Cloud & Application Security

Program Brochure · 2026

AZURE SECURITY ENGINEER (AZ-500) PREP

Secure Microsoft Azure end-to-end.

Intermediate

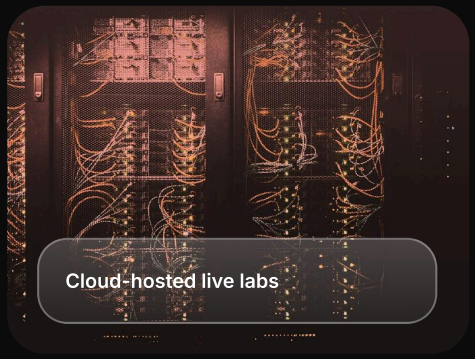
56 Hours

AZ-500

Cybersecurity

Cloud & Application Security

8 programs in this track



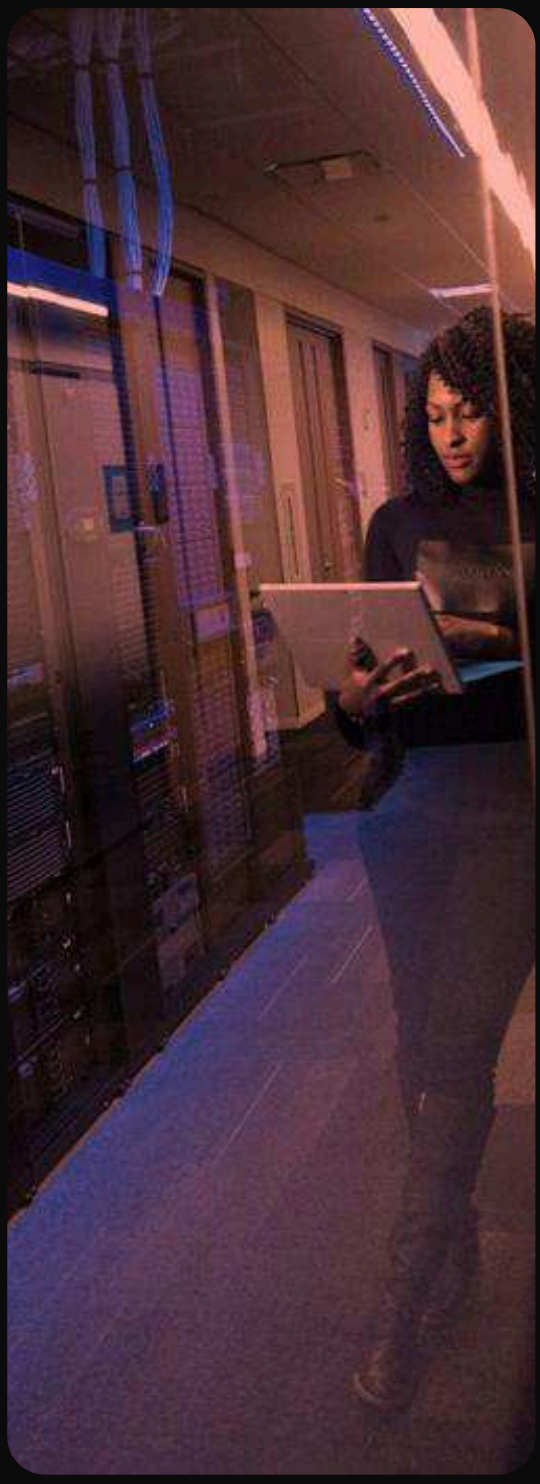
6

modules · hands-on labs · capstone project

Inside this brochure

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AT A GLANCE

Level	**Intermediate**
Duration	**56 Hours**
Modules	**6**
Certificate	**AZ-500**

Program overview

Secure Microsoft Azure end-to-end.

Preparation for AZ-500 — identity and access, platform protection, security operations and data protection on Azure.

Microsoft Azure runs enterprise workloads worldwide, and the AZ-500 certification signals the skill to secure them end to end. This program provides exam-focused, hands-on preparation across identity and access, platform protection, security operations and data protection. You build practical Azure security skills while preparing confidently for the official AZ-500 exam.

