

Security Management with AI

Target Audience: Information Security Managers, Security Program Managers, ISMS Managers, Security Awareness Officers, Risk and Compliance Teams, SOC Managers

Duration: 5 Days

Learning Objectives

Use generative AI to improve security program management.

Develop policies, procedures, and standards more efficiently.

Create engaging security awareness and training content.

Automate reporting, risk analysis, and documentation.

Use AI responsibly while protecting sensitive organizational data.

5-Day Course Table of Contents

Day 1

AI Fundamentals for Security Leaders

Understanding generative AI and large language models (LLMs)

AI capabilities and limitations

Responsible AI use

AI for Security Program Management

Drafting security strategies and roadmaps

Developing policies and standards

Creating project plans and governance documents

Preparing executive reports and presentations

Day 2

AI for Security Risk Management

Assisting with risk identification and assessment

Generating risk registers and treatment plans

Supporting compliance gap analysis

Mapping controls to frameworks (e.g., ISO/IEC 27001, NIST CSF)

Day 3

AI for Security Awareness and Training

Creating role-based training materials

Developing phishing awareness campaigns

Designing quizzes and assessments

Producing newsletters, posters, and awareness emails

Day 4

AI for Incident Response

Drafting incident reports

Summarizing threat intelligence

Creating tabletop exercise scenarios

Supporting post-incident reviews

AI Prompt Engineering

Writing effective prompts

Refining AI outputs

Building reusable prompt libraries

Validating AI-generated content

Day 5

AI Governance and Security

Data privacy and confidentiality

Avoiding disclosure of sensitive information

AI policies and acceptable use

Human oversight and validation

Hands-on Exercises

Draft an information security policy.

Build a 12-month security awareness plan.

Generate phishing simulation content.

Create a risk register from a case study.

Produce an executive security dashboard.

Develop an AI-assisted security training module.