

# DESIGN AND MANAGE ANALYTICS SOLUTIONS USING POWER BI (PL-300)

Course Code: 821510

This course covers the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI.

The course will show how to access and process data from a range of data sources including both relational and non-relational sources. Finally, this course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution.

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## Who Needs to Attend

The audience for this course are data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI. This course is also targeted toward those individuals who develop reports that visualize data from the data platform technologies that exist on both in the cloud and on-premises.

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CLASSROOM LIVE

\$2,095 CAD

3 Day

## Classroom Live Outline

### **Module 1 : Get started with Microsoft data analytics- Discover data analysis**

- Get started building with Power BI
- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with Copilot in Power BI

### **Module 2 : Prepare data for analysis with Power BI-Get data in Power BI**

- Clean, transform, and load data in Power BI
- Choose a Power BI model framework

### **Module 3 : Model data with Power BI**

- Configure a semantic model
- Write DAX formulas for semantic models
- Create DAX calculations in semantic models
- Modify DAX filter context in semantic models
- Use DAX time intelligence functions in semantic models
- Create visual calculations in Power BI Desktop
- Optimize a model for performance in Power BI

### **Module 4 : Design effective reports in Power BI**

- Scope report design requirements
- Design Power BI reports
- Enhance Power BI report designs for the user experience
- Perform analytics in Power BI

### **Module 5 : Manage and secure Power BI**

- Manage workspaces in Power BI service
- Manage semantic models in Power BI
- Choose a content distribution method
- Create dashboards in Power BI
- Secure data access in Power BI

## Classroom Live Labs

### **Lab : Preparing Data in Power BI Desktop**

- Prepare Data

### **Lab : Loading Data in Power BI Desktop**

- Loading Data

### **Lab : Data Modeling in Power BI Desktop**

- Create Model Relationships
- Configure Tables and column properties
- Create hierarchies

### **Lab : Introduction to DAX in Power BI Desktop**

- Create calculated tables
- Create calculated columns
- Create measures

### **Lab : Advanced DAX in Power BI Desktop**

- Use the CALCULATE() function to manipulate filter context
- Use Time Intelligence functions

### **Lab : Enhancing reports with interaction and formatting in Power BI Desktop**

- Create and configure Sync Slicers
- Create a drillthrough page
- Apply conditional formatting
- Create and use Bookmarks

### **Lab : Designing a report in Power BI Desktop**

- Design a report
- Configure visual fields and format properties

### **Lab : Creating a Dashboard in Power BI Service**

- Create a Dashboard
- Pin visuals to a Dashboard
- Use Q&A to create a dashboard tile

### **Lab : Data Analysis in Power BI Desktop**

- Create animated scatter charts
- Use the visual to forecast values

### **Lab : Enforce Row-Level Security**

- Configure many-to-many relationships
- Enforce row-level security

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VIRTUAL CLASSROOM LIVE

\$2,095 CAD

3 Day

## Virtual Classroom Live Outline

### **Module 1 : Get started with Microsoft data analytics- Discover data analysis**

- Get started building with Power BI
- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with Copilot in Power BI

### **Module 2 : Prepare data for analysis with Power BI-Get data in Power BI**

- Clean, transform, and load data in Power BI
- Choose a Power BI model framework

### **Module 3 : Model data with Power BI**

- Configure a semantic model
- Write DAX formulas for semantic models
- Create DAX calculations in semantic models
- Modify DAX filter context in semantic models
- Use DAX time intelligence functions in semantic models
- Create visual calculations in Power BI Desktop
- Optimize a model for performance in Power BI

### **Module 4 : Design effective reports in Power BI**

- Scope report design requirements
- Design Power BI reports
- Enhance Power BI report designs for the user experience
- Perform analytics in Power BI

### **Module 5 : Manage and secure Power BI**

- Manage workspaces in Power BI service
- Manage semantic models in Power BI
- Choose a content distribution method
- Create dashboards in Power BI
- Secure data access in Power BI

## Virtual Classroom Live Labs

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- Loading Data

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- Configure Tables and column properties
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- Create calculated columns
- Create measures

### **Lab : Advanced DAX in Power BI Desktop**

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- Use Time Intelligence functions

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- Create a drillthrough page
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- Create and use Bookmarks

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### **Lab : Enforce Row-Level Security**

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- Enforce row-level security

Jul 29 - 31, 2026 | 9:00 AM - 5:00 PM EDT

Aug 17 - 19, 2026 | 9:00 AM - 5:00 PM EDT

Sep 28 - 30, 2026 | 9:00 AM - 5:00 PM EDT

Oct 5 - 7, 2026 | 12:00 - 8:00 PM EDT

Oct 14 - 16, 2026 | 9:00 AM - 5:00 PM EDT

Nov 9 - 11, 2026 | 9:00 AM - 5:00 PM EST

Dec 14 - 16, 2026 | 9:00 AM - 5:00 PM EST



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PRIVATE GROUP TRAINING

3 Day

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Date created: 6/22/2026 2:47:05 PM

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