

MICROSOFT OFFICIAL CURRICULUM

Databricks

Data Engineering with Databricks

Program aligned

Databricks certification-aligned program for foundational data engineering skills across Delta Lake ingestion, workflows, Delta Live Tables, and Unity Catalog governance.

Data

Intermediate

Databricks Data Intelligence Platform

DURATION

4 days

LEVEL

Intermediate

FORMAT

Virtual, On-site, or Hybrid

CERTIFICATION

Databricks Certified Data Engineer Associate

AUDIENCE PROFILE

Built for these roles

Built for practitioners who need to use Databricks to complete introductory data engineering tasks including ETL development, workload orchestration, and foundational governance.

OVERVIEW

Executive overview

This program aligns to the Databricks Certified Data Engineer Associate track and prepares teams to perform introductory data engineering tasks on the Databricks Data Intelligence Platform. It covers ETL development with Spark SQL or PySpark, data ingestion and transformation, workload orchestration, and foundational governance practices needed for production-ready pipelines.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Ingest and transform data using Delta Lake patterns
- Orchestrate jobs with Databricks Workflows and Delta Live Tables
- Apply foundational data governance using Unity Catalog
- Strengthen readiness for Databricks Data Engineer Associate outcomes

TRAINING PROVIDER


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ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Builds the core delivery capability teams need to design, orchestrate, and govern modern lakehouse pipelines on Databricks with fewer implementation gaps.

Customization options

- Use your source-system and medallion architecture scenario in the workshop
- Add streaming ingestion or CDC emphasis for platform teams
- Extend with governance and operating-model decisions for Unity Catalog rollout

CURRICULUM

Curriculum roadmap

1

MODULE 1

Lakehouse ingestion and transformation foundations

Establish the foundational patterns for loading, transforming, and managing data in the Databricks lakehouse using Delta Lake and medallion-style engineering practices.

- Data Ingestion with Delta Lake

2

MODULE 2

Operationalize pipelines and scheduled workloads

Build reliable production workflows by orchestrating jobs, dependencies, and recurring data tasks with Databricks-native workflow tooling.

- Deploy Workloads with Databricks Workflows

3

MODULE 3

Engineer declarative pipelines at scale

Use Delta Live Tables to define, manage, and monitor resilient data pipelines for transformation, quality, and lifecycle management.

- Build Data Pipelines with Delta Live Tables

4

MODULE 4

Govern data access and platform controls

Apply core governance capabilities with Unity Catalog for access management, lineage awareness, and trusted data operations.

- Data Management and Governance with Unity Catalog

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PROGRAM BRIEF

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PRIVATE DELIVERY

Plan a private cohort for your team

Scope delivery format, role mix, and rollout timeline with our solutions team.





Plan Private Delivery

Book advisory call

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