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✦ CLOUD COMPUTING · ADVANCED

Azure Solutions Architect

Design solutions on Azure.



96	8	AZ-305
HOURS	MODULES	CERTIFICATION

SAMCOMMUNITY ACADEMY

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✦ INSIDE THIS BROCHURE

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AT A GLANCE

Level	Advanced
Duration	96 Hours
Modules	8
Certificate	AZ-305

✦ PROGRAM OVERVIEW

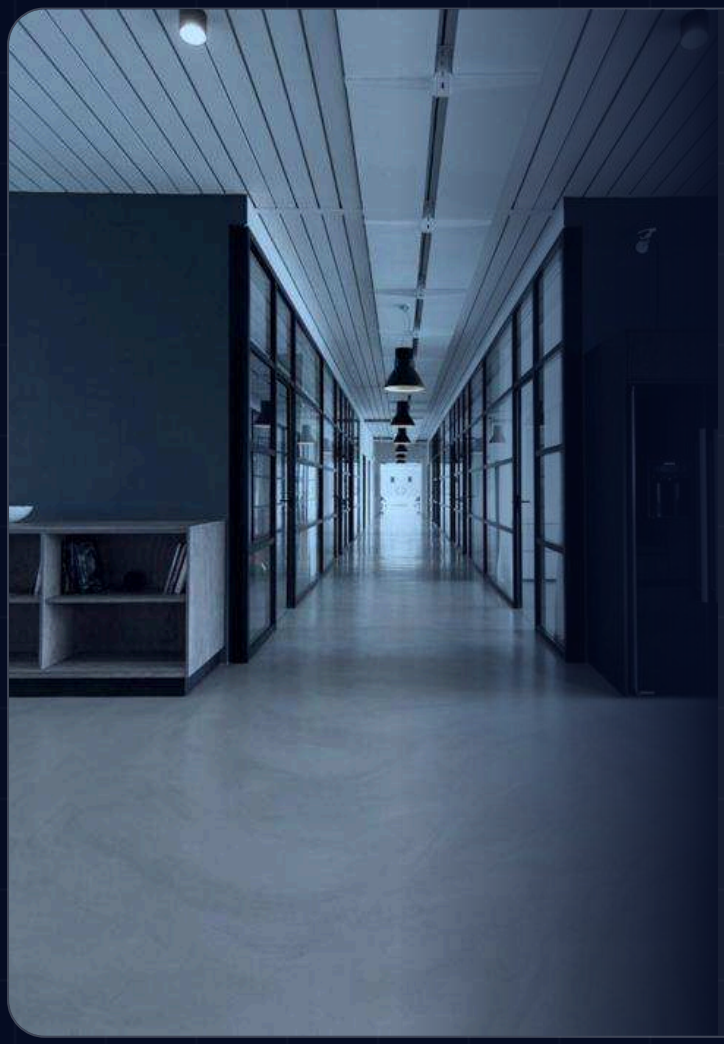
Design solutions on Azure.



Design identity, governance, data, business continuity and infrastructure solutions on Azure.

Azure architects translate business requirements into secure, resilient and cost-effective cloud designs. This advanced program prepares learners for the Microsoft Designing Azure Infrastructure Solutions (AZ-305) exam, the core requirement for Azure Solutions Architect Expert, covering identity, governance and monitoring, data storage, business continuity, and infrastructure solutions. Design workshops use realistic enterprise case studies.

LEVEL	DURATION	CERTIFICATION	DELIVERY
Advanced	96 Hours	AZ-305	Instructor-led · Live virtual · Blended



✦ WHAT YOU'LL PRACTISE

Design identity and governance	01
Design data storage solutions	02
Design for continuity and resilience	03
Prepare for the AZ-305 exam	04

✦ WHO IT'S FOR

Built for people ready to grow.

01

Beginners & non-tech roles

Cloud fundamentals, AWS CLF, AZ-900, GCP Digital Leader

02

Administrators & SysOps

AZ-104, SOA-C02, GCP ACE

03

Developers

AWS DVA-C02 and AZ-204

04

Architects

SAA, SAP, AZ-305, GCP PCA, multi-cloud

PREREQUISITES

Azure Administrator (AZ-104) level knowledge	01
Experience with Azure networking, security and workloads	02
Understanding of IT operations and governance	03

ROLES YOU CAN TARGET

- Azure Solutions Architect ↗
- Cloud Architect ↗
- Enterprise Architect ↗
- Cloud Infrastructure Lead ↗
- Cloud Consultant ↗

✦ LEARNING OUTCOMES

What you'll be able to do.