DELIVERY

Instructor-led · Live virtual · Blended



WHAT YOU'LL PRACTISE

- Manage identity and access in Azure
- Secure networks, compute and storage
- Run security operations and monitoring
- Prepare for the AZ-500 exam

LEVEL

Intermediate

DURATION

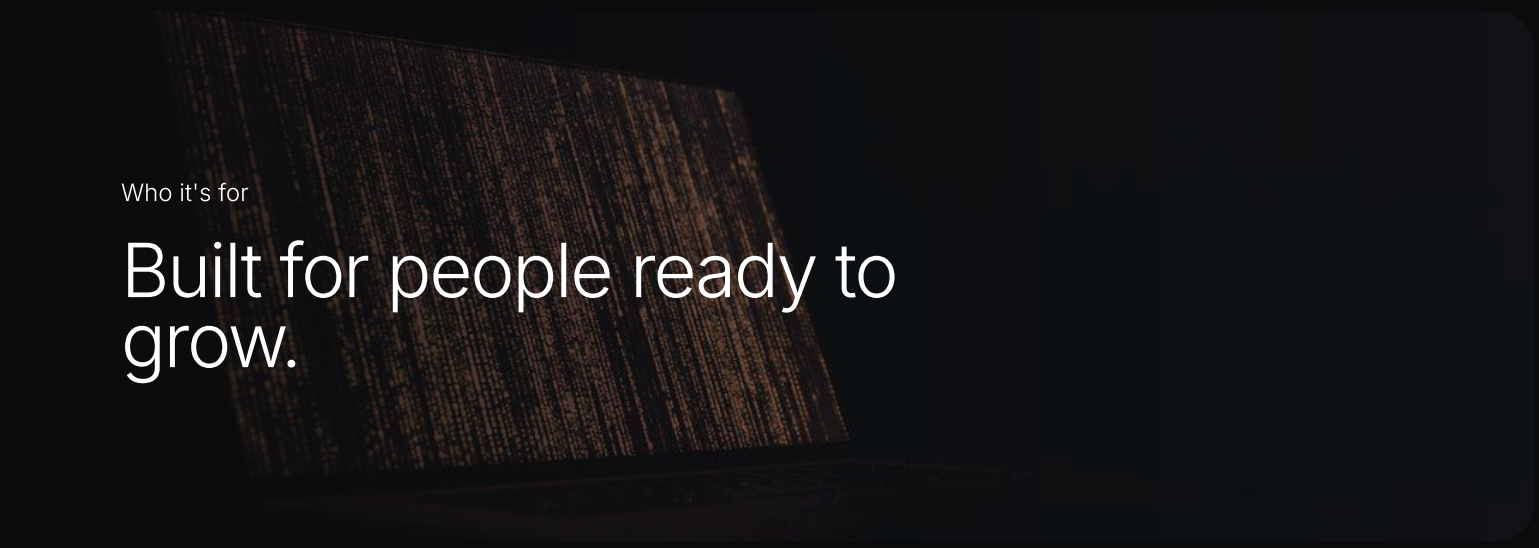
56 Hours

CERTIFICATION

AZ-500

TRACK

Cloud & Application Security



Who it's for

Built for people ready to grow.

01

Fresh graduates & career switchers

Start with SOC-L1 or Ethical Hacking Fundamentals

02

SOC & IT teams

Level up to SIEM, EDR, DFIR and threat hunting

03

Pen testers & red teamers

Web, network, API, mobile and red-team programs

04

Security leaders

GRC, ISO 27001, risk and CISO leadership

PREREQUISITES

Working knowledge of core Azure services	01
Understanding of networking and security basics	02
Some hands-on Azure experience recommended	03

ROLES THIS PREPARES YOU FOR

- Azure Security Engineer ↗
- Cloud Security Engineer ↗
- DevSecOps Engineer ↗
- Cloud Infrastructure Engineer ↗
- Security Operations Analyst ↗
- Cloud Consultant ↗

Learning outcomes

What you'll be able to do.



01	Manage identity and access using Microsoft Entra ID
02	Secure networks, compute and storage across Azure
03	Implement platform protection controls and guardrails effectively
04	Run security operations with Microsoft Defender and Sentinel
05	Protect data with encryption and key management
06	Prepare thoroughly for the Microsoft AZ-500 exam

Program runway

Module by module.

