

PROFESSIONAL COURSE OUTLINE

Databricks

Machine Learning with Databricks

Program aligned

This course maps to the Databricks machine learning practitioner learning path and supports Databricks Certified Machine Learning Associate preparation. It equips teams to move from experimentation into structured Databricks machine learning workflows, covering data preparation, model development, deployment, and foundational operations.

Advanced AI & Machine Learning (Databricks)

Intermediate

Databricks Data Intelligence Platform

PROGRAM CODE

Program aligned

DELIVERY

Virtual, On-site, or Hybrid

DURATION

4 days

CERTIFICATION

Databricks Certified
Machine Learning Associate

AUDIENCE PROFILE

Who This Program Is For

Built for machine learning practitioners who need to build, track, deploy, and operationalize ML workflows on Databricks with stronger engineering discipline and platform fluency.

PROGRAM SUMMARY

What This Course Covers

Databricks machine learning practitioner program aligned to associate-level ML responsibilities across preparation, model building, deployment, and operations.

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.

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MODULE 1

Prepare and structure data for ML workloads

Create reliable machine learning-ready datasets and feature pipelines that support repeatable experimentation and downstream model development.

- Data Preparation for Machine Learning



Plan the next session

We can tune this outline around your delivery goals and team mix.

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MODULE 2

Develop and evaluate machine learning models

Build model-development workflows in Databricks with a focus on training, evaluation, experimentation, and reproducibility.

- Machine Learning Model Development

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MODULE 3

Deploy models for enterprise use

Move from experimentation into usable delivery patterns by packaging, promoting, and exposing models in operational workflows.

- Machine Learning Model Deployment

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MODULE 4

Establish foundational ML operations

Apply the operational practices needed to manage model lifecycle steps more consistently across collaboration, monitoring, and maintenance.

- Machine Learning Operations

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