CompTIA Labs & CertMaster Practice to ensure you have the ability to apply knowledge learned.
- CompTIA certifications earn the ANSI/ISO 17024 accreditation, the standard for personnel certification programs. Over 2.3 million CompTIA ISO/ANSI-accredited exams have been delivered since January 1, 2011.

## Herotec Training Key Features

- Certified Trainers
- Official Courseware
- Course Knowledge setup to ensure “Learn by Doing”
- Downloadable files, links and checklists & more resources
- Affordable prices
- Flexibility

## About the exam:

- Required exam: SY0-601
- Number of questions: Maximum of 90
- Types of questions: Multiple-choice
- Exam duration: 90 minutes
- Recommended experience: 2 years technical information security experience
- Passing score: 750 (on a scale of 100–900)

## Course Outlines:

- Lesson 1: Comparing Security Roles and Security Controls
- Lesson 2: Explaining Threat Actors and Threat Intelligence
- Lesson 3: Performing Security Assessments
- Lesson 4: Identifying Social Engineering and Malware
- Lesson 5: Summarizing Basic Cryptographic Concepts
- Lesson 6: Implementing Public Key Infrastructure
- Lesson 7: Implementing Authentication Controls
- Lesson 8: Implementing Identity and Account Management Controls
- Lesson 9: Implementing Secure Network Designs
- Lesson 10: Implementing Network Security Appliances
- Lesson 11: Implementing Secure Network Protocols
- Lesson 12: Implementing Host Security Solutions
- Lesson 13: Implementing Secure Mobile Solutions
- Lesson 14: Summarizing Secure Application Concepts
- Lesson 15: Implementing Secure Cloud Solutions
- Lesson 16: Explaining Data Privacy and Protection Concepts
- Lesson 17: Performing Incident Response
- Lesson 18: Explaining Digital Forensics
- Lesson 19: Summarizing Risk Management Concepts
- Lesson 20: Implementing Cybersecurity Resilience
- Lesson 21: Explaining Physical Security

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