010 612 0679
www.tlo.co.za

CompTIA Security+
5 Days

1. PROGRAMME OVERVIEW

This is a global certification. It enables the learner to perform the core security functions.
Security+ emphasizes hands-on practical skills, ensuring the security professional is better prepared to problem solve a wider variety of issues. It focuses on the latest trends and techniques in risk management, risk mitigation, threat management and intrusion detection.

2. PROGRAMME OUTLINES

Topic 1: Network Security
Implement security configuration parameters on network devices and other technologies.
Given a scenario, use secure network administration principles.
Explain network design elements and components.
Given a scenario, implement common protocols and services.
Given a scenario, troubleshoot security issues related to wireless networking.

Topic 2: Compliance and Operational Security
Explain the importance of risk related concepts.
Summarize the security implications of integrating systems and data with third parties.
Given a scenario, implement appropriate risk mitigation strategies.
Given a scenario, implement basic forensic procedures.
Summarize common incident response procedures.
Explain the importance of security related awareness and training.
Compare and contrast physical security and environmental controls.
Summarize risk management best practices.
Given a scenario, select the appropriate control to meet the goals of security.

Topic 3: Threats and Vulnerabilities
Explain types of malware.
Summarize various types of attacks.
Summarize social engineering attacks and the associated effectiveness with each attack.
Explain types of wireless attacks.
Explain types of application attacks.
Analyze a scenario and select the appropriate type of mitigation and deterrent techniques.
Given a scenario, use appropriate tools and techniques to discover security threats and vulnerabilities.
Explain the proper use of penetration testing versus vulnerability scanning.

Topic 4: Application, Data and Host Security
Explain the importance of application security controls and techniques.
Summarize mobile security concepts and technologies.
Given a scenario, select the appropriate solution to establish host security.
Implement the appropriate controls to ensure data security.
Compare and contrast alternative methods to mitigate security risks in static environments.

Topic 5: Access Control and Identity Management
Compare and contrast the function and purpose of authentication services.
Given a scenario, select the appropriate authentication, authorization or access control.
Install and configure security controls when performing account management, based on best practices.

Topic 6: Cryptography
Utalise general cryptography concepts.
Use appropriate cryptographic methods.
Use appropriate PKI, certificate management and associated components.

3. PROGRAMME OUTLINES

The programme is instructor led by an industry specialist. The programme is practical in nature and delegates will learn by given scenarios/casestudies.