

PROFESSIONAL COURSE OUTLINE

Microsoft

SC-100

Cybersecurity Architect Expert

This is an advanced, expert-level course. Although not required to attend, students are strongly encouraged to have taken and passed another associate level certification in the security, compliance and identity portfolio (such as AZ-500, SC-200 or SC-300) before attending this class. This course prepares students with the expertise to design and evaluate cybersecurity strategies in the following areas: Zero Trust, Governance Risk Compliance (GRC), security operations (SecOps), and data and applications. Students will also learn how to design and architect solutions using zero trust principles and specify security requirements for cloud infrastructure in different service models (SaaS, PaaS, IaaS).

Security

Advanced

Defender For Cloud, Microsoft Sentinel, Entra Id, Defender Identity, Defender For Cloud Apps

PROGRAM CODE

SC-100

DELIVERY

Virtual, On-site, or Hybrid

DURATION

4 days

CERTIFICATION

**Microsoft Certified:
Cybersecurity Architect
Expert**

AUDIENCE PROFILE

Who This Program Is For

This course is for experienced cloud security engineers who have taken a previous certification in the security, compliance and identity portfolio. Specifically, students should have advanced experience and knowledge in a wide range of security engineering areas, including identity and access, platform protection, security operations, securing data, and securing applications. They should also have experience with hybrid and cloud implementations. Beginning students should instead take the course SC-900: Microsoft Security, Compliance, and Identity Fundamentals.

PROGRAM SUMMARY

What This Course Covers

As a Microsoft cybersecurity architect, you translate a cybersecurity strategy into capabilities that protect the assets, business, and operations of an organization.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.



Plan the next session

We can tune this outline around your delivery goals and team mix.

TALK TO US

 info@vnodeites.com +91 9419 11 4792 +91 9419 11 4792

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COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.

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MODULE 1

Design solutions that align with security best practices and priorities

SC-100: Design solutions that align with security best practices and priorities

- Introduction to Zero Trust and best practice frameworks
- Design security solutions that align with the Cloud Adoption Framework (CAF) and Well-Architected Framework (WAF)
- Design solutions that align with the Microsoft Cybersecurity Reference Architecture (MCRA) and Microsoft cloud security benchmark (MCSB)
- Design a resiliency strategy for ransomware and other attacks based on Microsoft Security Best Practices

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MODULE 2

Design security operations, identity, and compliance capabilities

SC-100: Design security operations, identity, and compliance capabilities

- Design solutions for regulatory compliance
- Design solutions for identity and access management
- Design solutions for securing privileged access
- Design solutions for security operations
- Interactive case study: Modernizing identity and data security
- Interactive case study: Modernizing user access control and threat resilience

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MODULE 3

Design security solutions for applications and data

SC-100: Design security solutions for applications and data

- Evaluate solutions for securing Microsoft 365
- Design solutions for securing applications
- Design solutions for securing an organization's data
- Interactive case study: Securing apps and data

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MODULE 4

Design security solutions for infrastructure

SC-100: Design security solutions for infrastructure

- Specify requirements for securing SaaS, PaaS, and IaaS services
- Design solutions for security posture management in hybrid and multicloud environments
- Design solutions for securing server and client endpoints
- Design solutions for network security
- Interactive case study: Securing endpoints and infrastructure



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