



# Develop generative AI apps in Azure AI Foundry portal (AI-3016)

## Description

### Master the Development of Generative AI Applications with Azure AI Foundry

Generative artificial intelligence is transforming the technology landscape. With powerful tools like Azure AI Foundry, the possibilities become endless for developers and AI experts. This training, titled “Develop generative AI apps in Azure AI Foundry portal (AI-3016),” provides the keys to harnessing this potential.

Throughout this comprehensive program, you will learn how to use language models, create high-performance applications, and deploy innovative solutions on the Microsoft Azure cloud. Whether you are a data scientist or an AI engineer, this course will enable you to push the limits of your projects by combining innovation and efficiency.

### Join a Cutting-Edge AI Training

Enhance your skills and learn to integrate generative AI solutions into your applications with proven techniques. Through this training, you will become an expert in using Azure AI Foundry to develop robust and innovative applications. Take the lead and be among tomorrow’s leaders in the field of artificial intelligence.

## Course Content

### Module 1: Introduction to Azure AI Foundry

- What is Azure AI Studio?
- How Azure AI Studio Works
- When to Use Azure AI Studio

### Module 2: Explore and Deploy Models from the Azure AI Foundry Model Catalog

- Explore Language Models in the Model Catalog
- Deploy a Model to an Endpoint
- Improve the Performance of a Language Model

### Module 3: Getting Started with Prompt Flows for Developing Language Model Applications in Azure AI Foundry

- Understand the Lifecycle of Large Language Model (LLM) Application Development
- Explore Key Components and Types of Flows
- Discover Connections and Runtimes
- Explore Variants and Monitoring Options

#### **Module 4: Create a RAG-Based Agent with Your Own Data Using Azure AI Foundry**

- Understand How to Ground Your Language Model
- Make Your Data Searchable
- Create a Copilot with a Prompt Flow

#### **Module 5: Fine-Tune a Language Model with Azure AI Foundry**

- Understand When to Fine-Tune a Language Model
- Prepare Your Data to Fine-Tune a Conversation Completion Model
- Explore Model Optimization in Azure AI Studio

#### **Module 6: Evaluate the Performance of Generative AI Applications with Azure AI Foundry**

- Evaluate Model Performance
- Manually Assess Model Performance Levels
- Evaluate the Performance of Your Generative AI Applications

#### **Module 7: Responsible Generative AI**

- Plan a Responsible Generative AI Solution
- Identify Potential Harms
- Measure Potential Harms
- Mitigate Potential Harms
- Operate a Responsible Generative AI Solution

#### **Lab / Exercises**

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

#### **Documentation**

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

#### **Participant profiles**

- Data Scientists
- AI Engineers
- Machine Learning Developers
- Cloud Architects
- AI Consultants
- Technology Project Managers

#### **Prerequisites**

- Understand the basics of artificial intelligence
- Familiarity with fundamental Azure cloud concepts

- Experience using Azure AI Studio

## **Objectives**

- Understand how Azure AI Foundry works
- Explore and deploy language models
- Develop applications using prompt flows
- Create agents based on your own data
- Fine-tune and optimize language models
- Evaluate the performance of generative AI applications
- Apply the principles of responsible generative AI

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## **Niveau**

Intermédiaire

## **Classroom Registration Price (CHF)**

900

## **Virtual Classroom Registration Price (CHF)**

850

## **Duration (in Days)**

1

## **Reference**

AI-3016