

**Develop Generative AI Solutions with Azure OpenAI Service (AI-050)**

**Course Number:** MOC-AI-050
**Duration:** 1 day

**Overview**

This Microsoft Official Course, Develop Generative AI Solutions with Azure OpenAI Service (AI-050), teaches attendees how to use powerful large language models (LLMs) such as GPT, the model behind the popular ChatGPT service. Students learn how these models enable Natural Language Processing (NLP) solutions to understand, converse, and generate content using REST APIs, SDKs, and Azure OpenAI Studio.

**Prerequisites**

Familiarity with Azure and the Azure portal and experience programming with C# or Python.

**Materials**

All Microsoft training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computer for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will be fine.

**Objectives**

* Provision the Azure OpenAI service, deploy models, and use the models in Generative AI applications
* Use Azure OpenAI to build solutions against AI models within Azure
* Build an Azure OpenAI Service solution
* Build apps that integrate with the Azure OpenAI Service
* Improve accuracy and relevancy in responses, optimizing the performance of the model

**Outline**

* Introduction to Azure OpenAI Service
	+ What is generative AI?
	+ Describe Azure OpenAI
	+ How to use Azure OpenAI
	+ Understand OpenAI's natural language capabilities
	+ Understand OpenAI code generation capabilities
	+ Understand OpenAI's image generation capabilities
	+ Describe Azure OpenAI's access and responsible AI policies
* Get Started with Azure OpenAI Service
	+ Access Azure OpenAI Service
	+ Use Azure OpenAI Studio
	+ Explore types of generative AI models
	+ Deploy generative AI models
	+ Use prompts to get completions from models
	+ Test models in Azure OpenAI Studio's playgrounds
* Build Natural Language Solutions with Azure OpenAI Service
	+ Integrate Azure OpenAI into your app
	+ Use Azure OpenAI REST API
	+ Use Azure OpenAI SDK
* Apply Prompt Engineering with Azure OpenAI Service
	+ Understand prompt engineering
	+ Write more effective prompts
	+ Provide context to improve accuracy
* Conclusion