CompTIA Security+ Course Outline

EXAM NUMBER: SY0-701

General Security Concepts

- Compare and contrast various types of security controls.

- Summarize fundamental security concepts.

- Explain the importance of change management processes and the impact to security.

- Explain the importance of using appropriate cryptographic solutions.

Threats, Vulnerabilities, and Mitigations

- Compare and contrast common threat actors and motivations.

- Explain common threat vectors and attack surfaces.

- Explain various types of vulnerabilities.

- Given a scenario, analyze indicators of malicious activity.

- Explain the purpose of mitigation techniques used to secure the enterprise.

Security Architecture

- Compare and contrast security implications of different architecture models.

- Given a scenario, apply security principles to secure enterprise infrastructure.

- Compare and contrast concepts and strategies to protect data.

- Explain the importance of resilience and recovery in security architecture.

Security Operations

- Given a scenario, apply common security techniques to computing resources.

- Explain the security implications of proper hardware, software, and data asset management.

- Explain various activities associated with vulnerability management.

- Explain security alerting and monitoring concepts and tools.

- Given a scenario, modify enterprise capabilities to enhance security.

- Given a scenario, implement and maintain identity and access management.

- Explain the importance of automation and orchestration related to secure operations.

- Explain appropriate incident response activities.

- Given a scenario, use data sources to support an investigation.

Security Program Management and Oversight

- Summarize elements of effective security governance.

- Explain elements of the risk management process.

- Explain the processes associated with third-party risk assessment and management.

- Summarize elements of effective security compliance.

- Explain types and purposes of audits and assessments.

- Given a scenario, implement security awareness practices.