

## Advanced Machine Learning with Databricks

Aligned to the Databricks Certified Machine Learning Professional track, this program focuses on designing and operating enterprise-scale machine learning systems on Databricks. It emphasizes scalable model pipelines, advanced MLflow usage, testing, automated retraining, environment management, and deployment strategies for high-confidence production ML.

### COURSE CODE

**Program-aligned**

### DELIVERY

**Virtual, On-site, or Hybrid**

### DURATION

**2 days**

### CERTIFICATION TRACK

**Databricks Certified Machine Learning Professional**

### AUDIENCE PROFILE

#### Who This Program Is For

Designed for experienced machine learning practitioners who need to implement scalable, monitored, production-grade ML systems using advanced Databricks platform capabilities.

### PROGRAM SUMMARY

#### What This Course Covers

Advanced Databricks ML program aligned to professional-level machine learning engineering across scale, automation, environment management, and production operations.

#### 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 Scale enterprise machine learning workloads

Design training and inference workflows that take advantage of Databricks for larger-scale machine learning pipelines, distributed processing, and performance-aware execution.

- Machine Learning at Scale

## 2 Operate advanced MLOps workflows

Apply stronger practices for model lifecycle control, testing, deployment automation, monitoring, and reliable production operations.

- Advanced Machine Learning Operations