

DESIGN AND BUILD INTEGRATED AI AGENT SOLUTIONS IN COPILOT STUDIO (AB-620)

Course Code: 834133

Design, build, and deploy production-ready AI agents in Copilot Studio with enterprise integrations and real-world workflows.

This course, focuses on building production-ready AI agents that go beyond simple prompts to deliver real business value. The course equips developers and advanced builders with the skills to design, integrate, test, and manage enterprise-grade agents using Microsoft Copilot Studio, with support for Azure, Microsoft Foundry, multi-agent design patterns, workflow automation, and secure enterprise integrations. Learners gain hands-on experience creating scalable, governed AI agents that can be deployed confidently in real-world organisational environments.

What You'll Learn

- 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

Who Needs to 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.

Prerequisites

- Hands-on experience building or extending AI agents, preferably using Microsoft Copilot Studio, in real or simulated enterprise scenarios.
- Working knowledge of Microsoft Power Platform components, including Power

Fx, Dataverse, and environment management.

- Intermediate understanding of generative AI concepts, such as models, orchestration, and retrieval-augmented generation (RAG).
- Experience with integration patterns, including REST APIs, connectors, and enterprise system integration.

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CLASSROOM LIVE

\$2,295 CAD

3 Day

Classroom Live Outline

Module 1: 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

Module 2: 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

Module 3: 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

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VIRTUAL CLASSROOM LIVE

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Virtual Classroom Live Outline

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Jul 6 - 8, 2026 | 9:00 AM - 5:00 PM EDT

Sep 21 - 23, 2026 | 12:00 - 8:00 PM EDT

Oct 5 - 7, 2026 | 9:00 AM - 5:00 PM EDT

Dec 14 - 16, 2026 | 9:00 AM - 5:00 PM EST

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