

## COURSE: Implementing Analytics Solutions Using Microsoft Fabric

This course covers methods and practices for implementing and managing enterprise-scale data analytics solutions using Microsoft Fabric. Students will build on existing analytics experience and will learn how to use Microsoft Fabric components, including lakehouses, data warehouses, notebooks, dataflows, data pipelines, and semantic models, to create and deploy analytics assets. The course can be taken as a step in learning about roles in cloud data services and Microsoft Fabric such as Data Engineer or Data Scientist, before taking further Microsoft Fabric courses.

### Summary

<i>Duration:</i>	<i>4 days (all day)</i>
<i>Level:</i>	<i>200</i>
<i>Delivery method:</i>	<i>Virtual Instructor-led class</i>
<i>Language:</i>	<i>English or Bulgarian</i>

\* The difficulty level is consistent with the widely accepted scale of technical difficulty of training on Microsoft Corp

### AUDIENCE:

The primary audience for this course is data professionals with experience in data modeling, extraction, and analytics. DP-600 is designed for data professionals who want to use Microsoft Fabric to create and deploy enterprise-scale data analytics solutions. While there are no required prerequisites for taking this course, it is recommended that students have:

- A foundational knowledge of core data concepts and how they're implemented using Microsoft data services. For more information see Azure Data Fundamentals.
- Experience designing and building scalable data models, cleaning and transforming data, and enabling advanced analytic capabilities that provide meaningful business value using Microsoft Power BI. For more information see Power BI Data Analyst.

### AFTER COMPLETING THE COURSE STUDENTS WILL BE ABLE TO:

- Plan, implement, and manage a solution for data analytics
- Prepare and serve data.
- Implement and manage semantic models.
- Explore and analyze data.

### TOPICS:

**Module 1:** Introduction to data analytics on Azure

**Module 2:** Model, query, and explore data in Azure Synapse

**Module 3:** Prepare data for tabular models in Power BI

**Module 4:** Design and build tabular models

**Module 5:** Implement advanced data visualization techniques using Power BI

**Module 6:** Implement and manage an analytics environment

**Module 7:** Manage the analytics development lifecycle

**Module 8:** Govern data across an enterprise