

PROFESSIONAL COURSE OUTLINE

Microsoft

DP-600

Fabric Analytics Engineer Associate

This course covers methods and practices for implementing and managing enterprise-scale data analytics solutions using Microsoft Fabric. Students will learn how to use Fabric dataflows, pipelines, and notebooks to develop analytics assets such as semantic models, data warehouses, and lakehouses.

This course is designed for experienced data professionals skilled at data preparation, modeling, analysis, and visualization, such as the PL-300: Power BI Data Analyst certification.

Data

Intermediate

Fabric

PROGRAM CODE

DP-600

DELIVERY

Virtual, On-site, or Hybrid

DURATION

4 days

CERTIFICATION

**Microsoft Certified:
Fabric Analytics Engineer
Associate**

AUDIENCE PROFILE

Who This Program Is For

The primary audience for this course is data professionals with experience in data modeling and analytics. DP-600 is designed for professionals who want to use Microsoft Fabric to create and deploy enterprise-scale data analytics solutions.

Learners should have prior experience with one of the following programming languages: Structured Query Language (SQL), Kusto Query Language (KQL), or Data Analysis Expressions (DAX).

PROGRAM SUMMARY

What This Course Covers

As a candidate for this certification, you should have subject matter expertise in designing, creating, and managing analytical assets, such as semantic models, warehouses, or lakehouses.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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MODULE 1

Get started with Microsoft Fabric

Explore how to implement data analytics solutions on a single platform with Microsoft Fabric. Integrate, transform, and store data to train AI models and create insightful reports.

- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with lakehouses in Microsoft Fabric
- Get started with data warehouses in Microsoft Fabric
- Get started with Real-Time Intelligence in Microsoft Fabric
- Get started with data science in Microsoft Fabric
- Get started with SQL Database in Microsoft Fabric
- Design semantic models for scale in Microsoft Fabric
- Understand Microsoft Fabric IQ fundamentals

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MODULE 2

Implement a data warehouse with Microsoft Fabric

Explore the data warehousing process and learn how to load, monitor, secure, and query a warehouse in Microsoft Fabric. (DP-602T00)

- Introduction to end-to-end analytics using Microsoft Fabric
- Get started with data warehouses in Microsoft Fabric
- Load data into a Microsoft Fabric data warehouse
- Query a data warehouse in Microsoft Fabric
- Get started with Copilot in Microsoft Fabric for Data Warehouse
- Monitor a Microsoft Fabric data warehouse
- Secure a Microsoft Fabric data warehouse

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MODULE 3

Work with semantic models in Microsoft Fabric

Designing reports for enterprise scale requires more than just connecting to data. Understanding semantic models and strategies for scalability and lifecycle management are key to a successful enterprise implementation. This learning path helps you prepare for the Fabric Analytics Engineer Certification.

- Create DAX calculations in semantic models
- Design scalable semantic models
- Optimize a model for performance in Power BI
- Create and manage Power BI assets
- Enforce Power BI model security

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MODULE 4

Administer and govern Microsoft Fabric

Microsoft Fabric Administration involves securing and governing data, administering the environment, and monitoring optimizing performance for efficient and compliant data management.

- Administer a Microsoft Fabric environment
- Secure data access in Microsoft Fabric
- Secure a Microsoft Fabric data warehouse
- Govern data in Microsoft Fabric with Purview

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