6
modules · 56 hours

01	**Azure Security Foundations** Azure security model, Subscription and management groups, Security services overview	8 hrs
02	**Identity and Access with Entra ID** Microsoft Entra ID, Conditional access, Role-based access control	12 hrs
03	**Platform and Network Protection** Virtual network security, Network security groups, Azure Firewall	12 hrs
04	**Security Operations** Microsoft Defender for Cloud, Microsoft Sentinel, Alerts and workbooks	10 hrs
05	**Data and Application Security** Azure Key Vault, Storage security, Database security	8 hrs
06	**Review and Exam Prep** Domain review, Exam strategy, Practice questions	6 hrs
★	**Capstone · Secure Azure Environment Build** Assessment, capstone review and certification	

The syllabus.

Modules 01–03

Module 01

Azure Security Foundations

8 hours

Hands-on lab
Set up a secure subscription structure with Azure Policy guardrails

TOPICS COVERED

- Azure security model
- Subscription and management groups
- Security services overview
- Exam domain mapping
- Azure governance
- Policy basics

Module 02

Identity and Access with Entra ID

12 hours

Hands-on lab
Configure conditional access and PIM for a sample tenant

TOPICS COVERED

- Microsoft Entra ID
- Conditional access
- Role-based access control
- Privileged Identity Management
- Managed identities
- Identity protection

Module 03

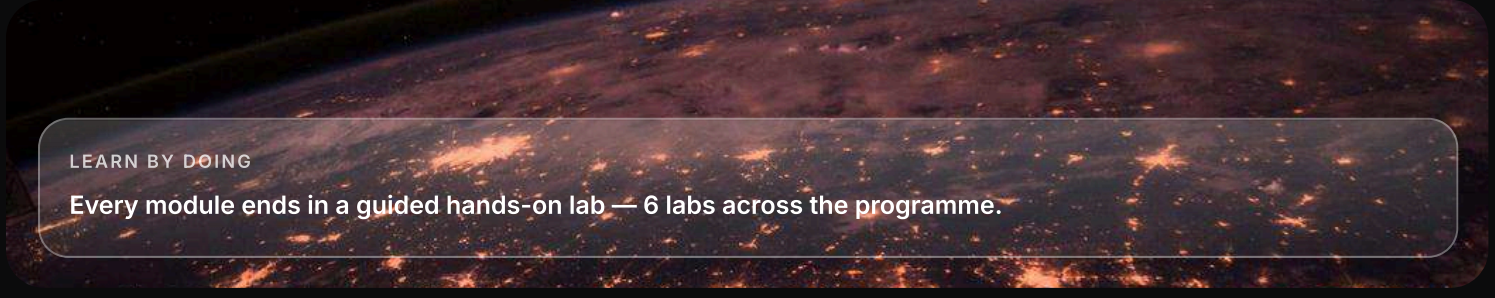
Platform and Network Protection

12 hours

Hands-on lab
Build a protected virtual network with Azure Firewall and WAF

TOPICS COVERED

- Virtual network security
- Network security groups
- Azure Firewall
- Application Gateway and WAF
- Private endpoints
- Compute hardening



LEARN BY DOING

Every module ends in a guided hands-on lab — 6 labs across the programme.

Syllabus, continued.

Modules 04–06

Module 04

Security Operations

10 hours

Hands-on lab
Enable Defender for Cloud and investigate alerts in Sentinel

TOPICS COVERED

- Microsoft Defender for Cloud
- Microsoft Sentinel
- Alerts and workbooks
- Secure score
- Log analytics
- Threat detection

Module 05

Data and Application Security

8 hours

Hands-on lab
Secure storage and databases with Key Vault-managed encryption

TOPICS COVERED

- Azure Key Vault
- Storage security
- Database security
- Encryption options
- Secrets and certificates
- App service protection

