

CompTIA SecAI+ Certification Prep Course

Duration: 5 Days Course Code: GK021 Version: CY0-001

Overview:

CompTIA SecAI+ validates the competencies required for cybersecurity professionals who are responsible for securing AI-driven systems.

The CompTIA SecAI+ Certification Prep Course is designed to prepare learners for the CY0-001 exam. This course equips cybersecurity professionals with the practical skills needed to develop practical, job-ready skills for recognizing and responding to AI-driven threats, such as prompt injection, model abuse, data leakage, and adversarial attacks. They will be able to apply secure-by-design principles to AI use cases, policies, and workflows. SecAI+ also provides a verifiable way to demonstrate your skills to employers, helping you stand out in a competitive market. They signal a commitment to ongoing professional development and can support career advancement, role expansion, or salary growth over time.

This course covers the core domains tested on the SecAI+ exam: Basic AI Concepts Related to Cybersecurity, Securing AI Systems, AI-assisted Security and AI Governance, Risk, and Compliance. Participants will develop the knowledge and hands-on skills required to Understand important AI concepts, Secure AI systems using various technical controls, Leverage AI to enhance corporate security posture while automating security tasks, and Understand how governance, risk, and compliance (GRC) impacts AI technologies on a global scale. By the end of the course, learners will be prepared to contribute to risk management, governance, and incident response activities involving AI.

Target Audience:

This course is ideal for those who currently hold a CompTIA cybersecurity certification (such as Security+, CySA+, PenTest+, etc.) or equivalent experience, and are looking to expand their skill set for evolving job roles in the context of AI technologies.

Objectives:

- After this course participants should be able to:
 - Apply foundational and advanced AI concepts to strengthen organizational cybersecurity.
 - Implement robust security controls and best practices for protecting AI systems and data.
 - Leverage AI-driven tools to enhance threat detection, response, and automation of security operations.
 - Navigate global governance, risk, and compliance
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Prerequisites:

This is equivalent to 3–4 years of IT experience with approximately 2 years of hands-on cybersecurity experience.

- G013 - CompTIA Security+
- G015 - CompTIA PenTest+ Certification Prep Course
- GK5867 - CompTIA CySA+ Cybersecurity Analyst

Testing and Certification

CompTIA SecAI+ certifications equips candidates to secure, govern, and innovate with artificial intelligence, elevating resilience, compliance, and operational excellence in digital enterprises.

Exam series code: CY0-001

Number of questions: Maximum of 60, multiple-choice and performance-based

Passing score: 600 (on a scale of 100–900)

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

Content:

Module 1: AI and Data Concepts for Cybersecurity	Module 3: Installing Access Controls for AI	Module 5: Leveraging AI in Security and Understanding Its Misuse
Module 2: Implementing Threat Modeling and Securing AI Systems	Module 4: Distinguishing AI- Related Threats and Compensating Controls	Module 6: Understanding AI Governance, Risk, and Compliance

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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