PARTNER CERTIFICATION ACADEMY

PROFESSIONAL DATA ENGINEER

Overview

A Professional Data Engineer enables data-driven decision making by **collecting, transforming, and publishing data.**

A Data Engineer should be able to design, build, operationalize, secure, and monitor data processing systems with a particular emphasis on **security and compliance; scalability and efficiency; reliability and fidelity**; and **flexibility and portability**. They should also be able to leverage, deploy, and continuously **train pre-existing machine learning models.**

A Skills Boost for Partners account is required for on-demand learning. Access is free and unlimited for all learners employed by Google Cloud Partners. Instructions here.

Path to certification

The Partner certification Academy is a Hybrid Program with Live Instructor led sessions to complement and build on the On Demand Learning.

While experienced professionals may be able to proceed directly to the exam, it's recommended to engage with both training components. **This ensures you're fully prepared.**

Instructor-led training (ILT)

On-demand training

This is a 7 session program

1
- Data Lakes and Data Warehouses
- Data Lakehouse and Biglake

4 hours

2
- Cloud Storage and Dataproc
- Security and IAM

4 hours

3
- Data Ingestion
- Managing Cloud Resource & PubSub

4 hours

4
- Dataflow
- BigQuery

4 hours

5
- BigQuery Security & Cost Optimization
- BigQuery Partition, Schema and BQML

4 hours

6
- Cloud Databases I
- Cloud Databases II

4 hours

7
- Datastream and Looker
- Exam Readiness Workshop

4 hours

Recommended candidate

- Has in-depth experience setting up cloud environments for an organization.
- Has experience deploying services and solutions based on business requirements.

Certification resources

Exam landing page

Sample questions

Click to register

To earn an exam voucher learners must complete the following:

★ Prepare Data for ML APIs on Google Cloud [Course]
★ Optimizing BigQuery for Cost and Performance v1.5 [Lab]
★ Engineer Data for Predictive Modeling with BigQuery ML