Microsoft Fabric Analytics Engineer

Category: AI, Data & Analytics | **Vendor:** Microsoft

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course covers how to prepare, enrich, and serve data for analysis by consumers such as data analysts, report developers, and AI agents. The course focuses on designing dimensional models and transforming data by using dataflows, notebooks, and T-SQL across lakehouses, warehouses, and eventhouses in Microsoft Fabric. The course also covers building and optimizing semantic models, managing the analytics development lifecycle, and enforcing security and governance across data assets.

About This Course

Explore analytics data stores in Microsoft Fabric

- Introduction to end-to-end analytics using Microsoft Fabric
- Discover and connect to data in OneLake
- Get started with lakehouses in Microsoft Fabric
- Get started with data warehouses in Microsoft Fabric
- Get started with Real-Time Intelligence in Microsoft Fabric

Design and transform analytics data in Microsoft Fabric

- Choose data stores in Microsoft Fabric
- Design dimensional models for analytics in Microsoft Fabric
- Transform data using Dataflows Gen2 in Microsoft Fabric
- Transform data using notebooks in Microsoft Fabric
- Transform data using T-SQL in Microsoft Fabric

Design and manage semantic models in Microsoft Fabric

- Create DAX calculations in semantic models
- Design semantic models for scale in Microsoft Fabric
- Optimize semantic model performance
- Enforce semantic model security
- Manage the semantic model development lifecycle

Prepare AI-ready analytics data in Microsoft Fabric

- Prepare the semantic layer for AI in Microsoft Fabric
- Understand Microsoft Fabric IQ fundamentals
- Create an ontology with Fabric IQ

Secure and govern analytics data in Microsoft Fabric

- Secure data access in Microsoft Fabric
- Secure a Microsoft Fabric data warehouse

- Govern data in Microsoft Fabric with Purview
- Govern analytics data in Microsoft Fabric

Who Should Attend

This course is intended for data professionals with experience in data modeling, transformation, and analytics.

Prerequisites & Entry Requirements

General Prerequisites:

Learners should have prior experience translating business requirements into analytical measures by using Structured Query Language (SQL) or Data Analysis Expressions (DAX). Experience building semantic models and reports in Power BI is recommended. Familiarity with Kusto Query Language (KQL) and Python is also helpful but not required.

Detailed Course Outline

Section 1: Explore analytics data stores in Microsoft Fabric (Introduction to end-to-end analytics; Discover and connect to data in OneLake; Get started with lakehouses; Get started with data warehouses; Get started with Real-Time Intelligence) | Section 2: Design and transform analytics data (Choose data stores; Design dimensional models; Transform data using Dataflows Gen2; Transform data using notebooks; Transform data using T-SQL) | Section 3: Design and manage semantic models (Create DAX calculations; Design semantic models for scale; Optimize semantic model performance; Enforce semantic model security; Manage the semantic model development lifecycle) | Section 4: Prepare AI-ready analytics data (Prepare the semantic layer for AI; Understand Microsoft Fabric IQ fundamentals; Create an ontology with Fabric IQ) | Section 5: Secure and govern analytics data (Secure data access; Secure a Microsoft Fabric data warehouse; Govern analytics data)

Frequently Asked Questions

Q: What delivery options are available for Microsoft Fabric Analytics Engineer?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day Microsoft Fabric Analytics Engineer course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Microsoft Fabric Analytics Engineer training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Microsoft Fabric Analytics Engineer?

Yes, we provide corporate training, dedicated training, and closed classes for Microsoft Fabric Analytics Engineer. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Microsoft Fabric Analytics Engineer, AI, Copilot, Power BI & Data Analytics, DP-600T00

Q: Why choose Nexus Human for Microsoft Fabric Analytics Engineer?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Microsoft Fabric Analytics Engineer training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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