01 Design identity, governance and monitoring solutions on Azure

02 Design relational, non-relational and analytics data storage

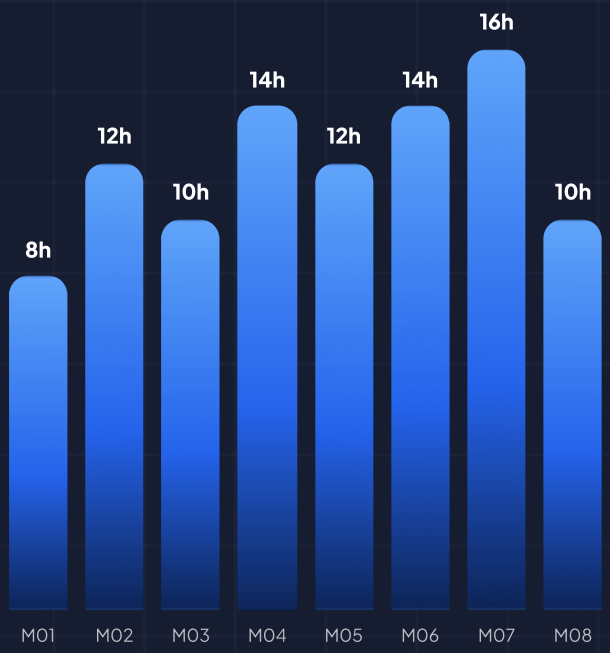
03 Design backup, disaster recovery and high availability solutions

04 Design compute, application architecture and network solutions

05 Plan migrations using the Cloud Adoption Framework

06 Apply Well-Architected Framework trade-offs to case studies

HOURS PER MODULE



✦ PROGRAM RUNWAY

Your journey, module by module.

8
MODULES · 96 HRS

01	**Architecture Foundations on Azure** Role of the Azure architect, Azure Well-Architected Framework, Cloud Adoption Framework	8 hrs
02	**Identity and Access Design** Microsoft Entra ID design, Hybrid identity and Entra Connect, Conditional Access and PIM	12 hrs
03	**Governance and Monitoring Design** Management group hierarchy, Azure Policy and initiatives at scale, Cost governance and tagging	10 hrs
04	**Data Storage Solutions** Azure SQL Database and Managed Instance, Cosmos DB design and consistency, Storage account design	14 hrs
05	**Business Continuity Design** Backup strategies with Azure Backup, Disaster recovery with Site Recovery, High availability for compute and data	12 hrs
06	**Compute and Application Architecture** Choosing compute: VMs, App Service, AKS, Functions, Container Apps and microservices, Messaging: Service Bus, Event Grid, Event Hubs	14 hrs
07	**Network Solutions and Migration** Hub-and-spoke and Virtual WAN, ExpressRoute and VPN design, Private Link and private endpoints	16 hrs
08	**Case Studies and Exam Preparation** AZ-305 skills outline review, Case study question practice, Design trade-off discussions	10 hrs
★	**Capstone · Enterprise Azure Solution Architecture** Assessment, capstone review and certification	

✦ DETAILED CURRICULUM

The syllabus.

Modules 01–03

MODULE 01

Architecture Foundations on Azure

8 hours

Hands-on lab
Assess a case study and map requirements to Well-Architected pillars.

TOPICS COVERED

- Role of the Azure architect
- Azure Well-Architected Framework
- Cloud Adoption Framework
- Azure landing zones
- Requirements gathering and trade-offs

MODULE 02

Identity and Access Design

12 hours

Hands-on lab
Design an identity solution with hybrid sync, Conditional Access and PIM.

TOPICS COVERED

- Microsoft Entra ID design
- Hybrid identity and Entra Connect
- Conditional Access and PIM
- Managed identities for apps
- B2B and External ID
- Authorisation with RBAC

MODULE 03

Governance and Monitoring Design

10 hours

Hands-on lab
Design a governance hierarchy with policies and a monitoring strategy.

TOPICS COVERED

- Management group hierarchy
- Azure Policy and initiatives at scale
- Cost governance and tagging
- Azure Monitor and Log Analytics design
- Microsoft Sentinel and Defender for Cloud

LEARN BY DOING

8 guided labs, one in every module.

✦ DETAILED CURRICULUM

Syllabus, continued.

Modules 04–06

MODULE 04

Data Storage Solutions

14 hours

Hands-on lab
Choose and justify data stores for a multi-workload case study.

