ITTcert
BY ORSYS

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.

★★★★½   4,1 / 5

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

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.

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.