ISACA Advanced in AI Audit (AAIA)

Duration: 0 Days **Course Code: AAIA** **Version: 1.0** **Delivery Method: e-Learning**

Overview:

The AAIA Certification Prep Course is designed to help professionals build the expertise needed to audit and govern AI systems with confidence. As artificial intelligence becomes integral to business operations, organizations face new challenges around ethics, compliance, and risk. This course provides a practical framework for understanding AI governance, managing risk, and aligning AI initiatives with organizational objectives.
Participants will explore the full AI lifecycle, from data management and model development to security controls and change management. The program covers proven techniques for testing AI systems, identifying vulnerabilities, and responding to incidents. It also offers guidance on planning and conducting AI-focused audits, collecting reliable evidence, and delivering clear, actionable reports.
Whether you're preparing for ISACA's AAIA certification or looking to strengthen your ability to oversee AI programs, this course equips you with the tools and knowledge to ensure transparency, accountability, and compliance in an AI-driven world.
Please note :
"The exam is not included with the course. However, the exam voucher can be purchased separately when attending the associated training"
The exam voucher is available only to GK course attendees and cannot be purchased as a standalone product

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

e-Learning

Zelfstudiecursus via internet in uw eigen tempo. E-Learning biedt u de mogelijkheid om te leren wanneer en waar u wilt. Het cursusmateriaal wordt online aangeboden, zodat het altijd en overal beschikbaar is.

Target Audience:

This course is designed for professionals responsible for auditing, governing, or managing AI systems within their organizations, including:
- **IT Auditors and Risk Professionals** seeking to expand their expertise into AI auditing.
- **AI Governance and Compliance Officers** tasked with ensuring ethical and regulatory adherence.
- **Cybersecurity and Data Privacy Specialists** who need to understand AI-specific risks and controls.
- **AI Program Managers and Project Leads** overseeing AI solution development and lifecycle management.
- **Internal and External Auditors** who perform audits on AI systems and related processes.

Ideal for individuals preparing for ISACA's **Advanced in AI Audit (AAIA)** certification or those looking to strengthen their knowledge of AI

Objectives:

- **After completing this course you should be able to:**
- Establish AI Governance and Risk Frameworks
- Assess and Manage AI Risks
- Oversee AI Operations and Development
- Apply AI-Specific Testing and Security Controls
- Conduct AI-Focused Audits

Prerequisites:

Attendees should meet the following prerequisites:

- A solid understanding of IT governance, risk management, and compliance frameworks.
- Familiarity with AI concepts and terminology, including machine learning models and data governance.
- Basic knowledge of information security and privacy principles.
- Experience with audit processes and methodologies in a

Testing and Certification

Recommended as preparation for the following exams.

- **AAIA** - ISACA Advanced in AI Audit™ (AAIA™) Certification

technology environment.
- ISACA CISA Certification (Certified Information Systems Auditor) or equivalent auditing experience.
- CISAU - CISA®, Certified Information Systems Auditor® + Oefen vragen (QAE)

Content:

Domain 1: AI Governance and Risk

AI Models, Considerations and Requirements

- Types of AI
- Machine Learning/AI Models
- Algorithms
- AI Life Cycle
- Business Considerations

AI Governance and Program Management

- AI Strategy
- AI-Related Roles and Responsibilities
- AI-Related Policies and Procedures
- AI Training and Awareness
- Program Metrics

AI Risk Management

- AI-Related Risk Identification
- Risk Assessment
- Risk Monitoring

Privacy and Data Governance Programs

- Data Governance
- Privacy Considerations

Leading Practices, Ethics, Regulations and Standards for AI

- Standards, Frameworks, and Regulations Related to AI
- Ethical Considerations?

Domain 2: AI Operations

Data Management Specific to AI

- Data Collection
- Data Classification
- Data Confidentiality
- Data Quality
- Data Balancing
- Data Scarcity
- Data Security

AI Solution Development Methologies and Lifecycle

- AI Solution Development Life Cycle
- Privacy and Security by Design

Change Management Specific to AI

- Change Management Considerations

Supervision of AI Solutions

- AI Agency

Testing Techniques for AI Solutions

- Conventional Software Testing Techniques Applied to AI Solutions
- AI-Specific Testing Techniques

Threats and Vulnerabilities Specific to AI

- Types of AI-Related Threats
- Controls for AI-Related Threats

Incident Response Management Specific to AI

- Prepare
- Identify and Report
- Assess
- Respond
- Post-Incident Review

Domain 3: AI Auditing Tools ; Techniques

Audit Planning and Design

- Identification of AI Assets
- Types of AI Controls
- AI Audit Use Cases
- Internal Training for AI Use

Audit Testing and Sampling Methodolgies

- Designing an AI Audit
- AI Audit Testing Methodologies
- AI Sampling Testing
- AI Outcomes Sample
- AI Audit Process

Audit Evidence Collection Techniques

- Data Collection
- Walkthroughs and Interviews
- AI Collection Tools

Audit Data Quality and Data Analytics

- Data Quality
- Data Analytics
- Data Reporting

AI Audit Outputs and Reports

- Reports
- Audit Follow-up
- Quality Assurance

Additional Information:

Exam Duration: ? 90 questions ? Must be completed in 2.5 hours

Further Information:

For More information, or to book your course, please call us on 030 - 60 89 444

info@globalknowledge.nl

www.globalknowledge.com/nl-nl/

Iepenhoeve 5, 3438 MR Nieuwegein