

# PL 400– Microsoft Power Platform Developer



**Days:** 5

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

**Audience:** In this course you will learn to build solutions using Visual Studio and Visual Studio Code that include the following: Microsoft Power Platform services, JavaScript, JSON, TypeScript, C#, HTML, RESTful Web APIs, and Microsoft Azure. As a training attendee you must have previous software developer experience using code techniques with modern programming languages such as C# and JavaScript. You must also have a foundational understanding of Microsoft Power Platform and have hands-on experience with the following:

- Developing a data model in Microsoft Dataverse
- Creating tables, columns, and relationships in Microsoft Dataverse
- Building Power Apps canvas apps
- Building Power Apps model-driven apps
- Building Power Automate cloud flows

**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 design, develop, test, and troubleshoot solution components that use the extension points of Microsoft Power Platform. You use traditional code to solve challenges not appropriate with low-code.

## OUTLINE:

**LESSON 1- USE ADVANCE TECHNIQUES IN CANVAS APPS TO PERFORM CUSTOM UPDATES AND OPTIMIZATION**

**LESSON 2- AUTOMATE A BUSINESS PROCESS WITH EXPRESSIONS AND DATAVERSE ACTIONS USING POWER AUTOMATE**

**LESSON 3- INTRODUCTION TO DEVELOPING WITH MICROSOFT POWER PLATFORM**

**LESSON 4- EXTEND THE USER EXPERIENCE WITH CLIENT SCRIPTING AND COMMAND BAR CUSTOMIZATION**

**LESSON 5- BUILD BASIC CODE COMPONENTS WITH THE POWER APPS COMPONENT FRAMEWORK**

**LESSON 6- EXTENDING POWER PLATFORM DATAVERSE**

**LESSON 7- INTEGRATE WITH DATAVERSE AND AZURE**

**LESSON 8- GET STARTED WITH CUSTOM CONNECTORS FOR MICROSOFT POWER PLATFORM**

**LESSON 9- BASIC APPLICATION LIFECYCLE MANAGEMENT IN MICROSOFT POWER PLATFORM**