

Agentic AI on Microsoft

Course Outcomes:

- Understand the fundamentals of Generative AI and Agentic AI concepts
- Explain key components of agentic systems (tools, actions, memory, orchestration)
- Understand how the Azure AI Foundry ecosystem works (Hub, Projects, Model Catalog)

1. Introduction to Generative AI

1.1 What is Generative AI

1.2 Evolution from Traditional AI to Agentic AI

1.3 Key Concepts: LLMs, Prompting, Tools, Actions, Orchestration

1.4 Real-world Use Cases of Agentic AI

2. Microsoft Azure AI Foundry Overview

2.1 What is Azure AI Foundry

2.2 Comparison: Hub vs. Foundry Projects

3. Fundamentals of Building AI Agents

3.1 What Is an AI Agent?

3.2 Components (Memory, Reasoning, Tools, Orchestration)

3.3 Retrieval, Grounding, Tool Invocation

4. Building Agents with No-Code (Copilot Studio)

4.1 Introduction to Copilot Studio

4.2 Creating Topics, Intents, Actions

5. Building Agents in Azure AI Foundry

5.1 Adding Tools & APIs

5.2 Using Model Catalog & Connections

7. Final Quiz & Knowledge Check

8.1 Multiple-choice Quiz