



Fee

99,00 €

Final exam only

Course technical sheet

Artificial Intelligence – Training Course (fundamentals and applications)

Course code

AI_FUND_LA

Test duration

60 min

Passing score

70%

Issued

27/05/2026

Executive summary

The course "Artificial Intelligence – Training Course (fundamentals and applications)" provides a thorough overview of AI fundamentals and practical applications, emphasizing risk management, governance, and compliance with European regulations (AI Act 2024/1689). Designed for professionals aiming to master key techniques such as machine learning, large language models, privacy by design, and robustness and security methods, it includes implementation of international standards ISO/IEC 42001:2023 and 23894:2023 for AI systems. Through real-world cases and scenarios, participants learn to identify and mitigate biases, optimize models, and ensure data confidentiality and reliability, enhancing AI system security and transparency. The course puts strong focus on balancing performance with generalization and adopting best practices for risk assessment and mitigation in production environments. It equips learners with deep technical skills on algorithms, models like gradient boosting and embeddings, and advanced privacy and security solutions, preparing them to engage in complex AI projects across public and private sectors.

Certification process

- Registration or login to the Academy platform.
- Completion of the final course examination only. Any training or preparation may be completed externally or through other channels.
- The test questions refer to the objectives, skills and topics described in this technical sheet.
- Assessment of the result, possible validation and certificate issuance according to the rules applicable to the course.

Important note

On Academy, candidates take only the final course examination. Any training or preparation activity may be delivered externally or through other channels. The test questions refer to the topics described in this technical sheet and in the course syllabus summary.

Syllabus summary

ISO/IEC 42001:2023 (AI Management System) + ISO/IEC 23894:2023 (AI risk management) + Regulation (EU) 2024/1689 (AI Act) + data governance and privacy principles (GDPR EU Reg. 2016/679) + governance, risk assessment, use cases, security and compliance best practices

Learning Objectives

- Understand and apply the fundamentals of artificial intelligence.
- Grasp current European regulations and international standards.

Certification Bodies Management systems

IFZA Business Park - Building A2 - Nadd Hessa - Dubai Silicon Oasis
United Arab Emirates
Phone: +971 502475030
Email: info@certificatowz.org
VAT/Tax ID: 104216397000003

Course technical sheet

AI_FUND_LA

Page 1

Document generated automatically by Academy

Artificial Intelligence – Training Course (fundamentals and applications)

- Develop skills in AI risk management, security, privacy, and governance.

Skills Acquired

- Interpretation and implementation of ISO/IEC 42001:2023 and 23894:2023.
- Analysis and mitigation of overfitting, bias, and AI model risks.
- Development of reliable solutions based on LLM, embeddings, and decision models.

Target Audience

- IT professionals, data scientists, AI project managers.
- Compliance and digital governance experts.
- Students and consultants interested in practical AI projects.

Prerequisites

- Basic programming and statistics knowledge.
- Interest in AI topics and European regulations.

Course Content

- AI and machine learning fundamentals.
- ISO/IEC 42001 and 23894 standards.
- EU AI Act 2024/1689: impacts and applications.
- Privacy by design and GDPR.
- Case studies on overfitting, LLMs, embeddings, and security.

Teaching Method

- Online theoretical lectures.
- Real cases analyses and simulations.
- Self-assessment quizzes.

Assessment

- Final test with 70% passing score.

Duration

- 60 minutes.

Certification

- Final certificate with a fee of €99.

Expected Outcomes

- Ability to apply AI models compliant with standards and regulations.

- Improved security, reliability, and compliance in AI systems.