

## Advanced Data Engineering with Databricks

This advanced program aligns to the Databricks Certified Data Engineer Professional path and focuses on production-scale engineering decisions. Teams work through streaming patterns, privacy-aware data design, performance tuning, and deployment automation practices that matter when Databricks is part of a broader enterprise platform.

### COURSE CODE

**Program-aligned**

### DELIVERY

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

### DURATION

**3 days**

### CERTIFICATION TRACK

**Databricks Certified Data Engineer Professional**

### AUDIENCE PROFILE

#### Who This Program Is For

Designed for experienced practitioners who need to implement advanced data engineering patterns on Databricks across streaming, privacy, optimization, and deployment automation.

### PROGRAM SUMMARY

#### What This Course Covers

Advanced Databricks engineering program aligned to professional-level data engineering capabilities across streaming, privacy, optimization, and asset-bundle deployment practices.

#### 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 Streaming and declarative pipeline design

Advance from batch-oriented engineering into streaming and continuously managed data pipelines using Databricks-native capabilities for scalable operations.

- Databricks Streaming and Delta Live Tables

### 2 Privacy-aware data engineering practices

Address sensitive data handling, access separation, and governance considerations for enterprise data products and regulated environments.

- Databricks Data Privacy

### 3 Performance engineering on the Databricks platform

Improve workload speed, cost efficiency, and runtime behavior by applying proven Databricks performance optimization patterns.

- Databricks Performance Optimization

### 4 Deployment automation for production platforms

Package and promote Databricks assets more consistently across environments using asset bundles and disciplined deployment workflows.

- Automated Deployment with Databricks Asset Bundles