Module 06

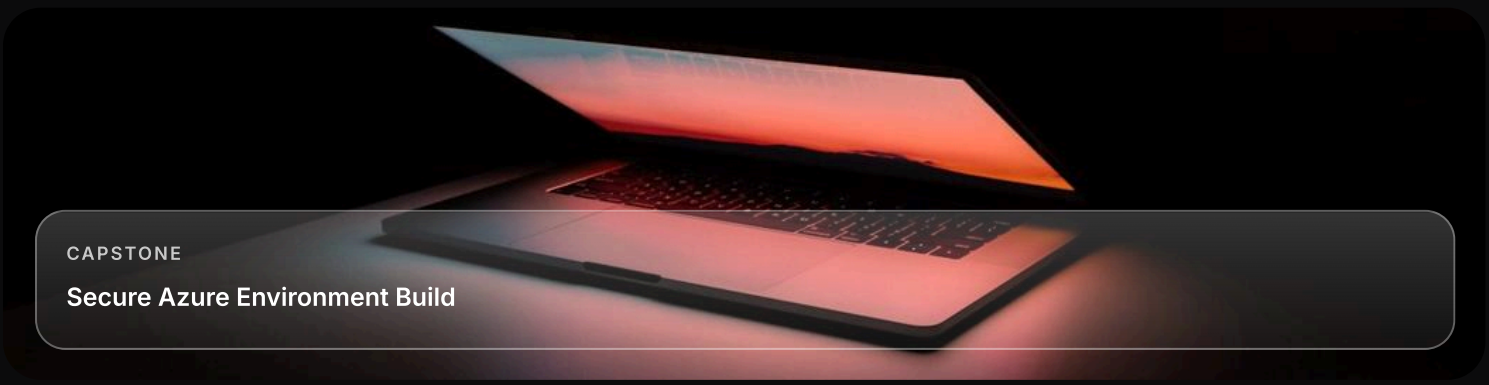
Review and Exam Prep

6 hours

Hands-on lab
Complete a timed practice assessment and review weak domains

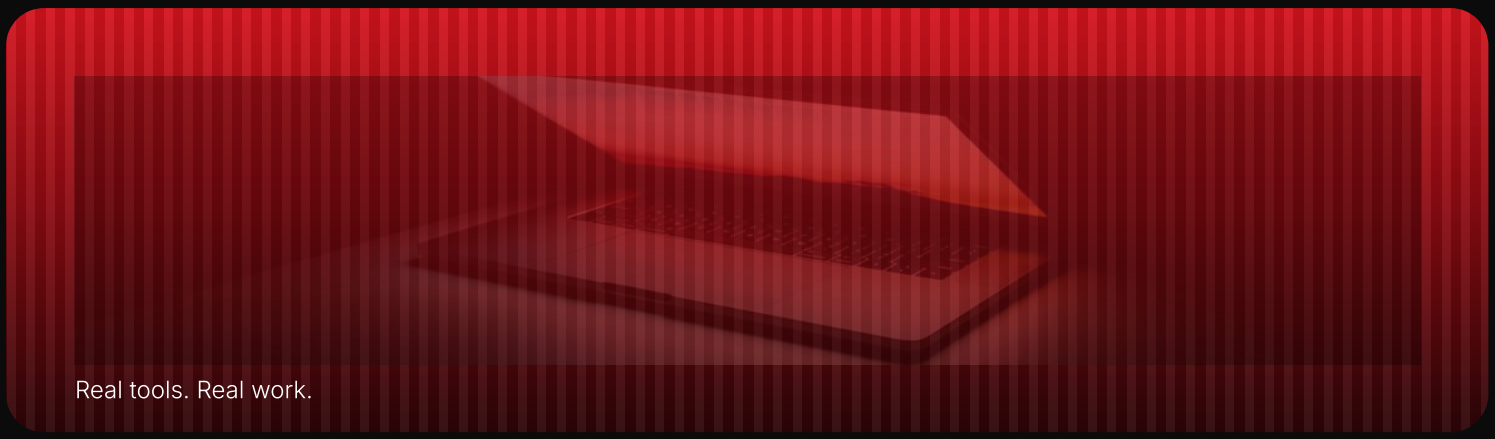
TOPICS COVERED

- Domain review
- Exam strategy
- Practice questions
- Common pitfalls
- Hands-on recap
- Readiness check



CAPSTONE

Secure Azure Environment Build



Microsoft Azure
Cloud platform

Linux
Server & CLI fundamentals

Python
Automation & scripting

Terraform
Infrastructure as code

Frameworks & standards

- MITRE ATT&CK
- NIST CSF
- ISO 27001

FOCUS AREAS

Manage identity and access in Azure	01
Secure networks, compute and storage	02
Run security operations and monitoring	03
Prepare for the AZ-500 exam	04



LAB ACCESS

24×7 cloud labs for the length of the program

01

Identity Hardening

Configure conditional access, RBAC and Privileged Identity Management for a sample Azure tenant and document the access model.

