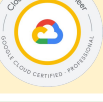# Google Cloud Technical Training and Certification

Foundations		Google Cloud Fundamentals: Core Infrastructure (1 day)	Introduction to Data Engineering on Google Cloud (1 day)	Introduction to AI and Machine Learning on Google Cloud (1 day)	Introduction to Data Analytics on Google Cloud (1 day)	Getting Started with Terraform for Google Cloud (1 day) Getting Started with Google Kubernetes Engine (1 day)
Cloud Infrastructure	**Cloud Architect**	Architecting with Google Compute Engine (3 days)	Architecting with Google Cloud: Design and Process (2 days)	Getting Started with Google Kubernetes Engine (1 day)	Logging, Monitoring, and Observability in Google Cloud (2 days)	Professional Cloud Architect: Google Cloud Advanced Skills & Certification Workshop (2 days)
	Cloud Engineer	Architecting with Google Compute Engine (3 days)	Getting Started with Google Kubernetes Engine (1 day)	Logging, Monitoring, and Observability in Google Cloud (2 days)	Getting Started with Terraform for Google Cloud (1 day)	Associate Cloud Engineer: Google Cloud Advanced Skills & Certification Workshop (2 days)
Application Development	**Cloud Developer**	Developing Applications with Google Cloud (3 days)	Getting Started with Google Kubernetes Engine (1 day)	Developing Applications with Cloud Functions on Cloud Run (1/2 day)	Application Development with Cloud Run (2 days)	Professional Cloud Developer: Google Cloud Advanced Skills & Certification Workshop (2 days)
	Cloud DevOps Engineer	Architecting with Google Cloud: Design and Process (2 days)	Logging, Monitoring, and Observability (2 days)	Getting Started with Terraform for Google Cloud (1 day)	Professional Cloud DevOps Engineer: Google Cloud Advanced Skills & Certification Workshop (2 days)	
Kubernetes, Hybrid, and Multi-Cloud	**Cloud Architect (Hybrid and Multi-Cloud)**	Architecting with Google Kubernetes Engine (2 days)				
Data Engineering and Analytics	**Data Analyst**	BigQuery for Data Analysts (2 days)	Data Warehousing with BigQuery (3 days)	Developing Data Models with LookML (1 day)	Analyzing and Visualizing Data in Looker (1 day)	Looker Developer Deep Dive (2 days)
	Data Engineer	Data Engineering on Google Cloud (4 days)	Serverless Data Processing with Dataflow (3 days)	Professional Data Engineer: Google Cloud Advanced Skills & Certification Workshop (2 days)		Data Integration with Cloud Data Fusion (2 days)
	Database Engineer	Developing Applications with Google Cloud (3 days)	Enterprise Database Migration (4 days)			

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Category	Role				
Apigee API Management	**Architect/ Engineer (Hybrid and Private Cloud)**	Developing APIs with Google Cloud's Apigee API Platform (3 days)	Architecting with Google Kubernetes Engine (2 days)	Managing Google Cloud's Apigee API Platform for Hybrid Cloud (3 days)	Installing and Managing Google Cloud's Apigee API Platform in Private Cloud (3 days)
Networking and Security	**Network Engineer**	Networking in Google Cloud (3 days)	Logging, Monitoring, and Observability in Google Cloud (2 days)	Professional Cloud Network Engineer: Google Cloud Advanced Skills & Certification Workshop (2 days)	*Cloud Network Engineer badge*
	Security Engineer	Networking in Google Cloud (3 days)	Security in Google Cloud (3 days)	Logging, Monitoring, and Observability in Google Cloud (2 days)	Professional Cloud Security Engineer: Google Cloud Advanced Skills & Certification Workshop (2 days) *Cloud Security Engineer badge*
Machine Learning and Artificial Intelligence	**Data Scientist**	Machine Learning on Google Cloud (5 days)	Google Cloud Advanced Skills & Certification Workshop: Professional Machine Learning Engineer *Machine Learning Engineer badge*	MLOps on Google Cloud (3 days)	Vertex AI for ML Practitioners (1 day)
	Contact Center Engineer	Develop Conversational Agents on Google Cloud (3 days)			
Google Cloud for Business		Cloud Digital Leader (2 days)	Data-Driven Transformation with Google Cloud (1 day)	Managing Machine Learning Projects with Google Cloud (1 day)	Leading Change When Moving to Google Cloud (1 day)
Google Cloud and Generative AI		Empower Decision Makers with Generative AI (1 day)	Introduction to Responsible AI in Practice (1 day)	Application Development with LLMs on Google Cloud (1 day)	Introduction to Developer Efficiency on Google Cloud (1 day) / Develop Search and Agents with AI Applications (1 day)
		GenAI in Production (1 day)	Vertex AI and Generative AI Security (2 days)	Generative AI Leader (2 days)	Deploy Multi-Agent Systems with Agent Development Kit and Agent Engine (1 day) / Introduction to Google Agentspace (3 hrs)
		Google Agentspace and NotebookLM Enterprise Essentials (3 hrs)	Vertex AI Search for Commerce (2 days)		

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Specialty Courses				
Understanding Cloud Spanner (3 days)	Managing a Data Mesh with Dataplex (2 days)	Day 2 Operations on Google Cloud (2 days)	Migrating Athena, Redshift, Snowflake, Teradata Users to BigQuery	Google Cloud Fundamentals for Researchers (1 day)
Introduction to Looker Studio Pro (1 day)	Become a Looker Studio Pro Power User (1 day)	Getting Started with FinOps on Google Cloud (1 day)	Technical Foundations of FinOps on Google Cloud (2 days)	Orchestrate BigQuery Workloads with Dataform (1 day)
Gemini for Google Workspace (1 day)	Workflow Orchestration for Cloud Composer (1 day)			

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