

Course Outline



Tel: +44 (0) 118 979 4000 Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk Web: www.ptr.co.uk

CompTIA Security +

Course Description:

This course is designed to prepare candidates for the CompTIA Security+ examination. The Security+ Certification program is an industry-wide, vendor-neutral program developed and sponsored by The Computing Industry Technology Association.

The course covers the objectives for the SY0-201 examination, which seeks to certify that candidates have knowledge of the security issues relating to the IT work environment, including social and environmental influences.

Each module ends with a set of review questions to help the student consolidate the topics covered. Where appropriate, hands-on practical exercises are included.

Pre-requisites:

To benefit fully from this course, students should ideally have two years experience in networking or the equivalent knowledge.

Course Content:

- **Security Foundation**
 - Information Security Principles
 - Security Terms
 - Risk Management
 - Defence Strategies

- **Security Threats and Risks**
 - Software-based Threats
 - Network-based Threats
 - Virtualization-based Threats
 - Hardware-based Threats
 - Social Threats

21a Peach Street Wokingham Berkshire RG40 1XJ

Tel 0118 979 4000 **Fax** 0118 979 4035 **Email** training@ptr.co.uk **www.ptr.co.uk**

Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

Course Outline



Tel: +44 (0) 118 979 4000

Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk

Web: www.ptr.co.uk

- **Operating System Vulnerabilities and Defences**
 - Operating System Hardening
 - Security Policies and Templates
 - Security Applications
- **Review of Networking**
 - Network Devices
 - How Data is transmitted across Networks
 - TCP/IP Protocols
 - TCP/IP Applications
 - Common Network Infrastructures
- **Network Vulnerabilities and Defences**
 - Physical Vulnerabilities
 - Network Device Vulnerabilities
 - Reconnaissance
 - Sniffers
 - Scanning
 - Network Attacks
 - Secure Network Design
 - Firewalls
 - Security Auditing
 - Network Address Translation
 - Subnets and VLANS
- **Cryptography Fundamentals**
 - Principles of Cryptography
 - Modern Encryption Algorithms
 - Digital Certificates
- **Access Control**
 - Access Control Basic Concepts
 - Access Control Models
 - Recommended Practices
 - Identification Security
 - Authentication Security
 - Authorization Security
 - Access Security

21a Peach Street Wokingham Berkshire RG40 1XJ

Tel 0118 979 4000 **Fax** 0118 979 4035 **Email** training@ptr.co.uk **www.ptr.co.uk**

Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

Course Outline



Tel: +44 (0) 118 979 4000

Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk

Web: www.ptr.co.uk

- **Access Control**
 - **Wireless Security**
 - **Internet Security**
 - **Operational and Organizational Security**
- Accounting
 - Wireless Security
 - Wireless Security Standards
 - Configuring a Wireless Access Point
 - Remote Access
 - Web Access
 - E-mail Security
 - Environmental Controls
 - Business Continuity
 - Incident Response Procedures
 - Security Auditing
 - Security Policies and Procedures
 - Education and User Awareness

Course Duration:

5 Days