

CompTIA Security+ Course Outline



EXAM NUMBER: SY0-601

Threats, Attacks, and Vulnerabilities

- Compare and contrast different types of social engineering techniques.
- Given a scenario, analyze potential indicators to determine the type of attack
- Given a scenario, analyze potential indicators associated with application attacks.
- Given a scenario, analyze potential indicators associated with network attacks.

Architecture and Design

- Explain the importance of security concepts in an enterprise environment.
- Summarize virtualization and cloud computing concepts.
- Summarize secure application development, deployment, and automation concepts.
- Summarize authentication and authorization design concepts.
- Given a scenario, implement cybersecurity resilience.

Implementation

- Given a scenario, implement secure protocols.
- Given a scenario, implement host or application security solutions.
- Given a scenario, implement secure network designs
- Given a scenario, install and configure wireless security settings.

- Given a scenario, implement secure mobile solutions.
- Given a scenario, apply cybersecurity solutions to the cloud.
- Given a scenario, implement identity and account management controls.
- Given a scenario, implement authentication and authorization solutions
- Given a scenario, implement public key infrastructure.

Operations and Incident Response

- Given a scenario, use the appropriate tool to assess organizational security.
- Summarize the importance of policies, processes, and procedures for incident response.
- Given an incident, utilize appropriate data sources to support an investigation.

Governance, Risk, and Compliance

- Compare and contrast various types of controls.
- Explain the importance of applicable regulations, standards, or frameworks that impact organizational security posture.
- Explain the importance of policies to organizational security.
- Summarize risk management processes and concepts.
- Explain privacy and sensitive data concepts in relation to security.