



## COURSE SYLLABUS

# Microsoft Certified: Azure AI Fundamentals

Prepare for exam AI-901 by learning core AI concepts and building simple generative AI, speech, vision, and extraction apps in Microsoft Foundry.

**\$695 per person, including the AI-901 exam voucher**

6 course hours (on-demand video and labs) plus 1 hour of coaching

On-demand asynchronous training with online support, plus 1 hour of coaching.

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|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Credential type</b> | Certificate, issued by We Can Code IT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clock hours</b>     | 7 (6 course hours plus 1 hour of coaching)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Price</b>           | \$695 per person, including the AI-901 exam voucher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Time</b>            | 6 course hours (on-demand video and labs) plus 1 hour of coaching                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Delivery</b>        | On-demand asynchronous training with online support, plus 1 hour of coaching.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Exam</b>            | Exam AI-901: Microsoft Azure AI Fundamentals (Microsoft Certified: Azure AI Fundamentals) (AI-901). This course prepares you for exam AI-901, and one exam attempt voucher is included. AI-901 replaced AI-900, which retired on June 30, 2026. More than half of AI-901 covers building lightweight Python apps in Foundry, so most learners need additional self-study beyond the course hours, especially if you are new to Python, along with labs in an Azure subscription and the practice assessment on AI Skills Navigator. Passing is not guaranteed. Fundamentals certifications do not expire. |
| <b>Who it is for</b>   | This course is for people starting out in AI solution development, such as junior developers, IT staff, data analysts, and technical business analysts who want a recognized foundation in Azure AI.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Prerequisites</b>   | Basic Python syntax (variables, functions, and calling a library); Familiarity with Azure resources and the Azure portal; General awareness of REST APIs, SDKs, and command-line tools                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Requirements</b>    | A modern web browser for the Azure portal and Microsoft Foundry; An Azure subscription for hands-on labs; Azure usage is paid and billed to the subscription, beyond any free credit Microsoft offers new accounts, so delete lab resources when you finish; Python installed locally, or a browser-based coding environment                                                                                                                                                                                                                                                                              |

## About this course

This course prepares you for exam AI-901, which replaced AI-900 on June 30, 2026 and is now the only exam for the Azure AI Fundamentals certification. You start with responsible AI and how generative models work, then spend more than half the course building small Python apps and a single agent in Microsoft Foundry, matching the weight Microsoft gives to hands-on work on the exam. The course follows the AI-901 skills outline published as of April 15, 2026.

## What you will be able to do

- You will be able to explain Microsoft's responsible AI principles and apply them to a proposed AI use case.
- You will be able to describe how generative AI models work and choose a model and deployment option in Microsoft Foundry.
- You will be able to identify the right AI workload for text, speech, vision, and information extraction scenarios.
- You will be able to build a simple generative AI app and a single agent in Microsoft Foundry using Python.
- You will be able to extract structured information from documents with Content Understanding.

## Syllabus

| Module                                                                                                                                                                                                                                                                                                       | Hours |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <b>1. Responsible AI principles</b><br>Fairness and reliability, Privacy and security, Inclusiveness, Transparency and accountability.<br>Lab: You review a sample AI use case and write down the responsible AI risks and safeguards it needs.                                                              | 0.5 h |
| <b>2. How generative AI models work, model choice, and deployment options</b><br>Large language models, Tokens and prompts, Model catalog in Foundry, Deployment options.<br>Lab: You compare two models from the Foundry model catalog on the same prompt and deploy the one that suits the task.           | 1 h   |
| <b>3. Common AI workloads: text, speech, vision, and information extraction</b><br>Text analysis, Speech recognition and synthesis, Image analysis, Information extraction.<br>Lab: You match a set of business scenarios to the AI workload and Azure service that solves each one.                         | 1 h   |
| <b>4. Building generative AI apps and a single agent in Microsoft Foundry</b><br>Foundry projects, Python SDK calls, System prompts and grounding, Single-agent setup.<br>Lab: You write a short Python app that calls a deployed model and then configure a single agent in Foundry that answers questions. | 1.5 h |
| <b>5. Text, speech, and vision apps in Foundry</b><br>Text apps, Speech apps, Vision apps, Calling Foundry tools from Python.<br>Lab: You build small Python scripts that transcribe speech and describe an image using Foundry tools.                                                                       | 1 h   |
| <b>6. Information extraction with Content Understanding and exam readiness</b><br>Content Understanding, Document field extraction, AI-901 exam format, Practice assessment review.<br>Lab: You extract fields from a sample invoice with Content Understanding and complete a practice assessment.          | 1 h   |
| <b>Coaching sessions</b><br>1 hour of coaching. One-on-one or small-group coaching, scheduled with your coach.                                                                                                                                                                                               | 1 h   |

Live online or in-person sessions are available for an additional fee. Email [admissions@wecancodeit.org](mailto:admissions@wecancodeit.org) for details.

## **Provider**

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