

Cloud Governance Specialist Certification – Course Outline

3 days

❖ Module 1: Fundamental Cloud Computing

(Foundation concepts essential before learning governance)

- Overview of cloud computing
- Cloud service models (IaaS, PaaS, SaaS)
- Cloud deployment models (Public, Private, Hybrid)
- Virtualization basics
- Elasticity, resiliency, on-demand delivery
- Benefits, risks, and challenges of cloud
- Cloud stakeholder roles and responsibilities (e.g., cloud admin, service owner)

❖ Module 2: Cloud Technology Concepts

(Deeper dive into cloud technologies that underpin governance)

Topics typically include:

- Core cloud architecture and technology
- Cloud networking fundamentals
- Storage and compute services in cloud
- Automation and orchestration tools
- Monitoring, logging, and performance metrics
- Service management and SLAs
- Tools enabling governance enforcement

❖ Module 3: Fundamental Cloud Governance

(First dedicated governance module)

Key focus areas:

- What is **cloud governance** and why it matters
- Governance principles and framework components
- Policy definition and lifecycle

- Security and compliance guardrails
- Cloud cost and resource governance
- Roles, responsibilities, and governance stakeholders
- Governance artifacts: policies, standards, controls
- Common governance challenges and solutions

Module 4: Advanced Cloud Governance

(Advanced governance and real world application)

Topics include:

- Designing custom governance frameworks
- Regulatory requirements and compliance mapping
- Enterprise risk management and cloud controls
- Integrating governance into DevOps/CI-CD
- Automation for governance enforcement
- Governance maturity models
- Metrics and KPIs for governance effectiveness

Module 5: Cloud Governance Lab

(Hands-on lab to apply governance skills)

Practical experiences typically include:

- Building governance policies
- Simulating governance enforcement in a cloud environment
- Creating reporting dashboards
- Tools for compliance monitoring
- Use-case scenarios such as cost governance, security policies, access governance