

# Microsoft 365 - cybersecurity architect

Course code: MOC SC-100

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).

## Prerequisites

Knowledge in extent of the courses which are listed in the bellow sections **Previous Courses** and **Related Courses**

Good understanding of TCP/IP and DNS technologies

## Course outline

Build an overall security strategy and architecture

Design a security operations strategy

Design an identity security strategy

Evaluate a regulatory compliance strategy

Evaluate security posture and recommend technical strategies to manage risk

Understand architecture best practices and how they are changing with the Cloud

Design a strategy for securing server and client endpoints

Design a strategy for securing PaaS, IaaS, and SaaS services

Specify security requirements for applications

Design a strategy for securing data

Recommend security best practices using Microsoft Cybersecurity Reference Architectures (MCRA) and Microsoft Cloud Security Benchmarks

Recommend a secure methodology using the Cloud Adoption Framework (CAF)

Recommend a ransomware strategy by using Microsoft Security Best Practices

## Preparation for Microsoft certification

Most Microsoft certification exams do not require students to attend an official MOC course in order to pass the exam.

This applies to all certifications except for MCM

Official Microsoft MOC courses as well as our own GOC courses are good ways of preparation for Microsoft certifications such as MCP, MTA, MCSA, MCSE or MCM

This does not mean that official MOC courses would serve as the only necessary preparation. The primary goal of an MOC course is to provide for sufficient theoretical knowledge and practical experience to effectively work with the related product

MOC courses usually cover most of the topics required by their respective certification exams, but often do not give every topic the same amount of time and emphasis as may be required to completely pass the exam

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