

Google Cloud Professional Data Engineer Certification Training Certification



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About the Program

Certified GCP Data Engineer professional is a globally recognized and valued certification focusing on honing an individual's skills to make data-driven decisions by optimizing the obtained data. This Certification course helps pupils in enabling to learn the concepts of Data Science from scratch. Master your skills with Wissenhive by studying important concepts.

The certification expertly demonstrates how to efficiently collect, transform, and visualize data for generating valuable insights with the aim to render practical understanding to design, develop, manage, and troubleshoot the data processing systems while emphasizing and maintaining the crucial aspects of the system, including scalability, reliability, fault-tolerance, security, fidelity, and efficiency.

Key Training Features

-  Ask Questions Real-Time and Interact with the Trainer Live
-  Learner assistance and support - 24x7x365
-  Flexible classes
-  High-quality content created by industry experts
-  Professionally designed Student Training Material
-  High-Quality Audio-Video Lectures
-  Lifetime Training Access
-  Assessments



Training Options

- Self-paced Training
- Live Virtual Classes
- One on One Training

Why GCP Data Engineer?

- Higher Paying Opportunities
- Gain Knowledge and Credibility
- Stand Out Among the Ordinary
- Knowledge of GCP Best Practices
- Better Career Growth & Job Opportunities
- Better ROI with Flexibility
- Sharpen your IT Skillset

What will you learn?

- Designing a data processing system
- Building and maintaining the structures and databases of data
- Analyzing data and enabling machine learning
- Optimizing data infrastructure performance, data representations, and cost
- Ensuring reliability of data processing infrastructure
- Visualize data
- Design secure data processing systems



Career Option with Salary Compensation

Data Scientist

- Minimum - \$67,000
- Avg Salary - \$96,000
- Maximum - \$135,000

Machine Learning Engineer

- Minimum - \$76,000
- Avg Salary - \$113,000
- Maximum - \$154,000

Program Manager

- Minimum - \$73,000
- Avg Salary - \$113,000
- Maximum - \$175,000

Data Engineer

- Minimum - \$65,000
- Avg Salary - \$93,000
- Maximum - \$132,000

Data Analyst

- Minimum - \$44,000
- Avg Salary - \$61,000
- Maximum - \$86,000



Target Audience

- Administrator
- Architect
- Automation Engineer
- Consultant
- Engineer
- Security Analyst
- Reliability Engineer
- Infrastructure Engineer
- Security Engineer
- Security Architect



Prerequisites

There are certain prerequisites needed for taking the Google Cloud Professional Data Engineer Certification, Wilsen-hive and Google recommend having

- Basic knowledge of fundamentals of cloud computing and relevant practical experience
- 3+ years of experience in industry experience
- 1+ years of experience in designing and managing solutions using Google Cloud



Course Details

- Designing and building the data processing systems on Google Cloud
- Lifting and shifting existing Hadoop workloads to the Cloud by utilizing Cloud Dataproc
- Processing the streaming and batch data for the implementation of autoscaling data pipelines on Cloud Dataflow
- Managing data pipelines with Cloud Composer and Data Fusion
- Derive the ideal insights for business from extremely large datasets by BigQuery
- Learning how to utilize pre-built ML APIs
- Enabling the instant insights from streaming data



Course Curriculum:

1. Detailed in-depth GCP Introduction
2. **Cloud Computing Engine**
 - Compute Engine Overview
 - Setting up VM
 - SSH into VM using WINDOWS PuTTY
 - SSH into VM using MAC
3. IAM & Billing Overview, Walkthrough and Quiz
4. GCP Storage Solutions
5. Cloud BigQuery Overview, Practice, and Quiz
6. Cloud Datalab Overview and Practice
7. Cloud Datastudio Overview and Practice
8. Cloud Pub/Sub Overview, Use Cases, and Quiz
9. **Hadoop and Cloud Dataproc**
 - Hadoop Overview and Components
 - Cloud Dataproc Overview
 - Hadoop and Cloud Dataproc Quiz
10. Cloud Dataflow Overview, Practice, and Quiz
11. Cloud Dataprep Overview, Practice, and Quiz



Course Curriculum:

12. Tensorflow and AI Products

- Neural Networks Playground
- GCP AI Products Overview
- ML/AL & GCP AI Products Quiz

13. Machine Learning Solutions

14. Cloud Composer

15. Migrating to GCP

16. Security on GCP

17. Stackdriver Overview and Exporting Logs to BigQuery

18. Case Study Overview and Case Study Solution



Contact us

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If you have any further questions or would like to chat with us, give us a call

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