Design and build integrated AI agent solutions in Copilot Studio

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

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In this course, you learn how to design, build, and manage production-ready AI agent solutions using Microsoft Copilot Studio—with a focus on building agents that integrate across systems and operate reliably at enterprise scale. You'll go beyond creating standalone agents and learn how to deliver end-to-end solutions that automate real business processes, connect to enterprise data, and take meaningful action across platforms. Throughout the course, you'll apply best practices for integration, governance, security, and responsible AI, so your agents are ready for real-world deployment.

About This Course

Design agent conversations and responses using topics in Microsoft Copilot Studio

- Deliver rich agent responses using Adaptive Cards in Microsoft Copilot Studio
- Take action from agent conversations using topics and tools in Microsoft Copilot Studio
- Generate AI-powered agent responses using generative answers in Microsoft Copilot Studio

Design and build multi-agent solutions in Microsoft Copilot Studio

- Design multi-agent solutions in Microsoft Copilot Studio
- Delegate agent tasks using child agents in Copilot Studio
- Build multi-agent solutions using connected agents in Copilot Studio
- Build cross-platform multi-agent solutions using the Agent2Agent protocol in Microsoft Copilot Studio

Integrate agents with enterprise systems in Microsoft Copilot Studio

- Design integration strategies for agents in Microsoft Copilot Studio
- Take action in external systems using connector and REST API agent tools in Microsoft Copilot Studio
- Ground agents with enterprise knowledge using connectors and Azure AI Search in Microsoft Copilot Studio
- Integrate agents with external systems via MCP in Microsoft Copilot Studio

Who Should Attend

This course is designed for advanced builders and professional developers who want to design, extend, and integrate Copilot Studio agents. Your goal is to automate real business processes by connecting agents to enterprise data, systems, and services—while applying sound design, security, governance, and responsible AI practices. You should already have hands-on experience building agents in Copilot Studio, an intermediate understanding of generative AI concepts, proficiency working with REST APIs, and familiarity with the broader Microsoft cloud platform.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

By the end of this course, you'll be able to:

- Design Copilot Studio agents that integrate with enterprise systems and data using connectors, APIs, Azure AI Search, and Model Context Protocol (MCP)
- Build and orchestrate advanced workflows and multi-agent solutions
- Automate complex scenarios, including human-in-the-loop and computer-use workflows
- Apply identity, security, governance, and responsible AI considerations during solution design and implementation
- Test, monitor, and manage agents as enterprise-grade solutions

Detailed Course Outline

Design agent conversations and responses using topics in Microsoft Copilot Studio

Deliver rich agent responses using Adaptive Cards

Take action from agent conversations using topics and tools

Generate AI-powered agent responses using generative answers

Design and build multi-agent solutions in Microsoft Copilot Studio

Design multi-agent solutions

Delegate agent tasks using child agents

Build multi-agent solutions using connected agents

Build cross-platform multi-agent solutions using the Agent2Agent protocol

Integrate agents with enterprise systems in Microsoft Copilot Studio

Design integration strategies

Take action in external systems using connector and REST API agent tools

Ground agents with enterprise knowledge using connectors and Azure AI Search

Integrate agents with external systems via MCP

Skills You Will Learn:

By the end of this course, you'll be able to:

- Design Copilot Studio agents that integrate with enterprise systems and data using connectors, APIs, Azure AI Search, and Model Context Protocol (MCP)
- Build and orchestrate advanced workflows and multi-agent solutions
- Automate complex scenarios, including human-in-the-loop and computer-use workflows
- Apply identity, security, governance, and responsible AI considerations during solution design and implementation
- Test, monitor, and manage agents as enterprise-grade solutions

Frequently Asked Questions

Q: What delivery options are available for Design and build integrated AI agent solutions in Copilot Studio?

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: How many CPD hours does this course provide?

The 3-day Design and build integrated AI agent solutions in Copilot Studio course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Design and build integrated AI agent solutions in Copilot Studio training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Design and build integrated AI agent solutions in Copilot Studio?

Yes, we provide corporate training, dedicated training, and closed classes for Design and build integrated AI agent solutions in Copilot Studio. 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: What related terms do people search for?

Popular related searches include: Design and build integrated AI agent solutions in Copilot Studio, AI, Copilot, Power BI & Data Analytics, AB-620T00

Q: Why choose Nexus Human for Design and build integrated AI agent solutions in Copilot Studio?

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 Design and build integrated AI agent solutions in Copilot Studio training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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