CompTIA SecAI+ (CY0-001)

Course Overview

CompTIA SecAI+ is the first certification in CompTIA expansion series, designed to help you secure, govern and responsibly integrate artificial intelligence into your cybersecurity operations. You'll build the skills to defend AI systems, meet global compliance expectations and use AI to enhance threat detection, automation and innovation—so you can strengthen your expertise and help keep your organization's systems and data secure

Upon course completion, you will be able to:

- Understand fundamental cybersecurity concepts and best practices.
- Explain the role and application of artificial intelligence in security environments.
- Identify and mitigate common threats and vulnerabilities.
- Apply risk management techniques to real-world scenarios.
- Utilize security tools and technologies for threat detection and response.
- Interpret and analyze security data to inform decision-making.
- Communicate technical information clearly to both technical and non-technical audiences.

Skills you'll learn

- Apply AI concepts to strengthen your organization's cybersecurity posture.
- Secure AI systems using advanced controls and protections to safeguard data, models, and infrastructure.
- Leverage AI technologies to automate workflows, accelerate incident response, and scale security operations.
- Navigate global GRC frameworks to ensure ethical and compliant AI adoption across industries.
- Defend against AI-driven threats like adversarial attacks, automated malware, and malicious use of generative AI.
- Integrate AI securely into DevSecOps pipelines and enterprise security strategies.

Course Prerequisites

Recommended experience: 3–4 years in IT, inclusive of 2+ years hands-on cybersecurity; Security+, CySA+, PenTest+, or equivalent recommended.

Associated Certifications

SecAI+

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