

# Cloud Governance Specialist Certification – Course Outline

3 days

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## **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)
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## **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
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## **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
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## **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
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## **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