

## Data Architecture with Databricks

This program is designed for architects shaping enterprise data foundations on Databricks. It focuses on data-domain design, medallion architecture, governance-aware modeling, serving patterns for analytics and AI, and the architectural trade-offs that influence long-term scalability and maintainability.

### COURSE CODE

**Program-aligned**

### DELIVERY

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

### DURATION

**2 days**

### CERTIFICATION TRACK

**Databricks architecture-aligned learning plan**

### AUDIENCE PROFILE

## Who This Program Is For

Built for data architects who need to make reusable platform and lakehouse design decisions on Databricks.

### PROGRAM SUMMARY

## What This Course Covers

Databricks architecture program focused on medallion design, domain modeling, governance-aware data products, serving patterns, and lakehouse architecture decisions.

### 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 Define lakehouse architecture foundations

Set the structural patterns and medallion design choices that shape how data moves and matures across the platform.

- Lakehouse and medallion architecture design

### 2 Model data with governance in mind

Align data structures, ownership boundaries, and governance capabilities to support trusted and reusable data assets.

- Modeling, governance, and Unity Catalog patterns

### 3 Design serving and data-product layers

Connect architecture decisions to how analytics, BI, and AI consumers will use governed data products on Databricks.

- Serving-layer and data-product architecture

### 4 Standardize architecture for broader adoption

Build the standards that help engineering and analytics teams deliver more consistently on a shared Databricks foundation.

- Architecture standards for analytics and AI workloads