ISO/IEC 42001
Lead Auditor Training Course

ISO 42001:2023 based Artificial intelligence management system (AIMS)

COURSE OVERVIEW

The rapid growth of AI has brought up many ethical, privacy, and security concerns. As a result, the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) developed a new standard, **ISO/IEC 42001.**
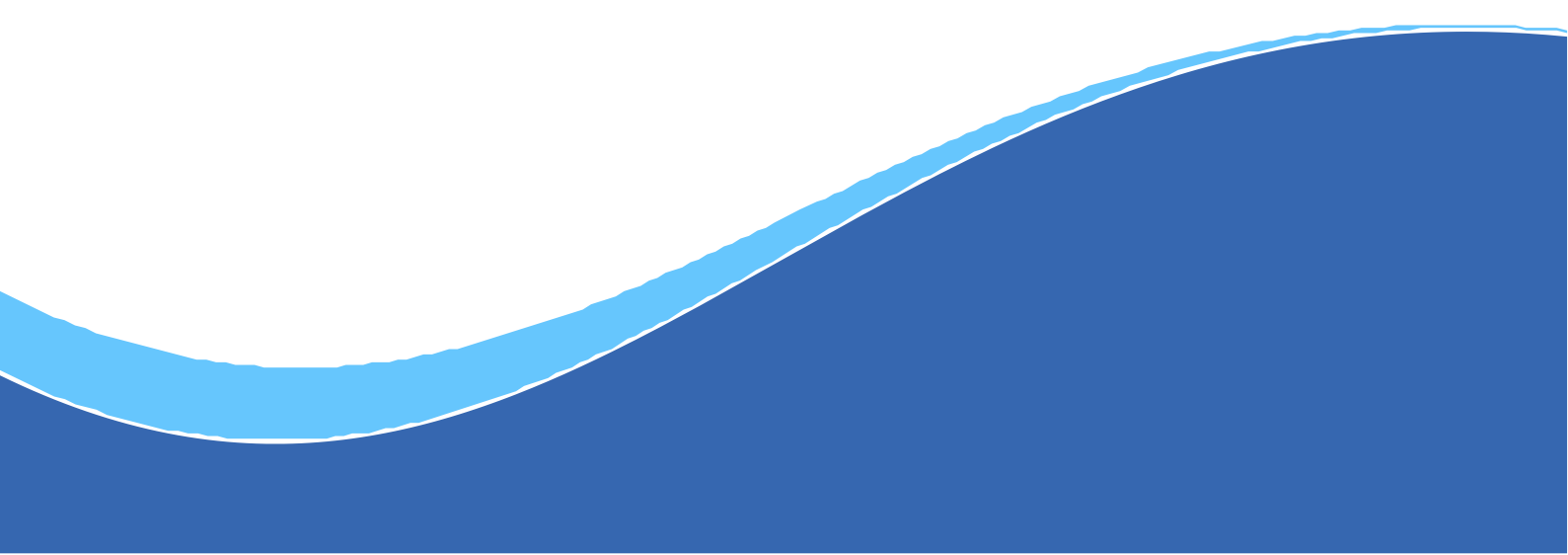
CyberlyUSA is proud to be at the forefront of emerging cybersecurity standards. With our **ISO/IEC 42001 Lead Auditor Training Course,** you can switch careers to this new cybersecurity domain and stand out.

This comprehensive course is designed for professionals seeking to master **the auditing of ISO/IEC 42001, the international standard for Artificial Intelligence Management Systems.** The ISO/IEC 42001 Lead Auditor training course equips professionals with the expertise to establish processes and controls that ensure the responsible use and management of AI systems in compliance with the ISO/IEC 42001 standard.

WHO SHOULD ATTEND

- AI professionals/practitioners, career switch enthusiasts
- Compliance officers and risk managers
- IT managers and consultants
- Quality assurance professionals
- Anyone interested in implementing an Artificial Intelligence Management System (AIMS)

COURSE OBJECTIVES

- Understand the principles and components of AI and its impact on organizations.
- Learn how to implement an AI Management System based on ISO/IEC 42001.
- Conduct AI impact and risk assessments effectively.
- Develop necessary documentation and policies for AIMS.
- Prepare for internal and external audits.
- Enhance your career in the transformative era of AI.

