APPLIED TECHNOLOGY ACADEMY

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# Designing Microsoft Azure Infrastructure Solutions (AZ-305) Training

**Microsoft Authorized Training · Applied Technology Academy**

This Designing Microsoft Azure® Infrastructure Solutions course teaches Azure Solution Architects how to design infrastructure solutions and prepares you with the knowledge you need for the AZ-305 certification exam. Course topics cover governance, computing, application architecture, storage, data integration, authentication, networks, business continuity, and migrations. The course combines lectures with case studies to demonstrate basic architect design principles.

| LEVEL | DURATION | EXPERIENCE | AVERAGE SALARY | LABS |
|---|---|---|---|---|
| **Intermediate** | **4 Days** | **2 years: Administering Azure** | **$131,000** | **Yes** |

## Course Overview

You will learn how to:

- Design governance, computing, and data integration solutions
- Design an application architecture
- Design non-relational and relational storage
- Design authentication, authorization, and identity solutions
- Design network and monitoring solutions
- Design high availability solutions
- Design backup and disaster recovery solutions
- Design migration solutions
- Continue learning and face new challenges with after-course one-on-one instructor coaching

## Course Outline

- **Module 1: Design governance and compute solutions**
  - In this module you will learn about governance and compute solutions.
  - Lessons
  - Design a governance solution
  - Design a compute solution
  - Lab: Case studies
  - After completing this module, students will be able to:
  - Design a governance solution
- **Module 2: Design storage and data integration solutions**

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  - In this module, you will learn about non-relational storage, relational storage, and data integration solutions.
  - Lessons
  - Design a non-relational storage solution
  - Design a relational storage solution.
  - Design a data integration solution
  - Lab: Case studies
  - After completing this module, students will be able to:
  - Design a non-relational storage solution
  - Design a relational storage solution
  - Design a data integration solution
- **Module 3: Design app architecture, access, and monitoring solutions**
  - In this module you will learn about app architecture, authentication and authorization, and logging and monitoring solutions
  - Lessons
  - Design an app architecture solution
  - Design authentication and authorization solutions
  - Design a logging and monitoring solution
  - Lab: Case studies
  - After completing this module, students will be able to:
  - Design an app architecture solution
  - Design authentication and authorization solutions
  - Design a logging and monitoring solution
- **Module 4: Design network, continuity, and migration solutions**
  - In this module you will learn about networking, business continuity, and migration solutions.
  - Lessons
  - Design a network infrastructure solution
  - Design a business continuity solution
  - Design a migration solution
  - Lab: Case studies
  - After completing this module, students will be able to:
  - Design a networking infrastructure solution
  - Design a business continuity solution
  - Design a migration solution

## Intended Audience

Successful students have experience and knowledge in IT operations, including networking, virtualization, identity, security, business continuity, disaster recovery, data platforms, and governance. Students also have experience designing and architecting solutions.

## Prerequisites

Before attending this course, students must have previous experience deploying or administering Azure

resources and conceptual knowledge of:

- Azure Active Directory
- Azure compute technologies such as VMs, containers and serverless solutions
- Azure virtual networking to include load balancers
- Azure Storage technologies (unstructured and databases)
- General application design concepts such as messaging and high availability

## Follow-On Courses

- Microsoft Azure Data Fundamentals (Dp-900)
- Azure Security Technologies (AZ-500)

**Ready to enroll?** Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.