



## TRAINING OFFERING

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# PL-400T00: Microsoft Power Platform Developer

CODE:	LENGTH:	PRICE:
MCS_PL-400T00	5 day(s)	£2,895.00

## Description

The Microsoft Power Platform helps organizations optimize their operations by simplifying, automating and transforming business tasks and processes. In this course, students will learn how to build Power Apps, Automate Flows and extend the platform to complete business requirements and solve complex business problems.

## Objectives

- Create a technical design
- Configure Common Data Service
- Create and configure Power Apps
- Configure business process automation
- Extend the user experience
- Extend the platform
- Develop Integrations

## Audience

Candidates for this course design, develop, secure, and troubleshoot Power Platform solutions. Candidates implement components of a solution that include application enhancements, custom user experience, system integrations, data conversions, custom process automation, and custom visualizations. Candidates will gain applied knowledge of Power Platform services, including in-depth understanding of capabilities, boundaries, and constraints. Candidates should have development experience that includes JavaScript, JSON, TypeScript, C#, HTML, .NET, Microsoft Azure, Microsoft 365, RESTful Web Services, ASP.NET, and Power BI.

## Prerequisites

- Candidates should have an introductory knowledge of Power Platform
- Candidates should have development experience that includes JavaScript, JSON, TypeScript, C#, HTML, .NET, Microsoft Azure, Microsoft 365, RESTful Web Services, ASP.NET, and Power BI

## Programme

Module 1: Create a model-driven application in Power Apps

This module introduces you to creating a model-driven app in Power Apps that uses Common Data Service. Lessons

Introduction to model-driven apps and Common Data Service Get started with model-driven apps in Power Apps

Create and manage entities in Common Data Service Create and manage fields within an entity in Common Data Service

Working with option sets in Common Data Service Create a relationship between entities in Common Data Service

Define and create business rules in Common Data Service Create and define calculation or rollup fields in Common Data Service

Get started with security roles in Common Data Service Module 2: Create a canvas app in Power Apps

This module introduces you to Power Apps, helps you create and customize an app, and then manage and distribute it. It will also show you how to provide the best app navigation, and build the best UI using themes, icons, images, personalization, different form factors, and controls.

Lessons Get started with Power Apps Customize a canvas app in Power Apps Manage apps in Power Apps

Navigation in a canvas app in Power Apps How to build the UI in a canvas app in Power Apps

Use and understand Controls in a canvas app in Power Apps Document and test your Power Apps application

Module 3: Master advance techniques and data options in canvas apps

This module will help you use advanced formulas, perform custom updates, performance checks and testing. It will also help you to improve user's experience, use custom connectors and focus on working with data source limits.

Lessons Use imperative development techniques for canvas apps in Power Apps

Author an advanced formula that uses tables, records, and collections in a canvas app in Power Apps

Perform custom updates in a Power Apps canvas app Complete testing and performance checks in a Power Apps canvas app

Work with relational data in a Power Apps canvas app Work with data source limits (delegation limits) in a Power Apps canvas app

Connecting to other data in a Power Apps canvas app Use custom connectors in a Power Apps canvas app

Module 4: Automate a business process using Power Automate

This module introduces you to Power Automate, teaches you how to build workflows, and how to administer flows. Lessons

Get started with Power Automate Build more complex flows with Power Automate

Introduction to business process flows in Power Automate Create an immersive business process flow in Power Automate

Understand advanced business process flow concepts in Power Automate Introduction to expressions in Power Automate

Module 5: Introduction to developing with Power Platform

This module is the first step in learning about platform, tools, and the ecosystem of the Power Platform Lessons

Introduction to Power Platform developer resources Use developer tools to extend the Power Platform

Introduction to extending the Microsoft Power Platform Module 6: Extending the Power Platform Common Data Service

This module looks at the tools and resources needed for extending the Power Platform. We'll start with looking at the SDKs, the extensibility model, and event framework. This learning path also covers when to use plug-ins. Configuration of plug-ins as well as registering and deploying plug-ins.

Lessons Introduction to Common Data Service for developers Extend plug-ins

Module 7: Extending the Power Platform user experience Model Driven apps

This module describes how to create client scripting, perform common actions with client script, and automate business process flow with client scrip. Learn about what client script can do, rules, and maintaining scripts. Discover when to use client script as well as when not to use client script.

Lessons Introduction to web resources Performing common actions with client script

Automate business process flows with client script Module 8: Create components with Power Apps Component Framework

This module describes how to get started with Power Apps Component Framework with an introductory module on the core concepts and components. Then it shows you how to build a component and work with advanced Power Apps Component Framework features.

Lessons Get started with Power Apps component framework Build a Power Apps component

Use advanced features with Power Apps component framework Module 9: Extend Power Apps portals

This module describes how to transform a content portal into a full web app interacting with Common Data Service. We will also cover the options available to customizers and developers to extend the portal functionality and integrate with Office 365, Power Platform, and Azure components.

Lessons Introduction to Power Apps portals Access Common Data Service in Power Apps portals Extend Power Apps portals

Build custom Power Apps portals web templates Module 10: Integrate with Power Platform and Common Data Service

This module describes how to integrate with Common Data Service using code by learning about Common Data Service API. Get an in-depth overview of options available with Common Data Service to integrate data and events to Azure.

Lessons Work with Common Data Service Web API Integrate Common Data Service Azure solutions

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
23 Jan 2023	Virtual Classroom	GMT	English	Instructor Led Online		£2,895.00
27 Feb 2023	Virtual Classroom	GMT	English	Instructor Led Online		£2,895.00
27 Mar 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,895.00
17 Apr 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,895.00
22 May 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,895.00
19 Jun 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,895.00
24 Jul 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,895.00
21 Aug 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,895.00
18 Sep 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,895.00
30 Oct 2023	Virtual Classroom	GMT	English	Instructor Led Online		£2,895.00
27 Nov 2023	Virtual Classroom	GMT	English	Instructor Led Online		£2,895.00

## Additional Information

This training is also available as onsite training. Please contact us to find out more.