



MICROSOFT TRAINING

Build Copilot App Azure Course

Learn to develop AI-powered Copilot applications using Microsoft Azure services. Master building intelligent, responsive digital assistants.

DURATION

16 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level "Build Copilot App Azure Course" from Microsoft is designed to equip developers and solution architects with the essential skills to design, develop, and deploy intelligent AI copilots on the Microsoft Azure platform. Over 16 intensive hours, participants will delve into the powerful capabilities of Azure AI services, including Azure OpenAI, mastering prompt engineering, integrating with Microsoft 365 and the Power Platform, and leveraging frameworks like Semantic Kernel. This course emphasizes practical application, guiding you through real-world scenarios to build conversational AI agents that enhance productivity and streamline business processes. By completing this certification, you will gain a profound understanding of how to transform complex data into actionable insights and automate repetitive tasks using AI-driven solutions. You'll learn to architect, build, and deploy custom copilots that interact naturally with users, access and process organizational data securely via Microsoft Graph, and extend existing Microsoft applications. This expertise positions you at the forefront of AI innovation, enabling you to create transformative digital experiences and drive significant value within your organization and for your clients.

Duration	16 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to AI Copilots and Azure AI Foundations

- Understanding the Copilot Paradigm and its Business Impact
- Overview of Azure AI Services for Copilot Development
- Introduction to Large Language Models (LLMs) and Generative AI
- Setting up your Azure AI Development Environment

02 Module 2: Prompt Engineering and Azure OpenAI Service

- Principles of Effective Prompt Engineering for LLMs
- Working with Azure OpenAI Models (GPT-3.5, GPT-4)
- Fine-tuning Prompts for Specific Tasks and Use Cases
- Managing Costs and Quotas with Azure OpenAI

03 Module 3: Integrating Copilots with Microsoft Ecosystems

- Leveraging Microsoft Graph for Data Access and Context
- Extending Microsoft 365 Applications with Custom Copilots
- Integrating Copilots into Power Platform Solutions (Power Apps, Power Automate)
- Authentication and Authorization Best Practices for Microsoft Services

04 Module 4: Building with Semantic Kernel SDK

- Introduction to Semantic Kernel: Concepts and Architecture
- Developing AI Plugins and Connectors with Semantic Kernel
- Orchestrating Complex Workflows and Multi-Turn Conversations
- Handling Memory and Context in Copilot Applications

05 Module 5: Advanced Copilot Development and Deployment

- Incorporating Custom Data with Azure AI Search and RAG (Retrieval Augmented Generation)
- Building Conversational Interfaces with Azure Bot Service
- Deployment Strategies for Azure-based Copilots

- Monitoring, Logging, and Performance Optimization

06 Module 6: Responsible AI and Security in Copilot Apps

- Principles of Responsible AI in Copilot Design
- Data Privacy and Security Considerations for AI Applications
- Mitigating Bias and Ensuring Fairness in LLM Interactions
- Compliance and Governance for Enterprise AI Solutions

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **AI Solutions Architect specializing in Microsoft Azure**
- > **Microsoft 365 & Power Platform Developer with AI Integration Expertise**
- > **Enterprise AI Application Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What specific technical prerequisites are necessary to get the most out of this "Build Copilot App Azure Course"?

While this is an intermediate-level course, participants should have foundational knowledge of cloud concepts (preferably Azure), basic programming skills (C# or Python recommended for Semantic Kernel examples), and familiarity with REST APIs. Prior experience with Azure AI services or Microsoft 365 development is beneficial but not strictly required.

Q: How will this course enable me to build truly custom Copilot solutions, distinct from using pre-built AI features within Microsoft products?

This course focuses on developing custom Copilot applications tailored to unique business needs, leveraging the full power of Azure AI services, Azure OpenAI, and frameworks like Semantic Kernel. Unlike simply configuring existing Copilot functionalities in Power Platform or Microsoft 365, you will learn to design, code, and integrate AI components from the ground up, providing much greater flexibility, control over data, and the ability to extend capabilities far beyond out-of-the-box offerings.

Q: What kind of real-world problems will I be able to solve or applications will I be capable of building after completing this course?

Upon completion, you'll be able to build a diverse range of intelligent applications. Examples include enterprise-grade knowledge retrieval systems that answer questions from internal documents, AI assistants that automate tasks within Microsoft Teams or Outlook, intelligent chatbots for customer service or HR, and custom Power Apps with advanced conversational AI capabilities that streamline business workflows and enhance user interaction.

ABOUT COMPUTER PRIDE

**computerpride*****East Africa's Premier IT Training Center***

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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