Topic 1: Introduction to AI Management Systems and ISO/IEC 42001

☑ **Course Overview**

- Introduction to the training program
- Objectives and structure of the course

☑ **Introduction to ISO/IEC 42001:2023**

- Background and evolution of the standard
- Key concepts and definitions

☑ **Fundamentals of Artificial Intelligence**

- Types of AI systems
- Components and architecture of AI
- Core principles guiding AI development

☑ **AI System Lifecycle**

- Phases from development to deployment and retirement
- Best practices in managing each lifecycle stage

* Highlight: Build a strong foundation in AI principles and understand how ISO/IEC 42001 standardizes AI management.

Topic 2: Organizational Context and AI Integration

☑ **Types of Organizational Relationships with AI**
- AI as a service
- AI in product development
- AI in operational processes

☑ **AIMS Context Setting**
- Identifying internal and external factors
- Stakeholder analysis and expectations
- Aligning AI initiatives with business objectives

☑ **AI Impact Assessment**
- Evaluating AI's potential effects on operations
- Ethical, legal, and societal implications
- Tools and methodologies for impact assessment

*Highlight: Learn to align AI strategies with organizational goals while assessing broader impacts.

Topic 3: AI Risk Management and Documentation

⊘ **AI Risk Assessment**
- Identifying risks associated with AI systems
- Risk analysis techniques
- Risk evaluation and prioritization

⊘ **AIMS Documentation (Policy Development)**
- Crafting AI policies and procedures
- Documentation requirements per ISO/IEC 42001
- Maintaining and controlling documents

⊘ **AIMS Implementation Strategies**
- Resource allocation and team roles
- Training and awareness programs for staff
- Change management considerations

*Highlight: Master the skills to identify and mitigate AI risks while developing robust policies.
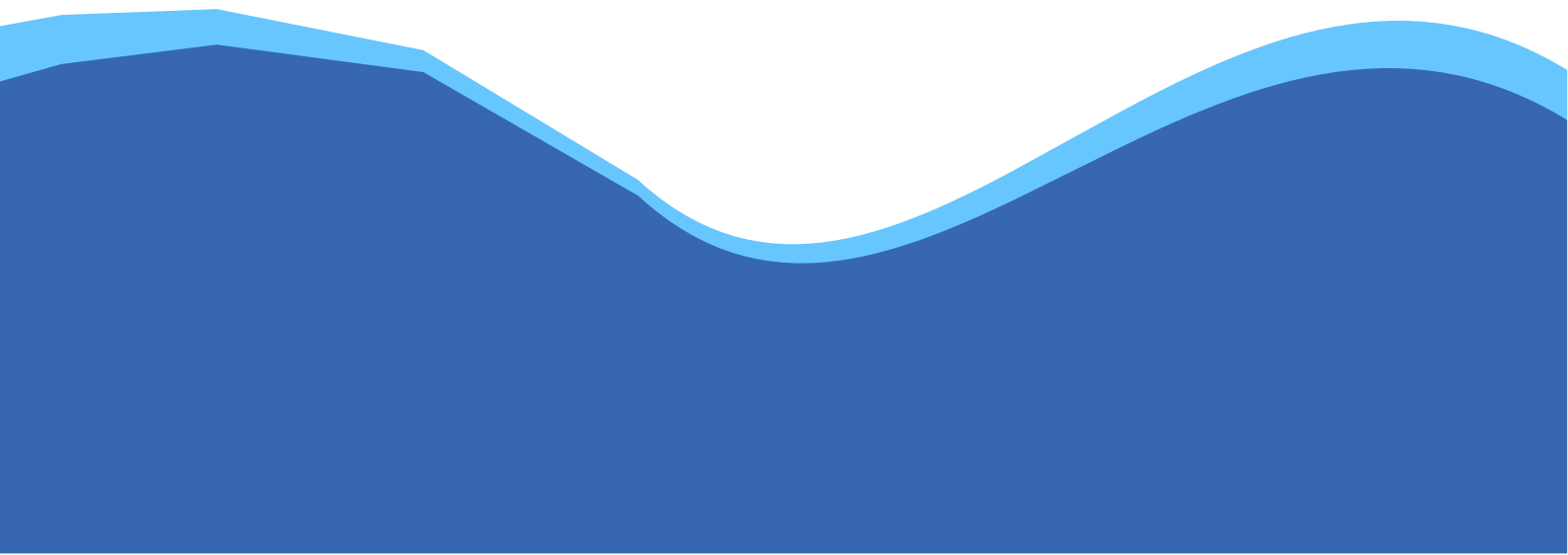
Topic 4: Auditing and Continuous Improvement

