

Apache Spark Programming with Databricks

This program aligns to the Apache Spark developer learning pathway on Databricks and prepares teams to build, test, and optimize Spark applications more effectively. It focuses on Spark fundamentals, DataFrame APIs, Spark SQL, transformation logic, and the development habits needed for production-oriented distributed data work.

COURSE CODE

Program-aligned

DELIVERY

Virtual, On-site, or Hybrid

DURATION

3 days

CERTIFICATION TRACK

Databricks Certified Associate Developer for Apache Spark

AUDIENCE PROFILE

Who This Program Is For

Built for practitioners who need to write, validate, and improve Spark applications on Databricks using practical distributed-processing patterns.

PROGRAM SUMMARY

What This Course Covers

Databricks Spark developer program aligned to Apache Spark application-development workflows and associate-level Spark certification outcomes.

Tailored Delivery Available

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.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topic areas covered under each module.



1 Learn Spark programming foundations

Build the core concepts and development model behind Apache Spark applications on Databricks before moving into larger workloads.

- Spark programming foundations

2 Use DataFrames and Spark SQL effectively

Work with the primary APIs developers use for transformation, querying, and iterative Spark data-processing logic.

- Working with DataFrames and Spark SQL

3 Build maintainable Spark transformations

Apply reusable coding patterns for transformation-heavy Spark jobs and notebook-to-production development workflows.

- Building transformations and reusable logic

4 Test and tune Spark application behavior

Improve confidence in Spark jobs through troubleshooting, validation, and performance-aware development choices.

- Testing and improving Spark applications