

# Course : Microsoft Power Platform Developer (Microsoft PL-400)

Official PL-400 course, exam preparation

**Practical course - 5d - 35h00 - Ref. MCW**

**Price : 3440 € E.T.**

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With this course, you'll learn how to design, develop, test and troubleshoot solutions on Microsoft Power Platform. You'll use traditional code to solve complex requirements not suited to low-code. You'll discover the platform's various extension points. Microsoft Power Platform will help you automate and transform your business processes.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Design, develop, secure and extend solutions on Microsoft Power Platform.
- ✓ Create and customize Power Apps (canvas and template-driven).
- ✓ Develop automated workflows with Power Automate.
- ✓ Integrate and manipulate data via Microsoft Dataverse.
- ✓ Use JavaScript, TypeScript, C#, JSON and REST APIs to extend functionality.
- ✓ Connect Power Platform to external services and Microsoft Azure.

## Intended audience

Experienced C# and JavaScript developers with previous experience of Microsoft Power Platform, Dataverse, Power Apps and Power Automate.

## Prerequisites

Experience in software development (C#, JavaScript, etc.) and good knowledge of Microsoft Power Platform functionalities.

## Practical details

### Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

### PARTICIPANTS

Experienced C# and JavaScript developers with previous experience of Microsoft Power Platform, Dataverse, Power Apps and Power Automate.

### PREREQUISITES

Experience in software development (C#, JavaScript, etc.) and good knowledge of Microsoft Power Platform functionalities.

### TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

### ASSESSMENT TERMS

Assessment of targeted skills prior to training.  
Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## Course schedule

### 1 Optimize and customize canvas applications with advanced techniques

- Apply imperative development techniques in Power Apps.
- Perform customized updates in a Power Apps canvas application.
- Use Dataverse choice columns with formulas.
- Reduce data model complexity with Dataverse table relationships.
- Manage relational data in a Power Apps canvas application.
- Working with data source limits (delegation limitations) in Power Apps.
- Perform tests and performance checks in a Power Apps canvas application.
- Optimize application loading time.
- Use Monitor to troubleshoot Power Apps.
- Using Power Apps instrumentation with Application Insights.

### 2 Automate a business process with Dataverse and Power Automate.

- Discover the basics of Power Automate.
- Introduce expressions in Power Automate.
- Use Dataverse triggers and actions in Power Automate.

### 3 Introduction to development with Microsoft Power Platform

- Discover Power Platform developer resources.
- Use development tools to extend the platform.
- Introduction to Power Platform extension.

### 4 Enhance user experience with customer script and command bar.

- Perform common client scripting actions in Power Platform.
- Automate business process flows with client scripting.
- Customize the command bar.

### 5 Create basic components with the Power Apps Component Framework.

- Discover the Power Apps component framework.
- Create a Power Apps component.

## Options

### Certification : 200 € HT

Successful completion of the PL-400 exam leads to certification as a "Microsoft Certified: Power Platform Developer Associate".

### [Comment passer votre examen ?](#)

The certification option comes in the form of a voucher and practice tests that will allow you to practise and take the exam at the end of the training course.

## Dates and locations

### REMOTE CLASS

2026 : 16 Mar., 15 June, 28 Sep., 7 Dec.

## TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.