

Course : Introduction to AI in Azure (Microsoft AI-900)

Official AI-900T00 course, exam preparation

Practical course - 1d - 7h00 - Ref. MZA

Price : 870 € E.T.



With this training course, you'll discover the basics of artificial intelligence (AI) and the Azure services that enable you to create AI solutions. You'll learn how to recognize common AI use cases and identify suitable Azure services, without needing to be a developer or data scientist. The training combines guided sessions and online resources on Microsoft Learn, with practical exercises to deepen your knowledge at your own pace.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand the basic concepts of artificial intelligence (AI)
- ✓ Discover the main types of AI solutions (vision, language, prediction, etc.)
- ✓ Identify the Azure services needed to create these solutions
- ✓ Learn how to use Azure to implement simple AI solutions
- ✓ Recognizing the principles of responsible, ethical AI

Intended audience

Anyone interested in AI with Azure, with a grounding in computer science, simple mathematics and programming.

Prerequisites

A general understanding of computer science concepts and an interest in artificial intelligence are sufficient. No programming or AI experience is required.

Practical details

Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

Course schedule

PARTICIPANTS

Anyone interested in AI with Azure, with a grounding in computer science, simple mathematics and programming.

PREREQUISITES

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TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training. Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

1 Fundamental concepts of AI

- Introduction to AI.
- Generative AI.
- Computer vision.
- Word.
- Natural language processing.
- Data and information extraction.
- Responsible AI.

2 Basic concepts in machine learning

- Machine learning models.
- Types of machine learning models.
- Regression.
- Binary classification.
- Multiclass classification.
- Clustering (grouping/unsupervised).
- Deep learning.

Hands-on work

Explore machine learning scenarios.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

3 First steps with machine learning in Azure

- Define the problem.
- Obtain and prepare data.
- Training the model.
- Using Azure Machine Learning Studio.
- Integrate a model.

Hands-on work

Explore Machine Learning in Azure Machine Learning

4 Basic concepts in generative AI

- What is generative AI?
- How do language models work?
- Understand how transformers advance language models.
- Understand the differences between language models.
- Improve prompt results.
- Creating responsible generative AI solutions.

Hands-on work

Explore a scenario with a generative AI agent.

5 First steps with generative AI in Azure

- Understand the applications of generative AI.
- Understand the tools for developing generative AI.
- Understand the Azure AI Foundry model catalog.
- Understand the capabilities of Azure AI Foundry.
- Understanding observability.

Hands-on work

Explore generative AI in the Azure AI Foundry portal.

6 Natural language processing (NLP) concepts

- Understand how language is processed.
- Understanding statistical techniques for NLP.
- Understand semantic language models.

Hands-on work

Explore a natural language processing scenario.

7 Getting started with NLP in Azure

- Understand natural language processing on Azure.
- Understand the text analysis capabilities of Azure AI Language.
- Conversational AI capabilities of Azure AI Language.
- Azure AI Translator capabilities.
- Getting to grips with Azure AI Foundry.

Hands-on work

Analyze text in the Azure AI Foundry portal.

8 Getting started with text-to-speech in Azure

- Understand speech recognition and synthesis.
- Getting to grips with speech on Azure.
- Using Azure AI Speech.

Hands-on work

Explore speech in the Azure AI Foundry portal.

9 Fundamental concepts of computer vision

- Understanding image processing.
- Machine learning for computer vision.
- Understanding modern vision models.

Hands-on work

Explore a computer vision scenario.

10 Getting started with computer vision in Azure

- Understanding Azure AI services for computer vision.
- Understand the capabilities of Azure AI Vision Image Analysis.
- Understand the capabilities of the Azure AI Vision Fac service.
- Getting to grips with the Azure AI Foundry portal.

Hands-on work

Analyze images in the Azure AI Foundry portal.

11 AI information extraction concepts

- Understand how to extract data from images.
- Understand how to extract data from forms.
- Understand multimodal data extraction.
- Understanding data extraction for knowledge mining.

Hands-on work

Explore an information extraction scenario with AI.

12 Getting started with information extraction with Azure AI

- Azure AI services for information extraction.
- Extracting information with Azure AI Vision.
- Extract multimodal information with Azure AI Content Understanding.
- Extract information from forms with Azure AI Document Intelligence.
- Create a knowledge mining solution with Azure AI Search.

Hands-on work

Extract information.

Options

Certification : 140 € HT

Successful completion of the exam leads to certification "Microsoft Certified: Azure AI Fundamentals".

[Comment passer votre examen ?](#)

The certification option comes in the form of a voucher and practice tests that will allow you to practise and take the exam at the end of the training course.

Dates and locations

REMOTE CLASS

2026: 26 June, 18 Dec.

PARIS LA DÉFENSE

2026: 26 June, 18 Dec.