

AB-410T00- Build intelligent applications

Overview

Course Duration: 3 Days

About This Course

This course teaches learners how to design and build intelligent applications on the Microsoft Power Platform by using AI, copilots, and agents to solve real business problems. Learners explore how Power Apps, Power Automate, Power Pages, Copilot Studio, and AI-enabled capabilities work together to create agent-first, AI-enhanced solutions that improve productivity, decision-making, and user experience.

Audience Profile

This course is designed for individuals who want to learn how to build intelligent applications using the Microsoft Power Platform and are new to using AI, copilots, and agents in solution design. It is ideal for learners with a general understanding of business processes or app building who want to develop the skills to analyze requirements, select appropriate Power Platform components, and create AI-enhanced solutions. The course introduces how AI and agents can improve application behavior, automation, and user experience, while also building awareness of governance and responsible use as learners begin their journey into intelligent app development.

Course Outline

Module 1: Get started with AI-first solutions in Microsoft Power Platform

Before you build, you need to think like an AI-first maker. This learning path establishes the mindset, language, and tools you need to approach Power Platform solutions intelligently. You explore AI-first design patterns and learn how Copilot capabilities shape modern solution architecture. You develop your prompt engineering skills to work effectively with generative AI tools. Then you put those skills into practice with AI-powered Plans, which help you translate a business idea directly into a structured solution blueprint — so you can move from concept to implementation with confidence.

- Design AI-powered business solutions with Microsoft Power Platform
- Create effective prompts for generative AI training tools
- Turn business ideas into Power Platform solutions with Plans

Module 2: Build your data model with Microsoft Dataverse

Every intelligent app solution needs a solid data foundation. This learning path teaches you how to design and build that foundation in Microsoft Dataverse. You start by understanding how Dataverse works — its tables, columns, relationships, and built-in capabilities. You then model your business data by creating and configuring tables and columns to match your organization's needs. With your data structure in place, you apply security roles to control who can see and do what. Finally, you encode your business logic directly into the data layer using business rules - ensuring data integrity and consistency without writing code.

- Create tables in Dataverse
- Create and manage columns within a table in Dataverse
- Get started with security roles in Dataverse

Module 3: Build intelligent apps and portals with Microsoft Power Apps

With your data model in place, it's time to build the experiences your users interact with. This learning path takes you from first canvas app to a fully configured model-driven app and a data-connected Power Pages portal - giving you the full range of Power Apps surfaces for any audience or scenario. Whether you're

building an internal tool, a structured business app, or a public-facing website, every app you build here is designed to surface intelligent, Dataverse-backed data.

- Get started with Power Apps canvas apps
- Customize a canvas app in Power Apps
- Publish, share, and maintain a canvas app
- Get started with model-driven apps in Power Apps
- Configure forms, charts, and dashboards in model-driven apps
- Core components of Power Pages
- Get started with Power Apps canvas apps

Module 4: Automate and extend your solutions with AI in Microsoft Power Automate

The best solutions do the routine work, so your people don't have to. This learning path equips you to wire your Power Platform solutions with intelligent automation using Microsoft Power Automate. You create cloud flows that react to events, use Dataverse triggers and actions to connect automation directly to your data model, and build approval flows that route decisions to the right people at the right time. The learning path closes by adding a layer of generative AI — using AI Builder grounded prompts to query your own Dataverse data in natural language and surface intelligent responses inside your apps and flows.

- Get started with Power Automate
- Use Dataverse triggers and actions in Power Automate
- Build approval flows with Power Automate
- Create AI Builder prompts using your own Dataverse data

Prerequisites

- Basic familiarity with Microsoft Power Platform
- Completion of the Get started with AI-first solutions in Microsoft Power Platform learning path, or equivalent experience with Microsoft Power Platform
- Access to a Power Apps environment with a Dataverse database
- Completion of the Design AI-first solutions with Microsoft Power Platform learning path, or equivalent experience with Dataverse tables and columns
- Completion of the Build your data model with Microsoft Dataverse learning path, or equivalent experience with Dataverse
- A Power Automate account