

Microsoft Azure Solutions for Developers

Microsoft AZ-204 certification

The Microsoft Azure Solutions for Developers course prepares you for Microsoft AZ-204 Exam. It covers Azure architecture, Azure technology development solutions, Azure storage services, and solutions, Cognitive Services such as Computer Vision, QnA Maker, Azure service solutions, and API management services.

You Must Know!

Duration:

40 Hours

Who should attend?

Experienced programmers willing to develop and host solutions in Azure. Learners should be familiar with designing and building cloud solutions.

Prerequisites:

Students should have at least one year of experience in developing scalable solutions through all phases of software development and knowledge in developing apps and services by making use of Azure tools and technologies.

Main Topics:

- Virtual Machines
- Azure App Service
- Containers
- Azure Storage Accounts
- SQL Database
- Blob Containers
- Azure Authentication
- Scaling Apps and Services
- Monitoring and Logging

המכללה שומרת לעצמה את הזכות לערוך מעת לעת, לפי שיקול דעתה, שינויים בתכנית הלימודים, היקף שעות הלימוד, סגל המדריכים וכד', ולא יראו בכל מידע המפורט בדפי מידע של המכללה כהתחייבות כלשהי מצד המכללה.

Course modules

Module 1 – Introduction to Microsoft Azure

- Different segments SaaS, PaaS, and IaaS
- Azure Regions and Data Centers
- Understanding of Microsoft Azure portal
- Introduction to all Azure services
- Windows Azure Subscription
- Setting Up a Trial Subscription

Module 2 – Virtual Machines

- Create Your First VM
- Connect to a VM using RDP

Module 3 – Azure App Service

- App Service Plans
- Create & Deploy a Web App
- Create WebJobs
- Deployment Slots
- The WebApp Console

Module 4 – Containers

- Install Docker for Windows
- Publish to Azure Registry
- Azure Container Instances

Module 5 – Function App

- Durable Functions
- Visual Studio and Functions

Module 6 – Azure Storage Accounts

- Create an Azure Storage Account
- Create a Blob Container

Module 7 – SQL Database

- Create SQL Database
- Set Geo-Replication
- SQL Server Management Studio

Module 8 – Blob Containers

- Create a Blob Container
- Copy Files with AzCopy

Module 9 – Azure Authentication

- Azure Active Directory
- Create Your First Azure AD
- Build and Publish Your Azure AD App

Module 10 – Secure Data using Encryption

- Manage Keys, Secrets and certificates
- Implement Managed identities for Azure Resources

Module 11 – Scaling Apps and Services

- Manual Scaling
- Automatic Scaling

Module 12 – Monitoring and Logging

- Virtual Machine Logging
- Azure Monitor



המרכז הבינלאומי
ללימודי הייטק וחדשנות

✱ 6377

מתקדמים
לקריירה בהייטק



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קמפוסים בפריסה ארצית:

באר שבע

רחוב האנגריה 77
פארק ההייטק

ירושלים

רחוב יפו 34

רחובות

רחוב אופנהיימר 5
פארק המדע

תל אביב

ראול ולנברג 36
קריית עתידים