TOPICS COVERED

- Azure SQL Database and Managed Instance
- Cosmos DB design and consistency
- Storage account design
- Data integration with Data Factory
- Analytics with Microsoft Fabric and Synapse
- Data protection and encryption

MODULE 05

Business Continuity Design

12 hours

Hands-on lab
Design a DR solution with defined RPO and RTO for a critical app.

TOPICS COVERED

- Backup strategies with Azure Backup
- Disaster recovery with Site Recovery
- High availability for compute and data
- Availability zones and region pairs
- RPO, RTO and SLA composition

MODULE 06

Compute and Application Architecture

14 hours

Hands-on lab
Design an event-driven microservices architecture with AKS and Service Bus.

TOPICS COVERED

- Choosing compute: VMs, App Service, AKS, Functions
- Container Apps and microservices
- Messaging: Service Bus, Event Grid, Event Hubs
- API Management
- Caching and CDN
- AI service integration patterns

LEARN BY DOING

8 guided labs, one in every module.



✦ DETAILED CURRICULUM

Syllabus, continued.

Modules 07–08

MODULE 07

Network Solutions and Migration

16 hours

Hands-on lab
Design a Virtual WAN network and a migration plan using Azure Migrate.

TOPICS COVERED

- Hub-and-spoke and Virtual WAN
- ExpressRoute and VPN design
- Private Link and private endpoints
- Azure Firewall and Front Door
- Load balancing selection
- Migration with Azure Migrate and DMS

MODULE 08

Case Studies and Exam Preparation

10 hours

Hands-on lab
Solve a full case study under timed conditions and review answers.

TOPICS COVERED

- AZ-305 skills outline review
- Case study question practice
- Design trade-off discussions
- Practice assessments
- Targeted revision



