

Google Cloud (GCP)

Course syllabus · Live online · Foundational to Associate

Build and run scalable workloads on Google Cloud, from compute and networking to containers and data, aligned to the Associate Cloud Engineer exam.

Live training	54 hours in total
Weekday batch	6 weeks · Monday to Friday, 2 hours per day (10 hours a week)
Weekend batch	7 weeks · Saturday and Sunday, 4 hours each day (8 hours a week)
Self-practice	about 36 hours in total (labs, assignments, revision)
Total effort	about 90 hours including self-practice
Mode	Live instructor-led online sessions · session recordings after each class · small batches
Trainer	Ameya Vaidya
Batch start	Shared by our counselor
Batch timings	Weekday / weekend options, shared by our counselor
Course fee	Shared by our counselor (varies with current offers)

Who is this for?

Freshers, developers, data enthusiasts and IT professionals adding GCP to their skills.

Prerequisites

None. Basic computer and networking awareness helps.

What you will learn

- Set up and manage GCP projects, billing and IAM
- Deploy compute, storage and databases
- Design VPC networks and load balancing
- Run containerized and serverless workloads
- Monitor and operate GCP solutions
- Approach the Associate Cloud Engineer exam confidently

Tools and technologies

Compute Engine · Cloud Storage · VPC · IAM · GKE · Cloud Run · Cloud Functions · BigQuery · Cloud SQL · gcloud

Detailed syllabus

#	Module	Hours	Topics	Hands-on
1	GCP Fundamentals	4	• Cloud models and the GCP global footprint • Projects, folders, organization and billing • Console, gcloud CLI, Cloud Shell	Set up a project with budget alerts
2	Identity and Access Management	5	• IAM roles, members and policies • Service accounts and workload identity • Organization policies	Least-privilege IAM lab

#	Module	Hours	Topics	Hands-on
3	Compute Engine	7	• VM types, images, disks and snapshots • Managed instance groups and autoscaling • Startup scripts and metadata	Autoscaled web tier
4	Cloud Storage and Databases	6	• Cloud Storage classes and lifecycle • Cloud SQL, Firestore, Bigtable overview • Choosing a data service	Host a static site and use Cloud SQL
5	Networking	7	• VPC networks, subnets, firewall rules • Cloud NAT, VPN and Interconnect • Load balancing and Cloud DNS	Custom VPC with load balancer
6	Containers and Kubernetes	6	• Docker basics and Artifact Registry • Google Kubernetes Engine (GKE) • Cloud Run	Deploy an app to GKE and Cloud Run
7	Serverless and Automation	4	• Cloud Functions and Pub/Sub • Terraform and Deployment Manager overview	Event-driven function
8	Data and Analytics Basics	4	• BigQuery fundamentals and SQL • Dataflow and Dataproc overview	Query a public dataset in BigQuery
9	Operations Suite	5	• Cloud Monitoring, Logging, Error Reporting • Alerting and uptime checks • Cost optimization	Dashboards and alerts
10	Exam Preparation	6	• Exam format and strategy • Domain revision • Mock exam with review	Mock exam
	Total live hours	54		

Projects

- Scalable web application on GCP
- Containerized microservice on GKE

Assessment

Lab checkpoints, quizzes and a mock exam.

Certification

Aligned to Google Cloud Digital Leader and Associate Cloud Engineer exam topics.

What is included

- Live instructor-led online sessions
- Hands-on labs and assignments
- Session recordings after each class
- Doubt-solving support
- Course completion certificate
- Small interactive batches
- Unpaid internship opportunities

Our promise: we do not offer guaranteed-placement claims. We focus on building genuine skills so you are capable of clearing interviews and doing the job. Unpaid internship opportunities are available for practical exposure. Fees and batch dates vary with current offers, so please confirm them with our counselor. This syllabus is indicative and may be updated to reflect industry changes.

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