



Security+ Prep Course

Duration: 5 Days **Course Code: SYO-301**

Overview:

Prepare for Security+ certification while learning real-world skills.

CompTIA's Security+ is the premier vendor-neutral security certification and demonstrates your knowledge of security concepts, tools, and procedures. It confirms your ability to react to security incidents, and it validates your skill in anticipating security risks and guarding against them. In this course, you will learn to proactively implement sound security protocols to mitigate security risks, quickly respond to security issues, and retroactively identify where security breaches may have occurred. You will also learn to design a network, on-site or in the cloud, with security in mind.

Our Security+ Prep Course prepares you for the Security+ certification exam based on the 2011 objectives (Exam SYO-301), which is included in the approved list of certifications to meet DoD Directive 8570.1 requirements.

This course is your one source for exam preparation and includes pre-class online access to:

Security+ reading plan

Security+ study guide

Security+ certification practice exams

During class, you'll have access to:

Security+ student manual

Additional Security+ practice exam questions

Comprehension exercises, study digest, and quick reference card

Post-class, you'll have access to:

Security+ exam voucher

Target Audience:

Candidates for the Security+ certification (SYO-301).

Objectives:

- Mitigating threats
 - Cryptography
 - Authentication
 - User and role-based security
 - Peripheral security
 - Public key infrastructure
 - Application and messaging security
 - Ports and protocols
 - Network security
 - Wireless security
 - Remote access security
 - Auditing, logging, and monitoring
 - Vulnerability testing and monitoring
 - Organizational security
 - Business continuity
 - CompTIA Security+ objectives map
 - CompTIA Security+ acronyms
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Prerequisites:

- CompTIA A+ certification and CompTIA Network+ certification or equivalent experience

Testing and Certification

- This course is part of the following programs or tracks:
 - CompTIA Security+ Certification
 - CompTIA Certification
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Follow-on-Courses:

- Certified Ethical Hacker v7
- CISSP Prep Course
- CISA Prep Course

Content:

1. Mitigating Threats

- System maintenance
- Application security
- Physical security
- Malware
- Social engineering

2. Cryptography

- Symmetric cryptography
- Public key cryptography

3. Authentication

- Authentication factors and requirements
- Authentication systems
- Authentication system vulnerabilities

4. User- and Role-Based Security

- Baseline security policies
- Resource access

5. Peripheral Security

- File and disk encryption
- Peripheral and component security
- Mobile device security

6. Public Key Infrastructure

- Public key cryptography
- Implementing public key infrastructure (PKI)
- Web server security with PKI

7. Application and Messaging Security

- Application security
- E-mail security
- Social networking and messaging

8. Ports and Protocols

- TCP/IP basics
- Protocol-based attacks

9. Network Security

- Network devices
- Secure network topologies
- Secure networking
- Virtualization and cloud computing

10. Wireless Security

- Wireless network security
- Mobile device security

11. Remote Access Security

- Remote access
- Virtual private networks

12. Vulnerability Testing

- Risk and vulnerability assessment
- Auditing and logging
- Intrusion detection and prevention systems
- Incident response

13. Organizational Security

- Organizational policies
- Education and training
- Disposal and destruction

14. Business Continuity

- Redundancy planning
- Disaster recovery
- Environmental controls

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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