Training: Microsoft

# DP-750T00: Implement data engineering solutions using Azure Databricks

Microsoft Partner

## TRAINING GOALS:

Master end-to-end data engineering with Azure Databricks and Unity Catalog. This course moves from foundational setup to production deployment, covering environment configuration and enterprise-grade governance. Learn to build robust ingestion pipelines, implement security with Unity Catalog, and deploy optimized workloads.

**Audience Profile**:
The target audience is data engineers who have fundamental knowledge of data analytics concepts, a basic understanding of cloud storage, and familiarity with data organization principles. They should be comfortable working with SQL and have experience using Python, including notebooks, for data engineering tasks.

## CONSPECT:

- Set up and configure an Azure Databricks environment
  - Module 1: Explore Azure Databricks
  - Module 2: Understand Azure Databricks architecture
  - Module 3: Understand Azure Databricks Integrations
  - Module 4: Select and Configure Compute in Azure Databricks
  - Module 5: Create and organize objects in Unity Catalog
- Secure and govern Unity Catalog objects in Azure Databricks
  - Module 1: Secure Unity Catalog objects
  - Module 2: Govern Unity Catalog objects
- Prepare and process data with Azure Databricks
  - Module 1: Design and implement data modeling with Azure Databricks
  - Module 2: Ingest data into Unity Catalog
  - Module 3: Cleanse, transform, and load data into Unity Catalog
  - Module 4: Implement and manage data quality constraints with Azure Databricks
- Deploy and maintain data pipelines and workloads with Azure Databricks
  - Module 1: Design and implement data pipelines with Azure Databricks
  - Module 2: Implement Lakeflow Jobs with Azure Databricks



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- Module 3: Implement development lifecycle processes in Azure Databricks
- Module 4: Monitor, troubleshoot and optimize workloads in Azure Databricks

## REQUIREMENTS:

Fundamental knowledge of data analytics concepts, basic understanding of cloud storage, familiarity with data organization principles. Comfortable working with SQL and Python. Good understanding of Azure Databricks workspaces and Unity Catalog. Familiarity with Git version control fundamentals.

## Difficulty level

## CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

This course will help prepare you for the **Microsoft Certified: Azure Databricks Data Engineer Associate** certification, which is available through the Pearson VUE test centers.

## TRAINER:

Microsoft Certified Trainer (MCT)



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