

AZ-2005: Develop AI agents using Azure OpenAI and the Semantic Kernel SDK

Duration: 01 days (08 hours)

Learning objectives:

After completing this course, students will be able to:

- Build your kernel
- Create plugins for Semantic Kernel
- Give your AI agent skills
- Combine prompts with functions
- Use intelligent planners

Pre-requisite:

- Familiarity with Azure AI Services and the Azure portal.
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Module 01: Build your kernel

- Understand the purpose of Semantic Kernel
- Learn how to connect Azure Open AI to the Semantic Kernel
- Learn how to use prompts with the Semantic Kernel

Module 02: Create Plugins for Semantic Kernel

- Understand the purpose of Semantic Kernel plugins.
- Learn how to use built-in plugins.
- Learn how to create your own plugins.

Module 03: Give your AI agent skills

- Understand native functions in the Semantic Kernel SDK
- Learn how to create plugins using native functions
- Use custom plugins to perform unique tasks

Module 04: Combine prompts with functions

- Practice creating custom prompts and functions
- Combine prompts with functions to extend code

Module 05: Use intelligent planners

- Understand planners in the Semantic Kernel SDK.
- Learn how to use planners to automate function calls.
- Learn how to optimize planners.
- Learn how to use Semantic Kernel SDK to automatically invoke functions.