02

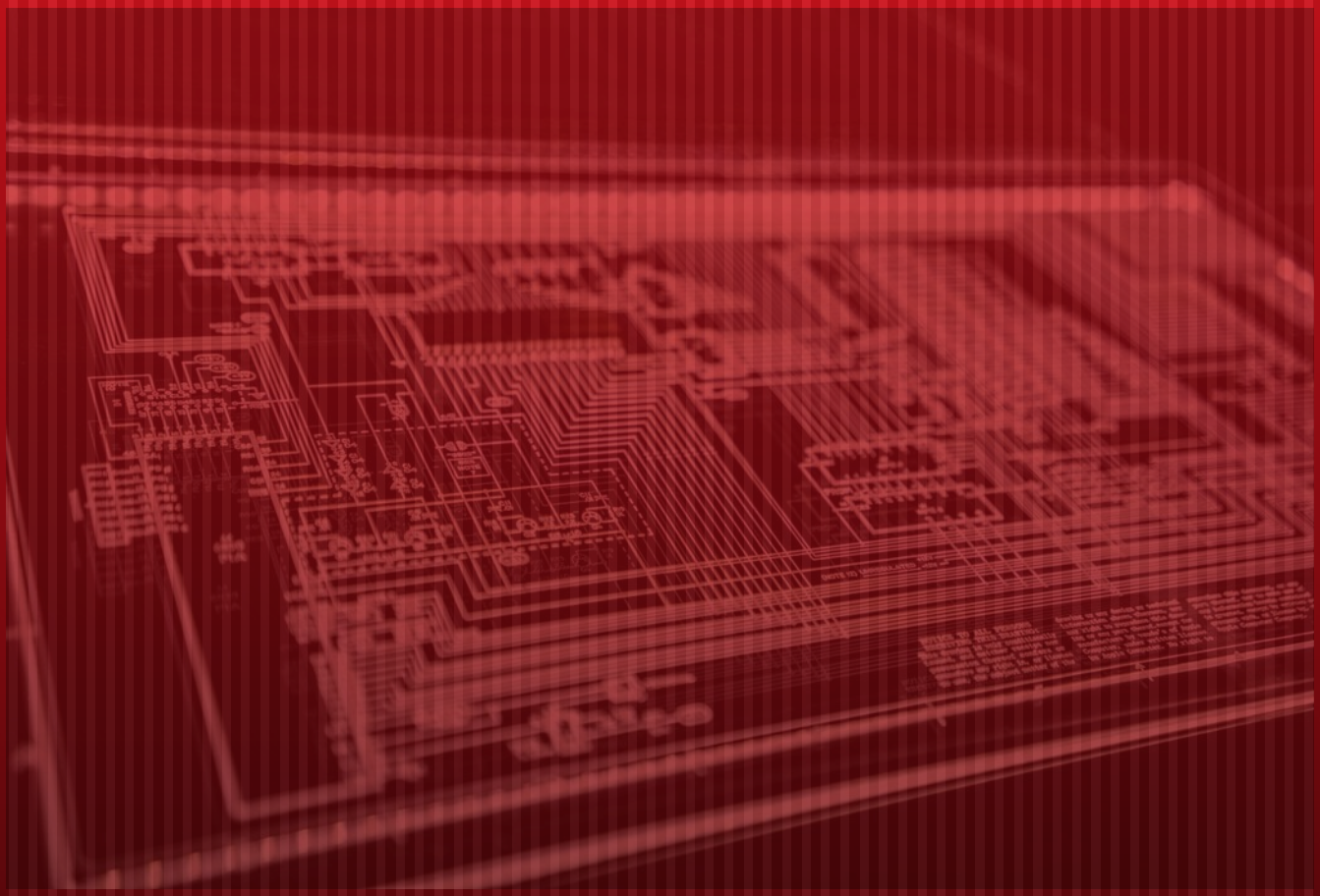
Network Protection Build

Design a protected Azure virtual network with firewall, WAF and private endpoints, explaining how each control reduces exposure.

03

Security Operations Setup

Enable Microsoft Defender for Cloud and Sentinel for a sample environment, then investigate and document a simulated alert.



Capstone project

Secure Azure Environment Build

Secure a complete sample Azure environment across all AZ-500 domains, covering identity, platform and network protection, security operations and data protection, then review each decision against the official exam objectives.

