

# **AZ-900T00:Microsoft Azure Fundamentals**

## Course outline

### Module1: Cloud Concepts

In this module, you'll take an entry level end-to-end look at cloud concepts, which will provide you with a solid foundation for completing the available modules for Azure Fundamentals.

#### *Lessons*

- Cloud Computing
- Cloud benefits
- Cloud service types

After completing this module, students will be able to:

- Describe cloud computing.
- Describe the benefits of using cloud services.
- Describe cloud service types.

### Module2: Azure Architecture and Services

This module explores Microsoft Azure, its architecture, and some of the most commonly used services and resources.

#### *Lessons*

- Core Azure architectural components
- Azure compute and networking services
- Azure storage services
- Azure identity, access, and security

*Lab: Explore the Microsoft Learn and box*

*Lab: Create an Azure resource*

*Lab: Create an Azure virtual machine*

*Lab: Configure network access*

*Lab: Create a storage blob*

After completing this module, students will be able to:

- Describe the core architectural components of Azure.
- Describe Azure compute and networking services.
- Describe Azure storage services.
- Describe Azure identity, access, and security.

### Module3: Core Solutions

In this module, you'll learn about the management and governance resources available to help you manage your cloud and on-premises resources.

#### *Lessons*

- Cost management in Azure
- Features and tools in Azure for governance and compliance
- Feature and tools for managing and deploying Azure resources
- Monitoring tools in Azure

*Lab: Configure a resource lock*

*Lab : Compare work load costs using the Total Cost of Ownership calculator*

*Lab : Estimate workload costs using the Pricing calculator*

After completing this module, students will be able to:

- Describe cost management in Azure.
- Describe features and tools in Azure for governance and compliance.
- Describe features and tools for managing and deploying Azure resources.
- Describe monitoring tools in Azure.