# Security+ with Pitman Training

**If you're working as a Network Technician or Administrator, undertaking Security+ training will enable you to take your career to the next level and provide you with IT industry standard, vendor-neutral certification.**

This course will help you develop your knowledge and understanding of security concepts, how to manage and maintain security on a network, how to manage a security breach and much more. For further details of what each session will cover, see the Course Content detail below.

This online Security+ training course will take you through several tutorial sessions and these can be studied at your own pace and at times convenient to you.

To help you prepare for your Security+ exam (SY0-401), there are lots of practice test questions to help solidify all the knowledge gained throughout the course.

## Designed for

The CompTIA Security+ certification is essential for anyone looking to work as a Security Engineer, Security Consultant or Network Administrator. This course will ensure you have the knowledge and understanding to achieve your goal and prepare you to undertake the Security+ certification exam (SY0-401).

## Prerequisites

Before starting the Security+ course, it would be preferable if you have a decent level of pre-existing IT skills and have undertaken the Network+ course.

## Aims and Objectives

This course is designed to help prepare you to undertake the Security+ exam SY0-401.

## Course Content

There are a total of 7 sessions within this CompTIA Security+ training:

**Session 1**

Section A: Introduction

Section B: Principles and Concepts

Section C: Assessment Tools

Section D: Risk Mitigation

Section E: Incident Response

Section F: Security Policies

Section G: Security Awareness Training

**Session 2**

Section A: Risk Management Best Practices

Section B: Network Infrastructure Devices

Section C: Network Services

Section D: VLAN and Network Design

Section E: TCP/IP Networking

Section F: Common Network Protocols

Section G: Protocol Ports

**Session 3**

Section A: Understanding Firewalls

Section B: Security-related Network Tools

Section C: Wireless Networking

Section D: Application Servers

Section E: Data and Database Servers

Section F: Understanding Authentication

Section G: Authentication Services

**Session 4**

Section A: Cryptography Basics

Section B: Cryptography Tools

Section C: Public Key Infrastructure

Section D: Authentication and Cryptography Attacks

Section E: Wired Network Attacks

Section F: Wireless Network Attacks

**Session 5**

Section A: Application Vulnerabilities

Section B: Database Attacks

Section C: Server Vulnerabilities

Section D: Malware Issues

Section E: Social Engineering

Section F: Additional Attacks

Section G: Covering Tracks and Backdoors

*Continued over….*

**Session 6**

Section A: Detecting Attacks

Section B: Automated Detecting

Section C: Physical Security

Section D: Environmental Controls

Section E: Secure Administration

Section F: Server Hardening

Section G: Network Interface Security

**Session 7**

Section A: Vulnerability Scan

Section B: Application Security

Section C: Update and Patch Management

Section D: Virtualisation and Cloud Computing

Section E: General Hardening and Forensics

Section F: Static Devices

Section G: Mobile Security Concepts

## Benefits

- **The flexibility and value of a self-study course designed to enable you to work at your own pace**

- **The opportunity to gain the widely recognised Pitman Training Certificate**

- **The opportunity to gain certification which is recognised by industry computing manufacturers and organisations**

- **Identify types and characteristics of PC components, including the motherboard, CPU, memory and storage, and input and output devices**

- **Learn techniques to install and configure Microsoft operating systems**

- **Begin to assemble, disassemble, and upgrade PC and notebook components**

## Course duration: 19 hours

* Please note that exams will need to be booked and paid for separately
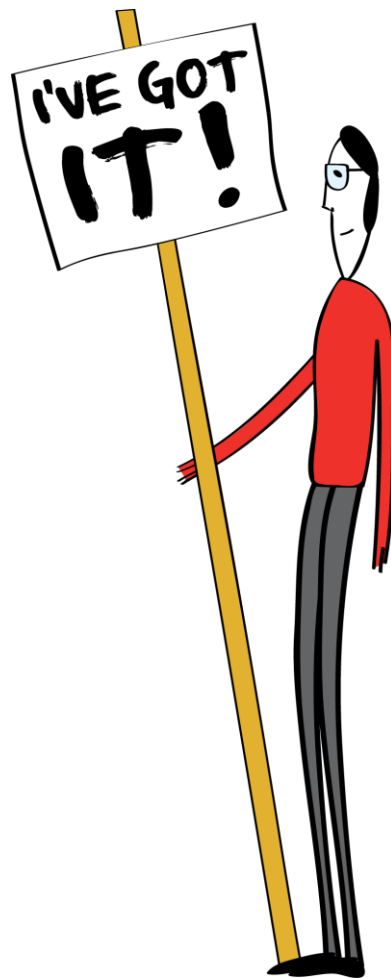
Make sure this course is right for you - have a friendly chat with a Course Adviser, arrange to drop in to have a FREE taster or book a place...

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web: www.pitmanlondon.co.uk      email: courses@pitmanlondon.co.uk

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