Real-world scenario ↗ Mentor review ↗ Portfolio ready ↗

Certification

AZ-500

Awarded on successful completion of the program assessments.

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



The SAM Learning Framework™

Scenario · Apply · Master · Mentor

Phase 01

Scenario

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

Phase 02

Apply

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

Phase 03

Master

Assessment, peer review and certification prep.

Phase 04

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

Learning path · Cloud & Application Security

Where this program fits.

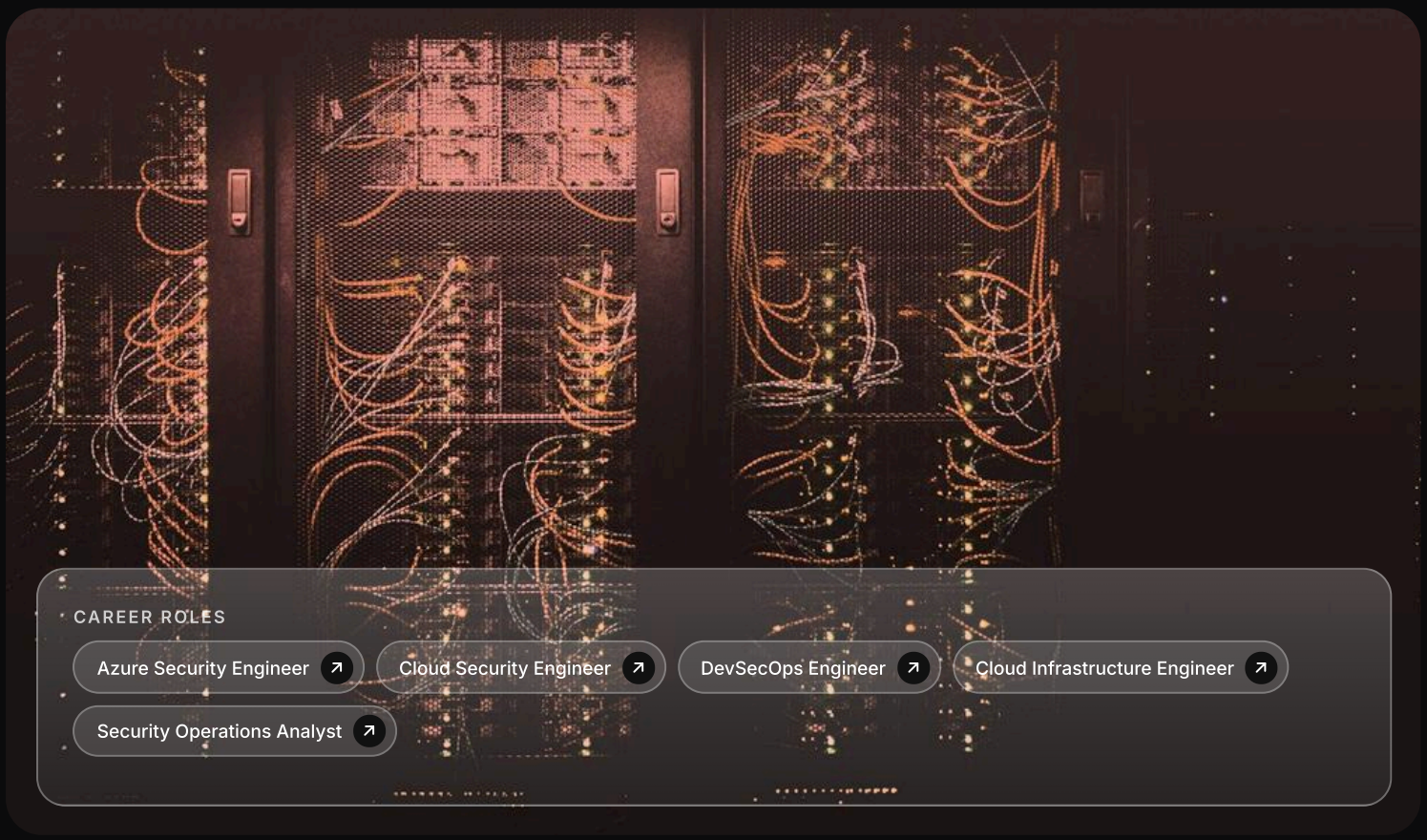
Beginner	Intermediate	Advanced	Expert
1 programs	You are here	3 programs	1 programs

Before this

Cloud Security Fundamentals	32 Hours

Up next

Application Security (SAST/DAST/IAST)	60 Hours
Cloud Penetration Testing	64 Hours
Kubernetes Security	40 Hours



CAREER ROLES

- Azure Security Engineer
- Cloud Security Engineer
- DevSecOps Engineer
- Cloud Infrastructure Engineer
- Security Operations Analyst

Questions, answered.