CAPSTONE

Enterprise Azure Solution Architecture

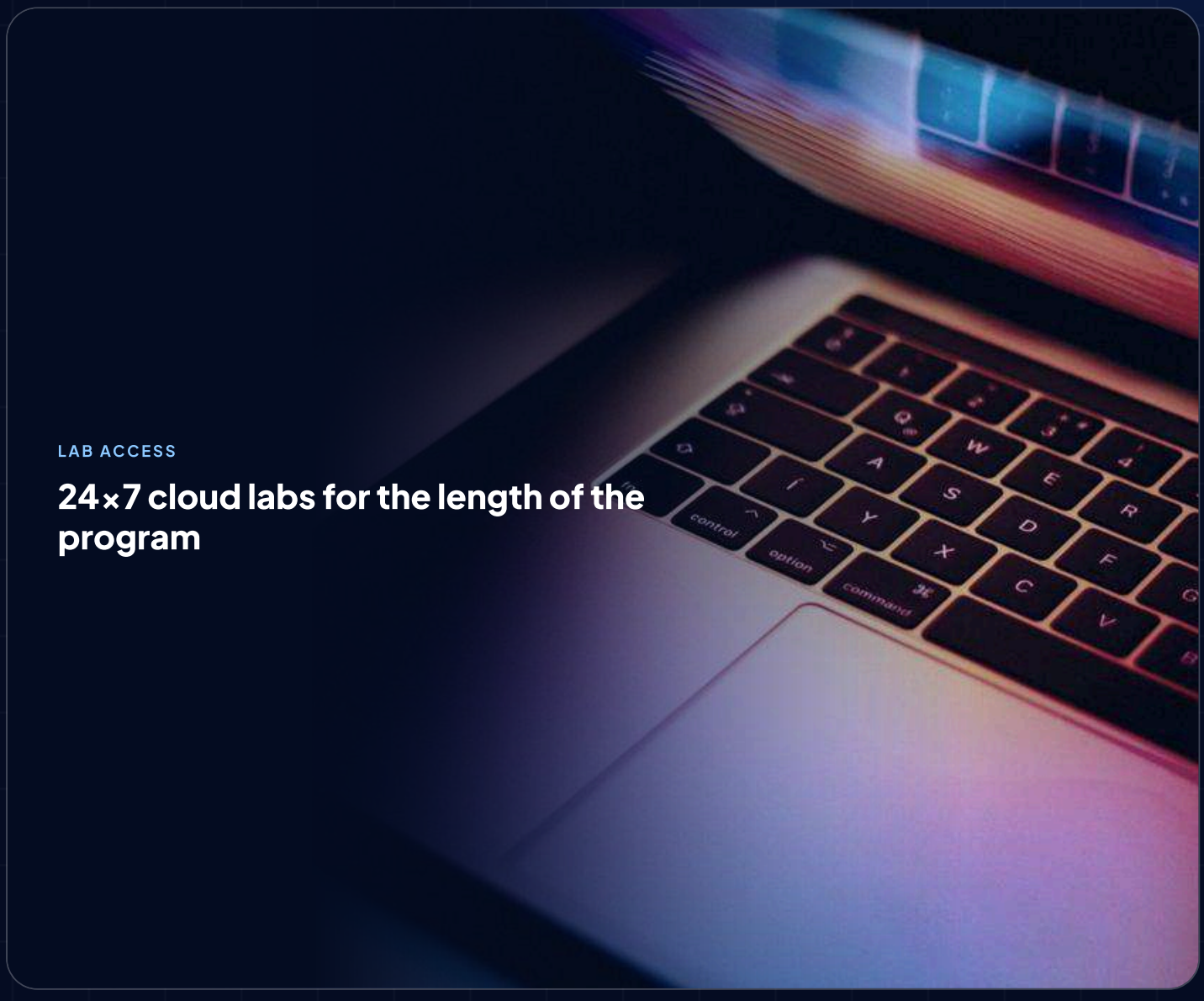
✦ YOUR STACK

Tools you'll build with.

Real platforms and frameworks — the same stack modern teams ship with, practised in cloud-hosted labs.

Microsoft Azure
Cloud platform

Terraform
Infrastructure as code



LAB ACCESS

24×7 cloud labs for the length of the program

✦ HANDS-ON WORK

Projects that prove you can do it.

01

Azure Landing Zone Design

Design an enterprise landing zone with management groups, policies, identity, networking and monitoring aligned to the Cloud Adoption Framework.

02

Data Platform Architecture

Select and justify data storage and analytics services for operational, analytical and archival workloads with security controls.

03

Resilience and DR Plan

Design backup, high availability and disaster recovery for a critical application with documented RPO, RTO and costs.

CAPSTONE PROJECT

Enterprise Azure Solution Architecture

Produce a complete design for a case organisation: identity and governance, data platform, business continuity, compute and networking, migration approach and cost estimate, presented as an architecture document and defended in a review panel.

Real-world scenario | Mentor review | Portfolio ready



CERTIFICATION

AZ-305

Awarded on successful completion of the program assessments.

- MCQ assessments
- Practical lab evaluation
- Project & capstone review
- Final presentation



✦ HOW YOU LEARN

The SAM Learning Framework™

PHASE 01

S

Scenario

Real-world attack and use-case scenarios open every module.

PHASE 02

A

Apply

Hands-on lab work, CTF challenges and live projects.

PHASE 03

M

Master

Assessment, peer review and certification prep.

PHASE 04

M

Mentor

Post-program career guidance and support.

DELIVERY MODELS

- Instructor-Led (ILT)
- Virtual Instructor-Led
- Self-Paced Online
- E-Learning Licensing
- Blended Learning
- Corporate Onsite
- Bootcamp Intensive
- Hackathon / CTF
- Mentorship

✦ LEARNING PATH · CLOUD COMPUTING

Where this program fits.