✓ Internal Audit & Management Review

- Planning and conducting internal audits
- Reporting findings and corrective actions
- Role of management in reviewing AIMS performance

✓ External Audit Preparation

- Understanding certification processes
- Engaging with external auditors
- Addressing non-conformities

✓ Continuous Improvement

- Monitoring and measuring AIMS effectiveness
- Implementing improvements based on audit results
- Keeping up to date with AI advancements and standards

*Highlight: Gain expertise in auditing AIMS and driving continuous organizational improvement by working on **Stage 1 and Stage 2 Audits | Audit Procedures | Audit Conclusions**
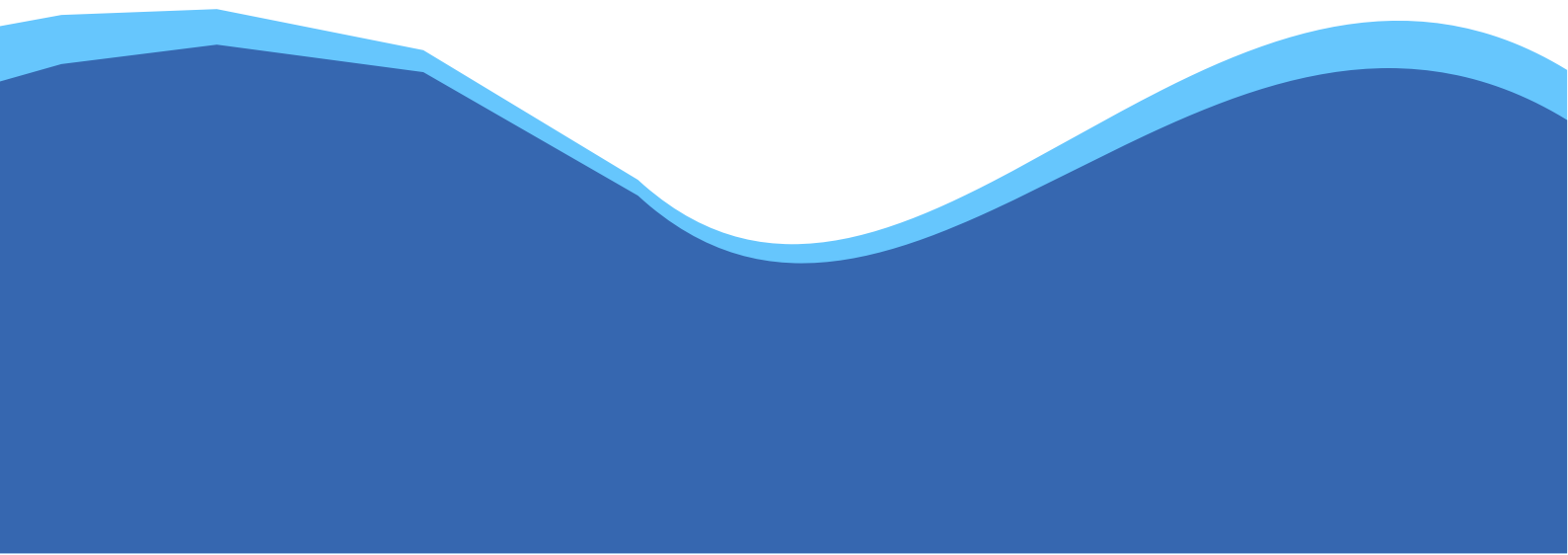
Topic 5: Certification Preparation and Practice

