

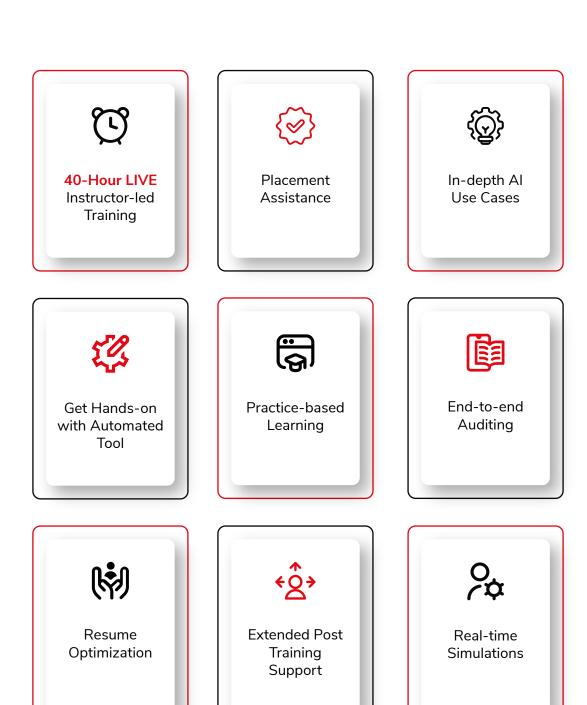
ISO/IEC 42001 Lead Auditor

Online Training





Course Highlights



www.infosectrain.com Version 2.0



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 Al-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.

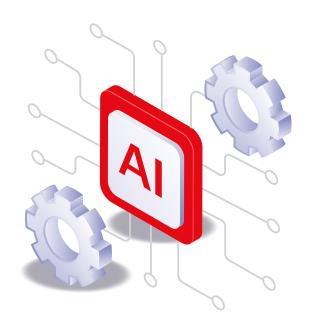
Here's what the ISO 42001 Lead Auditor Course will cover:

- 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 Al 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 Al 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 Al Management System Auditors Al Audit Managers and Consultants Al Compliance Officers Al Management Expert Advisors Business Analysts for Al Implementation Al 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 Al principles and concepts.





Course Content

- What is Artificial Intelligence (AI)?
- What is Machine Learning (ML)?
- The concept of data science
- Al concepts and terminologies
- How Al becomes disruptive, Gen Al and discriminative Al Regulatory stipulations, transparency needs
- Ethical use of Al
- What is the ISO/IEC 42001:2023 standard?
- Applicability of the standard
 - Benefits
 - Responsible use of Al 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

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- Structural requirements
- Resource requirements for conducting Al 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

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









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