# Data Engineering on Microsoft Azure (DP-203T00)

**ID** DP-203T00   **Price** CHF 2,750.—(excl. VAT)   **Duration** 4 days

## Who should attend

The primary audience for this course is data professionals, data architects, and business intelligence professionals who want to learn about data engineering and building analytical solutions using data platform technologies that exist on Microsoft Azure. The secondary audience for this course includes data analysts and data scientists who work with analytical solutions built on Microsoft Azure.

## This course is part of the following Certifications

Microsoft Certified: Azure Data Engineer Associate (MCADEA)

## Prerequisites

Successful students start this course with knowledge of cloud computing and core data concepts and professional experience with data solutions.

Specifically completing:

- Microsoft Azure Fundamentals (AZ-900T00)
- Microsoft Azure Data Fundamentals (DP-900T00)
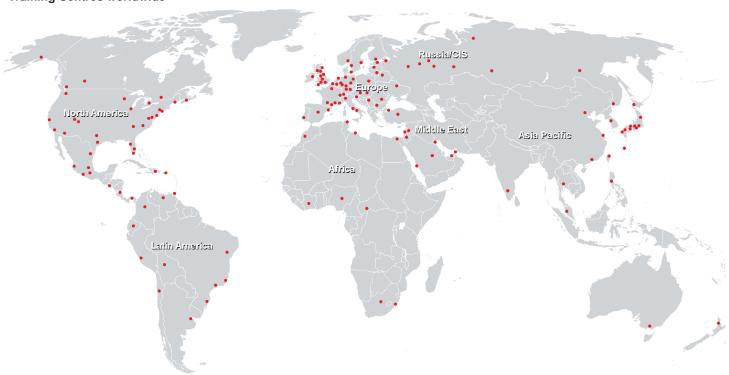
## Course Content

- Introduction to data engineering on Azure
- Introduction to Azure Data Lake Storage Gen2
- Introduction to Azure Synapse Analytics
- Use Azure Synapse serverless SQL pool to query files in a data lake
- Use Azure Synapse serverless SQL pools to transform data in a data lake
- Create a lake database in Azure Synapse Analytics
- Analyze data with Apache Spark in Azure Synapse Analytics
- Transform data with Spark in Azure Synapse Analytics
- Use Delta Lake in Azure Synapse Analytics
- Analyze data in a relational data warehouse
- Load data into a relational data warehouse
- Build a data pipeline in Azure Synapse Analytics
- Use Spark Notebooks in an Azure Synapse Pipeline

- Plan hybrid transactional and analytical processing using Azure Synapse Analytics
- Implement Azure Synapse Link with Azure Cosmos DB
- Implement Azure Synapse Link for SQL
- Get started with Azure Stream Analytics
- Ingest streaming data using Azure Stream Analytics and Azure Synapse Analytics
- Visualize real-time data with Azure Stream Analytics and Power BI
- Introduction to Microsoft Purview
- Integrate Microsoft Purview and Azure Synapse Analytics
- Explore Azure Databricks
- Use Apache Spark in Azure Databricks
- Run Azure Databricks Notebooks with Azure Data Factory

**Training Centres worldwide**





**Fast Lane Institute for Knowledge Transfer GmbH**

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

**info@flane.ch, https://www.flane.ch**