Q01

Do I need prior experience to join?

Some hands-on Azure experience is recommended. You should know core Azure services and basic networking, as the course focuses on security depth rather than Azure fundamentals.

Q02

How is the program delivered and scheduled?

The 56-hour program is instructor-led, delivered as live virtual sessions or in a blended format combining online and in-person classes in Surat. Weekday and weekend batch timings are confirmed at enrolment.

Q03

Will I receive a certificate?

You receive a Samcommunity Academy completion certificate after passing our internal assessments and mock tests. The official Microsoft AZ-500 exam is booked separately with the certifying body and its fees are not included unless stated.

Q04

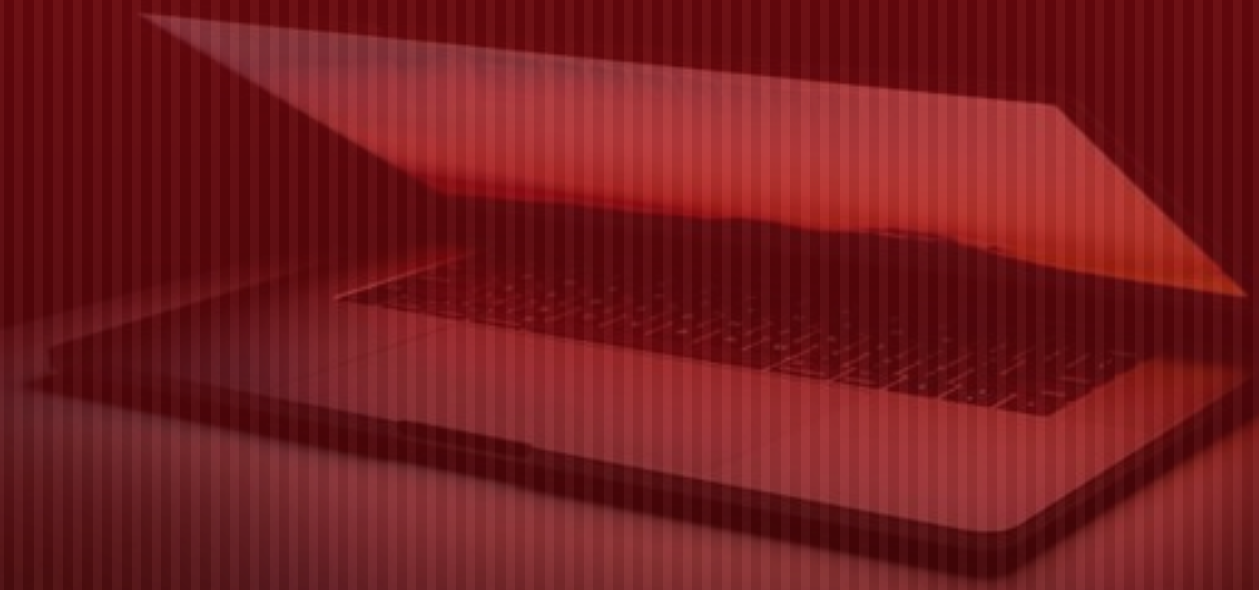
Will I get access to labs and tools?

All hands-on work runs in isolated sandbox cloud accounts and lab environments provided for the course, with setup guides for free-tier and local alternatives you can keep using after the program.

Q05

Is career support included?

Learners receive career guidance including resume and LinkedIn reviews, mock interviews and portfolio feedback. Outcomes depend on individual effort and market conditions, so the Academy does not guarantee jobs, placements or salaries.



Let's talk

START AZURE SECURITY ENGINEER (AZ-500) PREP.

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Learn practical skills. Grow with mentors.

Xylyn Samcommunity Private Limited · DPIIT-recognized startup · Surat, Gujarat, India