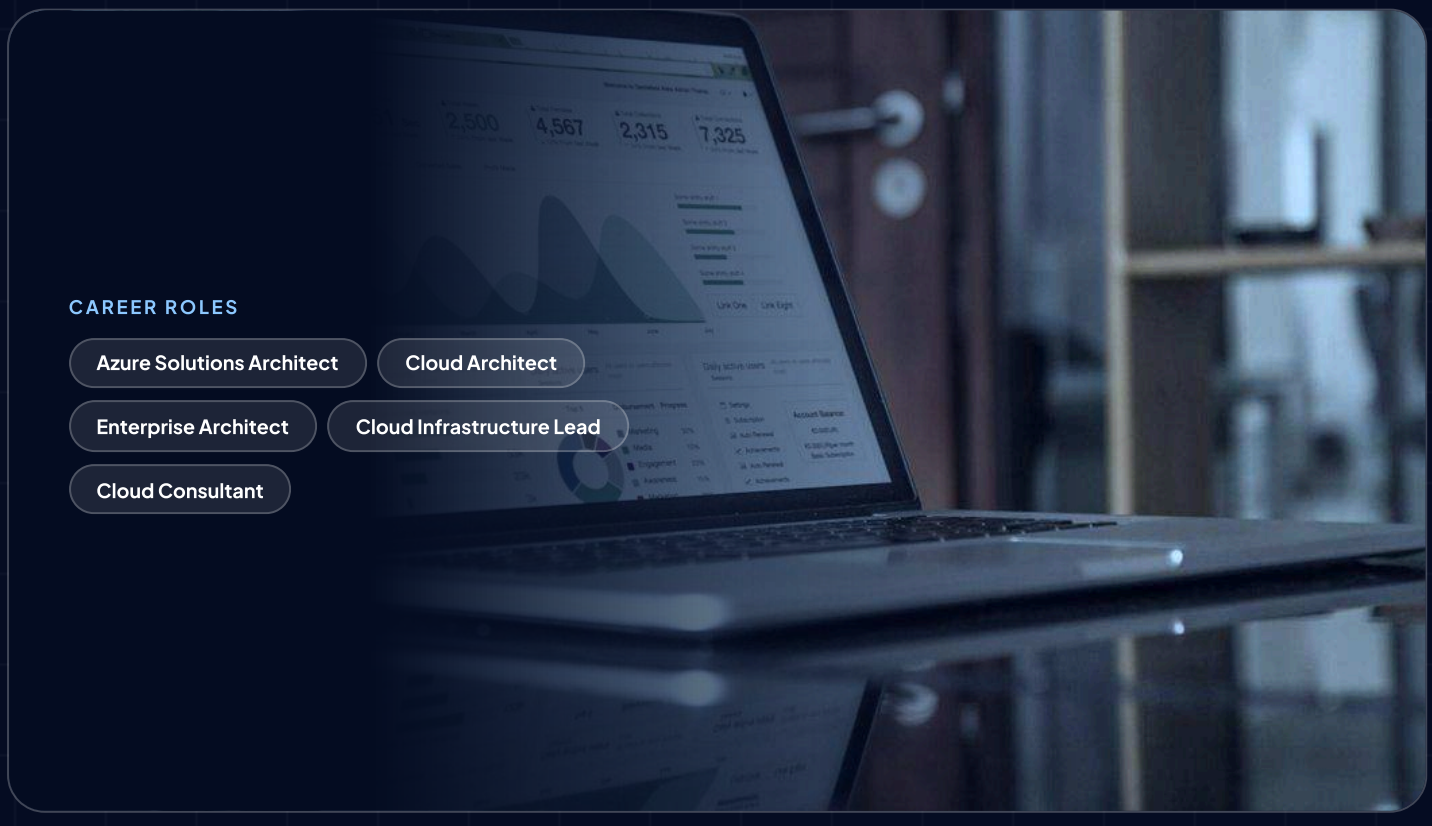
Beginner	Intermediate	Advanced	Expert
4 programs	6 programs	You are here	2 programs

BEFORE THIS

AWS Solutions Architect Associate (SAA-C03)	80 Hours
AWS Developer Associate (DVA-C02)	72 Hours
AWS SysOps Administrator (SOA-C02)	72 Hours
Azure Administrator (AZ-104)	72 Hours

UP NEXT

Cloud Security (AWS/Azure)	72 Hours
Multi-Cloud Architecture & Strategy	80 Hours



CAREER ROLES

- Azure Solutions Architect
- Cloud Architect
- Enterprise Architect
- Cloud Infrastructure Lead
- Cloud Consultant

✦ FAQS

Questions, answered.

Q01

Do I need prior experience?

Yes. This advanced program assumes AZ-104 level knowledge and hands-on experience with Azure networking, security and workloads. Microsoft requires AZ-104 alongside AZ-305 for the Solutions Architect Expert credential, so plan both exams.

Q02

How are classes scheduled and delivered?

Sessions are instructor-led and run as live virtual or blended batches, with weekday and weekend options where available. Timed practice tests and exam-domain reviews are scheduled before the AZ-305 exam, with notes for revision.

Q03

Will I receive a certificate?

The program follows the official Microsoft Designing Azure Infrastructure Solutions (AZ-305) exam guide and includes practice assessments. You receive the Samcommunity Academy AZ-305 certificate after our assessments; the vendor exam is booked and paid for separately with the vendor.

Q04

How do I access labs and tools?

Labs use Microsoft Azure free-tier or sandbox accounts for design validation labs. Instructors show how to set budgets and clean up resources to avoid unexpected charges, and step-by-step lab guides are shared for every module.

Q05

Is career support included?

You get guidance on portfolio projects, resume positioning and interview preparation for relevant roles. Architecture documents make strong portfolio evidence for senior roles. We do not guarantee jobs, placements or salaries.



✦ LET'S TALK

Start Azure Solutions Architect with Samcommunity.

INDIVIDUALS

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Batches, enrolment & career guidance

CORPORATE & INSTITUTIONS

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Team batches & custom programs

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