

**This CompTIA certification course helps to prepare students to take and pass the SY0-601 Security+ exam and obtain the Security+ certification. This course is excellent for those looking to increase their employability prospects in security administration careers.**

### IS THIS FOR YOU?

This course is great for anyone looking to work as an IT Technician, Security Engineer, IT Security Consultant, IT Manager or Network Administrator. Also good for those wanting to gain the CompTIA Security+ certification exam, SY0-601\*.

### ABOUT THE COURSE

Security+ is an online IT training course designed to help you learn about systems security, network security, access control and managing risk. Each online training session will guide you through step-by-step and help you learn everything you need to know to go on and gain your CompTIA certification.

If you'd like to work in roles such as IT Security Consultant, Network Administrator, this course will ensure you're well placed to achieve your IT career goals.

The course is online so you can study wherever, and whenever you choose and you'll still have full support of the Pitman Training Course Advisors.

### AIMS AND OBJECTIVES

This IT Security course is designed to help you increase your understanding of how to secure an IT network.

The course is designed to prepare you for the CompTIA Security+ certification exam.

\*For details about vendor specific exams please talk with your course advisor.

### COURSE OUTLINE

#### Domain 1 Threats, Attacks and Vulnerabilities

- Analyse Potential Indicators to determine Attack Type
- Password Attacks
- Physical Attacks
- Adversarial Artificial Intelligence (AI)
- Cryptographic Attacks
- Application Attack Indicators
- Potential Indicators Associated with Network Attacks
- Threat Actors, Vectors and Intelligence Sources
- Security Concerns Associated with Vulnerability Types
- Security Assessment Techniques
- Penetration Testing Techniques

#### Domain 2 Architecture and Design

- Virtualisation and Cloud Computing Concepts
- Secure Application Development, Deployment and Automation Concepts
- Authentication and Authorisation Design Concepts
- Implement Cybersecurity Resilience
- Security Implications of Embedded and Specialised Systems
- Importance of Physical Security Controls
- Basics of Cryptographic Concepts

#### Domain 3 Implementation

- Implement Host or Application Security Solutions
- Implement Secure Network Designs
- Install and Configure Wireless Security Settings
- Implement Secure Mobile Solutions

# Security+

## Domain 3 Implementation

Apply Cybersecurity Solutions to the Cloud  
Implement Identity and Account Management Controls  
Implement Authentication and Authorisation Solutions  
Implement Public Key Infrastructure

## Domain 4 Operations and Incident Response

Tools for Accessing Organisational Security Incident Response  
Investigation Data Sources  
Mitigation Techniques  
Key Aspects of Digital Forensics

## Domain 5 Governance, Risk and Compliance

Regulations, Standards and Frameworks  
Organisational Security Policies  
Risk Management Processes and Concepts  
Privacy and Sensitive Data Concepts

## PRE-REQUISITES

Some existing IT skills and knowledge, preferably having taken the Network+ course.

## BENEFITS

- Get prepared for exam SY0-601
- Put your skills to the test with hundreds of Pre/Post-Test questions
- View your online courseware anytime anywhere

## CAREER PATH

This renowned CompTIA certification will help set you on the path to a rewarding IT career. With this training and experience you could work towards jobs such as Information Security Analyst, Support Technician, Network Engineer and Security Engineer.

## COURSE DURATION: 60 HOURS

*(Actual course duration will vary from individual to individual, based on prior skills and application)*



## CPD POINTS: 60

*(Awarded CPD points upon successful completion)*

**To find out more about this or any of our courses, speak to one of our course advisors.**



Building careers  
for 180 years.

