

AI+ Security Compliance Practitioner Training

OEM: AI CERTs • Duration: 5 Days (40 hrs) • Code: AT-230

COURSE MODULES & TOPICS

At a Glance: Course + Exam Overview

- Instructor-Led: 5 days (live or virtual)
- Self-Paced: 40 hours of content

Who Should Enroll?

- Cybersecurity Professionals: Enhance skills in compliance, security management, and AI-driven security practices.
- Risk Management Specialists: Learn AI-based approaches for risk assessment and mitigation.
- Compliance Officers: Apply AI to improve regulatory compliance processes and security governance.
- IT Security Analysts: Integrate AI technologies into security frameworks and operations.

Skills You'll Gain

- Cybersecurity Compliance Management
- AI-Driven Risk Assessment and Mitigation
- Compliance Framework Implementation (GDPR, HIPAA, PCI-DSS, NIST)
- Security Auditing and Compliance Monitoring
- AI-Powered Threat Detection and Incident Response
- Asset Security and Data Protection
- AI-Based Data Classification and Privacy Protection
- Security Architecture and Engineering with AI
- AI-Enhanced Network Security Management
- Identity and Access Management (IAM) with AI
- Security Operations and Workflow Automation
- Secure Software Development and AI-Based Security Testing
- AI Governance and Responsible AI Practices
- Predictive Threat Intelligence and Risk Management

What You'll Learn

- You will learn cybersecurity compliance principles, international standards such as GDPR and ISO, compliance program development, risk assessments, and how AI improves compliance monitoring and risk management.

- You will learn risk management frameworks, risk assessment techniques, AI-driven risk identification, predictive analytics, incident response, and compliance-focused risk mitigation strategies.
- You will learn AI-based data classification, encryption, privacy-preserving techniques, data anonymization, automated asset discovery, and AI-driven asset monitoring.
- You will learn AI-driven security architecture, predictive threat modeling, cryptography enhancements, vulnerability assessment, penetration testing, and AI-based access control models.
- You will learn network security fundamentals, AI-based traffic analysis, intrusion detection, threat hunting, AI-driven firewalls, and automated compliance reporting.
- You will learn authentication, authorization, identity lifecycle management, AI-enhanced biometric authentication, multi-factor authentication, and dynamic access control.
- You will learn penetration testing, vulnerability assessment, AI-powered security testing, incident response lifecycle, automated detection, and compliance audits.
- You will learn SOC operations, AI-assisted threat detection, security orchestration, data protection, disaster recovery planning, and automated security workflows.
- You will learn secure coding practices, AI-based code analysis, vulnerability discovery, application security testing, CI/CD security, threat modeling, and security audits.
- You will learn emerging AI technologies, predictive threat intelligence, AI governance, ethical AI practices, quantum computing impacts, and future cybersecurity compliance trends.

Prerequisites

- Basic understanding of cybersecurity principles, including threat prevention, detection, and response.
- Knowledge of networking fundamentals, including protocols, network architecture, and data transmission.
- Familiarity with programming concepts and languages (Python recommended).
- Foundational knowledge of AI or Machine Learning is beneficial but not mandatory.

Exam Blueprint:

- Introduction to Cybersecurity Compliance and AI - 10%
- Security and Risk Management with AI - 10%
- Asset Security and AI for Compliance - 10%
- Security Architecture and Engineering with AI - 10%
- Communication and Network Security with AI - 10%
- Identity and Access Management (IAM) with AI - 10%
- Security Assessment and Incident Response with AI - 10%
- Security Operations with AI - 10%
- Software Development Security and Audit with AI - 10%
- Future Trends in AI and Cybersecurity Compliance - 10%

Choose the Format That Fits Your Schedule

- High-Quality Videos, E-book (PDF & Audio), and Podcasts
- AI Mentor for Personalized Guidance
- Quizzes, Assessments, and Course Resources
- Online Proctored Exam with One Free Retake
- Comprehensive Exam Study Guide
- 5 days of intensive training with live demos

- Real-time Q&A, peer collaboration, and hands-on labs
- Led by AI Certified Trainers and delivered through Authorized Training Partners
- ~40 hours of on-demand video lessons, e-book, podcasts, and interactive labs
- Learn anywhere, anytime, with modular quizzes to track progress