AZ-2005 Develop Generative AI solutions using Azure OpenAI and the Semantic Kernel SDK

Category: AI, Data & Analytics | **Vendor:** Microsoft

Rating: ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Develop generative AI solutions using Azure OpenAI and Semantic Kernel
Related Exam:	AZ-2005

Course Overview

Learn how to use the Semantic Kernel SDK to build intelligent applications that automate tasks and perform natural language processing.

About This Course

Learn how to use the Semantic Kernel SDK to build intelligent applications that automate tasks and perform natural language processing.

Prerequisites & Entry Requirements

General Prerequisites:

- Experience programming in C#.
- Visual Studio Code IDE installed.
- Familiarity with Azure and the Azure portal.
- Access to Azure OpenAI Services.

Detailed Course Outline

1 - Build your kernel

- What is semantic kernel
- Why use semantic kernel
- How to build your kernel

2 - Create plugins for semantic kernel

- Explore built-in plugins
- Optimize language model prompts
- Save prompts to files

3 - Give your AI agent skills

- Understand native functions

4 - Combine Prompts and Functions

- Use functions in prompts

5 - Use intelligent planners

- Learn about AI planners
- How to use a planner
- Optimize your planners
- Automatically invoke functions

6 - Guided project - Create an AI travel agent

□□ Certification Path

Microsoft Applied Skills: Develop generative AI solutions using Azure OpenAI and Semantic Kernel

Exam: AZ-2005

Frequently Asked Questions

Q: What delivery options are available for AZ-2005 Develop Generative AI solutions using Azure OpenAI and the Semantic Kernel SDK?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AZ-2005 Develop Generative AI solutions using Azure OpenAI and the Semantic Kernel SDK course helps prepare you for the Microsoft Applied Skills: Develop generative AI solutions using Azure OpenAI and Semantic Kernel certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-2005 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: Do you provide corporate training for AZ-2005 Develop Generative AI solutions using Azure OpenAI and the Semantic Kernel SDK?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-2005 Develop Generative AI solutions using Azure OpenAI and the Semantic Kernel SDK. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for AZ-2005 Develop Generative AI solutions using Azure OpenAI and the Semantic Kernel SDK?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AZ-2005 Develop Generative AI solutions using Azure OpenAI and the Semantic Kernel SDK training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 14/11/2026.