

# Course : Develop AI solutions in Azure (Microsoft AI-102)

Official AI-102 course, exam preparation

*Practical course - 5d - 35h00 - Ref. AD2*

**Price : 3360 € E.T.**



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NEW

With this course, you'll develop artificial intelligence solutions in Azure, taking advantage of Azure AI Foundry and other Azure AI services. You will learn how to design generative AI applications, create intelligent agents, as well as implement solutions integrating computer vision and information extraction. The course uses C# or Python as the programming language.



## Teaching objectives

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

- ✓ Developing generative AI applications with Azure AI
- ✓ Creating and deploying intelligent agents
- ✓ Design solutions integrating computer vision
- ✓ Implement language analysis and information extraction
- ✓ Using REST APIs and Azure AI SDKs with Python or C#

## Intended audience

Software developers proficient in C# or Python, and wishing to create AI solutions with Azure AI and REST APIs.

## Prerequisites

Expérience en Python ou C#, connaissance de base d'Azure et de l'IA.

Vous recevrez par mail des informations permettant de vérifier vos prérequis avant la formation.

## Certification

Successful completion of the exam leads to certification as a "Microsoft Certified: Azure AI Engineer Associate".

[Comment passer votre examen ?](#)

## PARTICIPANTS

Software developers proficient in C# or Python, and wishing to create AI solutions with Azure AI and REST APIs.

## PREREQUISITES

Expérience en Python ou C#, connaissance de base d'Azure et de l'IA.

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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.

## Practical details

### Teaching methods

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

## Course schedule

### 1 Developing generative AI applications in Azure

- Plan and prepare the development of AI solutions on Azure.
- Choose and deploy models from the model catalog in the Azure AI Foundry portal.
- Develop an AI application with the Azure AI Foundry SDK.
- Start with prompt flow to develop language model-based applications in Azure AI Foundry.
- Develop a RAG-based solution with your own data using Azure AI Foundry.
- Fine-tune a language model with Azure AI Foundry.
- Implement a responsible generative AI solution in Azure AI Foundry.
- Evaluate the performance of generative AI in the Azure AI Foundry portal.

### 2 Developing AI agents on Azure

- Start developing AI agents on Azure.
- Developing an AI agent with Azure AI Foundry Agent Service.
- Integrate customized tools into your agent.
- Developing a multi-agent solution with Azure AI Foundry Agent Service.
- Integrate MCP tools with Azure AI agents.
- Developing an AI agent with Semantic Kernel.
- Orchestrating a multi-agent solution with Semantic Kernel.
- Discover Azure AI agents with A2A. Analyze text with Azure AI Language

### 3 Developing natural language solutions in Azure

- Analyze text with Azure AI Language.
- Create question-and-answer solutions with Azure AI Language.
- Building a model of conversational language comprehension.
- Create a customized text classification solution.
- Customized named entity recognition.
- Translate text with the Azure AI Translator service.
- Create voice applications with Azure AI services.
- Translate speech with Azure AI Speech.
- Develop an audio-driven generative application.

### 4 Developing computer vision solutions in Azure

- Analyze images.
- Read text in pictures.
- Detect, analyze and recognize faces.
- Classify images.
- Detect objects in images.
- Analyze videos.
- Develop a generative vision-based application.
- Generate images with AI.

### 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.

### 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](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.

## 5 Developing information extraction solutions with AI in Azure

- Create a multimodal analysis solution with Azure AI Content Understanding.
- Create an Azure AI Content Understanding client application.
- Use predefined Document Intelligence templates.
- Extract data from forms with Azure Document Intelligence.
- Create a knowledge search solution with Azure AI Search.

### Dates and locations

#### REMOTE CLASS

2026 : 9 Mar., 18 May, 12 Oct., 14 Dec.

#### PARIS LA DÉFENSE

2026 : 9 Mar., 18 May, 12 Oct., 14 Dec.