

INTERNATIONAL CERTIFICATION COMPTIA SECURITY+



IT security is paramount to organizations as cloud computing and mobile devices have changed the way we do business. With the massive amounts of data transmitted and stored on networks throughout the world, it's essential to have effective security practices in place. That's where CompTIA Security+ comes in. Get the Security+ certification to show that you have the skills to secure a network and deter hackers and you're ready for the job.

The CompTIA Security+ certification is a vendor-neutral, internationally recognized credential used by organizations and security professionals around the globe to validate foundation level security skills and knowledge.

CompTIA Security+ certification covers network security, compliance and operation security, threats and vulnerabilities as well as application, data and host security. Also included are access control, identity management, and cryptography.

EMPLOYMENT OPPORTUNITIES

With the increasing number of security threats affecting all areas of business, you can enter a field where the need for security professionals and qualified IT personnel is the largest of any IT specialty.

Career opportunities in this field include:

- Security Architect
- Security Engineer
- Security Consultant
- Security or Systems Administrator
- Information Assurance Technician

ENTRANCE REQUIRMENT

- CompTIA Network+ and two years of experience in IT administration is recommended
- Access to a Computer is required

COURSE DURATION

Based on contact hours as determined by the accreditation body and based on HC College course progression structure and schedule:

- Full Time - approximately 3 months
- Part Time - approximately 5 months
- Distance Learning - approximately 5 months

COURSE CONTENT

CompTIA Security + (SY0-401)

Network Security

- Implement security configuration parameters on network devices and other technologies
- Secure network administration principles
- Network design elements and components
- Implement common protocols and services
- Troubleshoot security issues related to wireless networking

Compliance and Operational Security

- Risk related concepts
- Security implications of integrating systems and data with third parties
- Implement appropriate risk mitigation strategies
- Implement basic forensic procedures
- Common incident response procedures
- Security related awareness and training
- Compare and contrast physical security and environmental controls
- Risk management best practices
- Select the appropriate control to meet the goals of security

Threats and Vulnerabilities

- Types of malware
- Types of attacks
- Types of wireless attacks
- Application attacks
- Analyze and select the appropriate type of mitigation and deterrent techniques
- Use appropriate tools and techniques to discover security threats and vulnerabilities
- Use of penetration testing versus vulnerability scanning

Application, Data and Host Security

- Security controls and techniques
- Mobile security concepts and technologies
- Host security solutions
- Data security control
- Mitigate security risks in static environments

Access Control and Identity Management

- Functions and Purpose of authentication services
- Appropriate authentication, authorization or access control
- Install and configure security controls when performing account management, based on best practices

Cryptography

- Cryptography concepts
- Cryptographic methods
- PKI, certificate management and associated components

ASSESSMENTS

The CompTIA S+ Certification is externally examined at a Pearson VUE testing centre. HC College is an accredited testing centre. HC College can also offer practice tests to prepare the learner for the final exam.

CERTIFICATION

On successful completion of your external exams you will receive the internationally recognised CompTIA Security + Certificate

FURTHER STUDIES

After successful completion of the course, there are several career paths that you may specialise in. Please contact HC College for further information.