

# ISO/IEC 42001 Lead Auditor

Online Training



## Course Highlights



**40-Hour LIVE**  
Instructor-led  
Training



Placement  
Assistance



In-depth AI  
Use Cases



Get Hands-on  
with Automated  
Tool



Practice-based  
Learning



End-to-end  
Auditing



Resume  
Optimization



Extended Post  
Training  
Support



Real-time  
Simulations

## About Course

Artificial intelligence (AI) is now an essential component for many organizations, improving efficiency through automation and enhancing decision-making with advanced data analytics. Therefore, it becomes imperative for organizations to use AI responsibly and ethically. ISO/IEC 42001 helps organizations establish processes and controls to ensure responsible use and management of AI systems.

The **ISO/IEC 42001 Lead Auditor Training course** is ideal for professionals aiming to stay competitive and equip them with the knowledge and skills to effectively audit an **Artificial Intelligence Management System (AIMS)**. This course provides the expertise needed to navigate AI-influenced organizational frameworks effectively, preparing you to contribute to organizations' success in this transformative era. Practical examples from relevant case studies are integrated throughout the training, providing real-world context and enhancing learning outcomes.

### Here's what the ISO 42001 Lead Auditor Course will cover:

- ✔ Introduction to the artificial intelligence management system and ISO/IEC 42001
- ✔ Audit principles and the preparation for and initiation of an audit
- ✔ Conducting On-Site Audit Activities Based on Real-Time Simulations
- ✔ Concluding the Audit Process with Real-Time Simulations

## Course Objectives

- ✔ Gain a solid understanding of an AI management system's fundamental principles and concepts.
- ✔ Learn the specific requirements of an AI management system as outlined in ISO/IEC 42001.
- ✔ Understand fundamental audit concepts and principles related to AI management systems.
- ✔ Acquire the knowledge to prepare for and conduct an ISO/IEC 42001 audit with confidence and precision.
- ✔ Learn the procedures for successfully closing an ISO/IEC 42001 audit.
- ✔ Master the management of an ISO/IEC 42001 audit program to ensure continuous compliance and improvement.



## Target Audience

- ✓ AI Management System Auditors
- ✓ AI Audit Managers and Consultants
- ✓ AI Compliance Officers
- ✓ AI Management Expert Advisors
- ✓ Business Analysts for AI Implementation
- ✓ AI Solution Developers and Architects

## Pre-requisites

The primary prerequisite for enrolling in this training course is a foundational understanding of ISO/IEC 42001 and basic knowledge of AI principles and concepts.



## Course Content

- ✓ What is Artificial Intelligence (AI)?
- ✓ What is Machine Learning (ML)?
- ✓ The concept of data science
- ✓ AI concepts and terminologies
- ✓ How AI becomes disruptive, Gen AI and discriminative AI Regulatory stipulations, transparency needs
- ✓ Ethical use of AI
- ✓ What is the ISO/IEC 42001:2023 standard?
- ✓ Applicability of the standard
  - ✓ Benefits
  - ✓ Responsible use of AI Efficiency factors
  - ✓ Risk-based approach traceability, transparency and reliability
  - ✓ Clauses and requirements
- ✓ ISO 22989:2022 standard
- ✓ ISO/IEC 23053:2022 standard – Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)
- ✓ ISO/IEC 23894:2023 standard – Artificial intelligence – Guidance on risk management
- ✓ Case studies and exercises
- ✓ Introduction to ISO/IEC 42006:2024
- ✓ Auditing principles
- ✓ Conflict of interest

- ✓ Structural requirements
- ✓ Resource requirements for conducting AI audits
  - ✓ For application review
  - ✓ For audit report review
  - ✓ For making certification decisions
  - ✓ For making decisions on appeals
- ✓ Information requirements
  - ✓ AIMS certification documents
- ✓ Process requirements
  - ✓ Audit programme
  - ✓ Audit methodology
  - ✓ Audit time
  - ✓ Sampling
  - ✓ Combined audit
- ✓ Audit planning
  - ✓ Audit objectives
  - ✓ Audit criteria
  - ✓ Audit plan for AIMS
- ✓ Initial certification
  - ✓ Stage 1 audit
  - ✓ Stage 2 audit
- ✓ Conducting audits
  - ✓ Specific elements of AIMS audits
  - ✓ Audit reporting



- ✓ Certification maintenance
- ✓ Surveillance audits
- ✓ Recertification audits
- ✓ Special audits







## Contact us

[www.infosectrain.com](http://www.infosectrain.com)  
[sales@infosectrain.com](mailto:sales@infosectrain.com)

## Follow us on

