databricks

Welcome to Data Engineering with Databricks

Course goals

1 Perform common code development tasks in a data engineering workflow using the Databricks **Data Science & Engineering Workspace**.

2 Use **Spark** to extract data from a variety of sources, apply common cleaning transformations, and manipulate complex data to load into **Delta Lake**.

3 Define and schedule data pipelines that incrementally ingest and process data through multiple tables in the lakehouse using **Delta Live Tables**.

4 Orchestrate data pipelines with Databricks **Workflow Jobs** and schedule dashboard updates to keep analytics up-to-date.

5 Configure permissions in **Unity Catalog** to ensure that users have proper access to databases for analytics and dashboarding.

Course overview

Module 1: Get Started with Databricks Data Science and Engineering Workspace

Module 2: Transform Data with Spark (SQL/PySpark)

Module 3: Manage Data with Delta Lake

Module 4: Build Data Pipelines with Delta Live Tables (SQL/PySpark)

Module 5: Deploy Workloads with Databricks Workflows

Module 6: Manage Data Access for Analytics with Unity Catalog

Agenda

Module Name	Duration
Get Started with Databricks Data Science and Engineering Workspace	1 hour, 20 min
Transform Data with Spark (SQL/PySpark)	2 hours, 50 min
Manage Data with Delta Lake	1 hour, 30 min
Build Data Pipelines with Delta Live Tables (SQL/PySpark)	3 hours
Deploy Workloads with Databricks Workflows	1 hour, 10 min
Manage Data Access for Analytics with Unity Catalog	2 hours

- We will take 10 minute breaks about every hour

Databricks Policy on recording Instructor-led Training

We do not permit the recording of any of our instructor-led training classes, whether for internal purposes or on behalf of our customers

Our prohibition on recordings helps protect the privacy of our instructors and students taking our courses

If you would like to access recorded training materials, many of our training materials are pre-recorded and available as free self-paced at

Databricks Academy

https://www.databricks.com/learn/training/home