

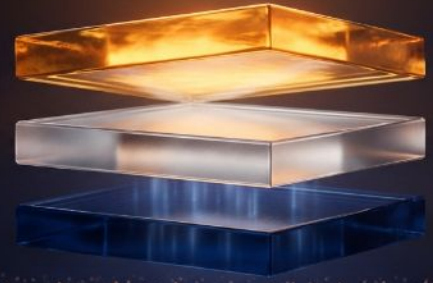
DEB-301 | 4-week instructor-led program

Data Engineering with Databricks

Design, build and govern production-ready lakehouse pipelines with Databricks.

**Launch cohort** Thu 1 Oct – Fri 30 Oct 2026

Live online in US time zones, hands-on labs every week



Reserve your seat

emergera.ai/databricks-data-engineering

Scan for full details and dates



Program at a glance

**4 weeks**

14 live sessions

**32 hours**

Instructor-led

**6–8 hrs/week**

Self-paced practice

**Beginner to
intermediate**

Working SQL needed

Weekly curriculum

1

**Week 1** 1 – 7 Oct**Lakehouse foundations: Spark and Delta Lake**

Get comfortable with the platform and the Spark and Delta Lake fundamentals everything builds on.

2

**Week 2** 8 – 14 Oct**Ingestion and the medallion architecture**

Bring data in reliably and refine it, bronze to silver to gold, into trusted, analytics-ready tables.

3

**Week 3** 15 – 21 Oct**Pipelines, streaming, orchestration and DevOps**

Automate everything: declarative pipelines, streaming, scheduled workflows and CI/CD.

4

**Week 4** 22 – 30 Oct**Governance, serving and certification prep**

Secure and share data, serve it to analytics and AI, control cost, then present your capstone.

Who should attend



- **Analysts and BI developers** moving into data engineering
- **ETL and database developers** moving to the lakehouse
- **Software engineers** specializing in data platforms
- **Data engineers** preparing for certification

Learning outcomes



- **Lakehouse and Databricks** fundamentals
- **Spark, PySpark** and Spark SQL
- **Medallion architecture** bronze, silver and gold
- **Ingestion** with Auto Loader and Lakeflow Connect
- **Batch and streaming** pipelines and orchestration
- **CI/CD and governance** Asset Bundles, Unity Catalog



Capstone project

Design and build an end-to-end lakehouse for a realistic business domain, such as healthcare claims, e-commerce or IoT telemetry.

**Capstone:** an end-to-end governed lakehouse, presented at Demo Day.

Live instruction

32 hours: Tue & Thu 7–9 PM ET, Sat 12–3 PM ET. Demo Day Fri 30 Oct.



Credential

Emergera Certificate of Completion (70% overall score), with certification prep. Eligible learners can be considered for career opportunities through USM Business Systems.