DATA ENGINEERING ON GOOGLE CLOUD PLATFORM

Course Code: 5975

Learn how to design and build data processing systems.

This four-day instructor-led class provides you with a hands-on introduction to designing and building data processing systems on Google Cloud Platform. Through a combination of presentations, demos, and hand-on labs, you will learn how to design data processing systems, build end-to-end data pipelines, analyze data and carry out machine learning. The course covers structured, unstructured, and streaming data.

What You'll Learn

- Design and build data processing systems on Google Cloud Platform
- Process batch and streaming data by implementing autoscaling data pipelines on Cloud Dataflow
- Derive business insights from extremely large datasets using Google BigQuery
- Train, evaluate and predict using machine learning models using Tensorflow and Cloud ML
- Leverage unstructured data using Spark and ML APIs on Cloud Dataproc
- Enable instant insights from streaming data

Who Needs to Attend

This class is intended for experienced developers who are responsible for managing big data transformations including:

- Extracting, loading, transforming, cleaning, and validating data
- Designing pipelines and architectures for data processing
- Creating and maintaining machine learning and statistical models
- Querying datasets, visualizing query results and creating reports

Prerequisites

- Completed Google Cloud Fundamentals- Big Data and Machine Learning course #8325 OR have equivalent experience
- Basic proficiency with common query language such as SQL
- Experience with data modeling, extract, transform, load activities
- Developing applications using a common programming language such Python
- Familiarity with Machine Learning and/or statistics

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VIRTUAL CLASSROOM LIVE	$3,600 USD	4 Day

Dec 9 - 12, 2025 | 9:00 AM - 5:00 PM EST

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PRIVATE GROUP TRAINING	4 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.