☑ **AIMS Implementation Review**

- Recap of the 7-step AIMS implementation process
- Group discussions and experience sharing

☑ **Certification Examination Practice**

- Sample exam questions
- Time management strategies for the exam
- Clarification of complex topics

☑ **Next Steps**

- Career opportunities as an ISO/IEC 42001 Lead Auditor
- Further professional development resources

*Highlight: Prepare thoroughly for the certification exam and advance your professional credentials.
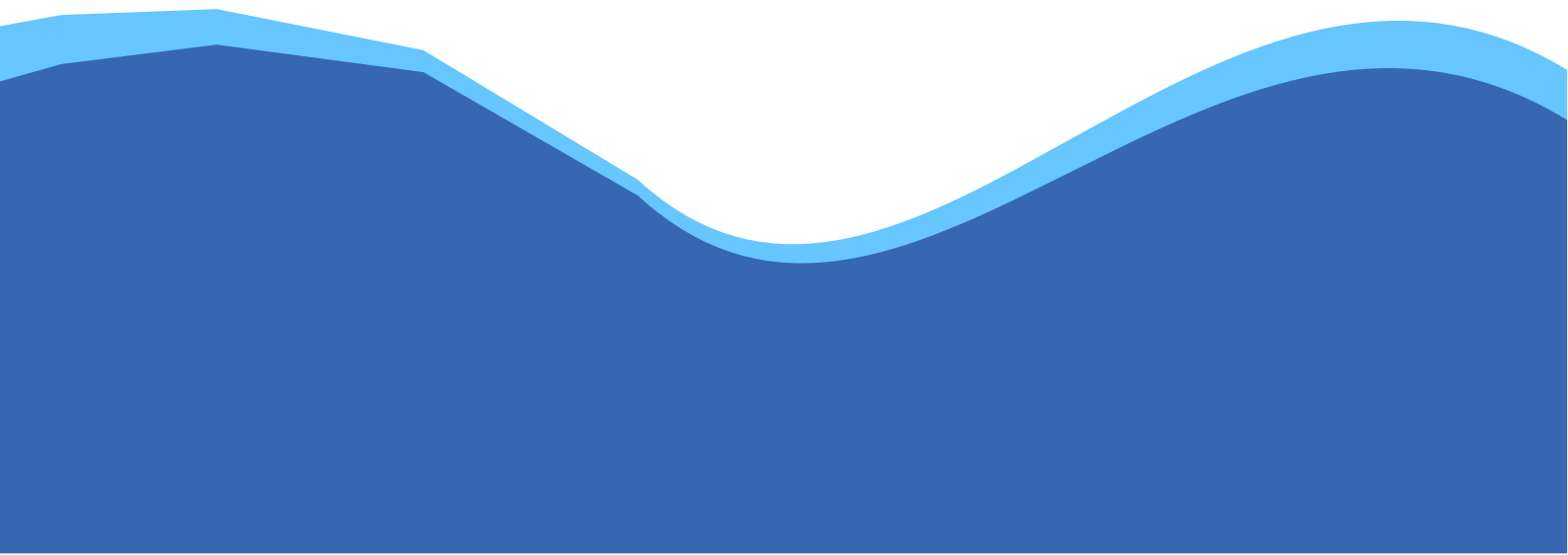
✓ Certification Examination

- A comprehensive test of your knowledge and skills in auditing AIMS per ISO/IEC 42001

✓ Certification Examination

- Stay Ahead of the Curve: Equip yourself with the latest knowledge in AI management to remain competitive in a rapidly evolving field.

- Expert Guidance: Learn from seasoned professionals with extensive experience in AI and ISO standards.

- Practical Insights: Engage in hands-on exercises and real-world case studies.

- Career Advancement: Enhance your qualifications and open doors to new professional opportunities.

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Contact Us

For more information or to register for the course:

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