

## PROFESSIONAL COURSE OUTLINE

Databricks

# Data Engineering with Databricks

Program aligned

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.

Data

Intermediate

Databricks Data Intelligence Platform

## PROGRAM CODE

Program aligned

## DELIVERY

Virtual, On-site, or Hybrid

## DURATION

4 days

## CERTIFICATION

Databricks Certified Data Engineer Associate

## AUDIENCE PROFILE

## Who This Program Is For

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

## PROGRAM SUMMARY

## What This Course Covers

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

## 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.

## TALK TO US

 info@vnodeites.com +91 9419 11 4792 +91 9419 11 4792

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Wework, DLF Forum Infinity Tower C, Gurugram, INDIA

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## 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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