



# Cloud Network Engineer



Access to Interview Opportunities with Top Companies



Industry-Relevant Curriculum Designed and Taught by Industry Experts



Hands on Project and Industry Specific Tools



Dedicated Career Support and Interview Preparation



Post Graduate Certificate from Great Lakes Executive Learning



Choosing Google Cloud Platform (GCP) in the IT industry offers a range of benefits. GCP is known for its robust infrastructure, global network, and advanced data analytics capabilities. It stands out with its data and machine learning services, providing cutting-edge tools for AI and analytics projects. Google's expertise in handling massive datasets, coupled with its serverless computing options, makes GCP an attractive choice for organizations focusing on scalability and innovation. Additionally, GCP's commitment to open-source technologies and its emphasis on sustainability align with the values of many modern businesses. With a strong global presence, security measures, and a competitive pricing model, GCP is well-suited for enterprises seeking a reliable and forward-looking cloud platform.







The Program helps you do grow and bloom in Industry and developed by best-in-class industry experts. It offers a blend of online learning with live and recorded lectures along with access to dedicated career support and rewarding job opportunities.

#### LEARN ONLINE ANYTIME, ANYWHERE

Learn from live masterclasses by top industry leaders and online lab sessions every week, along with 100+ hours of learning content.

#### WEEKLY ONLINE MENTORSHIP FROM EXPERTS

Get assistance on projects and reinforce the concepts you learn through weekly mentorship sessions.

#### NETWORK WITH LIKE-MINDED PEERS

Interact with peers from diverse backgrounds and

grow your professional network.

#### DEDICATED PROGRAM SUPPORT

Access dedicated support on your learning journey and resolve for all your queries with help from a dedicated Program Manager.



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A fresh graduate or a working professional looking to up-skill and build a career.



# LEARNING PLAN

## **Cloud network engineer**

### **1.Introduction to Cloud Computing**

- 1.1 Overview of cloud computing models (IaaS, PaaS, SaaS)
- 1.2 Benefits and challenges of cloud computing
- 1.3 Cloud service providers (AWS, Azure, Google Cloud, etc.)
- 1.4 Cloud deployment models (public, private, hybrid)

### **2.Networking Fundamentals**

- 2.1 Introduction to networking concepts
- 2.2 OSI model and TCP/IP protocol suite
- 2.3 Routing and switching basics
- 2.4 Network topologies and protocols

## **3.Cloud Network Basics**

3.1 Cloud network services and components (VPCs, VNets, etc.)

3.2 Cloud-based load balancing and content delivery

3.3 Virtual Private Cloud (VPC) setup and configuration

3.4 Elastic Load Balancers (ELB) and Application Gateway

## **4.Cloud Security**

4.1 Cloud security fundamentals

4.2 Identity and Access Management  
(IAM) in the cloud

4.3 Network security groups and firewalls

4.4 Data encryption and compliance in the  
cloud

## **5.Cloud Networking Services**

5.1 Virtual Private Network (VPN) connectivity to the cloud

5.2 Direct Connect (AWS) and ExpressRoute (Azure) for  
dedicatedconnections

## **6.Cloud Network Monitoring and Troubleshooting**

6.1 Network monitoring and logging in the cloud

6.2 Troubleshooting common network issues

6.3Performance optimization and scaling

6.4Disaster recovery and backup strategies

## **7.Cloud Network Automation**

7.1Infrastructure as Code (IaC) concepts

(Terraform,CloudFormation, etc.)

7.2Automation scripts for network provisioning and management

7.3Configuration management tools (Ansible, Puppet, etc.)

## **8.Case Studies and Hands-On Labs**

8.1 Practical exercises and labs to apply learned concepts

8.2 Case studies of real-world cloud network deployments

8.3 Best practices and design considerations

## **9.Final Project**

9.1 Design and implement a cloud network architecture

9.2 Present and defend the project to peers or instructors

## **10.Certification and Career Development**

10.1 Preparing for cloud networking certifications

10.2 Career paths and opportunities for cloud network engineers

10.3 Resume building and interview preparation.





## READY TO ADVANCE YOUR CAREER?

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