

Microsoft Azure AI Fundamentals (AI-900) Training

Microsoft Authorized Training · Applied Technology Academy

This course introduces fundamentals concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions. The course is not designed to teach students to become professional data scientists or software developers, but rather to build awareness of common AI workloads and the ability to identify Azure services to support them.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Beginner	1 Day	1 year: Azure AI Fundamentals	\$90,000	No

Course Overview

The hands-on exercises in the course are based on Learn modules, and students are encouraged to use the content on Learn as reference materials to reinforce what they learn in the class and to explore topics in more depth.

Course Objectives

In this course, you will:

- Describe Artificial Intelligence workloads and considerations (20–25%)
- Describe fundamental principles of machine learning on Azure (25–30%)
- Describe features of computer vision workloads on Azure (15–20%)
- Describe features of Natural Language Processing (NLP) workloads on Azure (25–30%)

Course Outline

- **Lesson 1: Explore Fundamentals of Artificial Intelligence**
 - In this module, you'll learn about common uses of artificial intelligence (AI), and the different types of workload associated with AI. You'll then explore considerations and principles for responsible AI development.
 - Lessons
 - Introduction to Artificial Intelligence
 - Artificial Intelligence in Microsoft Azure
 - After completing this module, students will be able to:
 - Describe Artificial Intelligence workloads and considerations
- **Lesson 2: Explore Fundamentals of Machine Learning**
 - Machine learning is the foundation for modern AI solutions. In this module, you'll learn about some fundamental machine learning concepts, and how to use the Azure Machine Learning

service to create and publish machine learning models.

- Lessons
- Introduction to Machine Learning
- Azure Machine Learning
- After completing this module, students will be able to:
- Describe fundamental principles of machine learning on Azure

- **Lesson 3: Explore Fundamentals of Computer Vision**

- Computer vision is the area of AI that deals with understanding the world visually, through images, video files, and cameras. In this module, you'll explore multiple computer vision techniques and services.
- Lessons
- Computer Vision Concepts
- Creating Computer Vision solutions in Azure
- After completing this module, students will be able to:
- Describe features of computer vision workloads on Azure

- **Lesson 4: Explore Fundamentals of Natural Language Processing**

- This module describes scenarios for AI solutions that can process written and spoken language. You'll learn about Azure services that can be used to build solutions that analyze text, recognize and synthesize speech, translate between languages, and interpret commands.
- Lessons
- Introduction to Natural Language Processing
- Building Natural Language Solutions in Azure
- After completing this module, students will be able to:
- Describe features of Natural Language Processing (NLP) workloads on Azure

Intended Audience

The Azure AI Fundamentals course is designed for anyone interested in learning about the types of solution artificial intelligence (AI) makes possible, and the services on Microsoft Azure that you can use to create them. You don't need to have any experience of using Microsoft Azure before taking this course, but a basic level of familiarity with computer technology and the Internet is assumed. Some of the concepts covered in the course require a basic understanding of mathematics, such as the ability to interpret charts. The course includes hands-on activities that involve working with data and running code, so a knowledge of fundamental programming principles will be helpful.

Prerequisites

Prerequisite certification is not required before taking this course. Successful Azure AI Fundamental students start with some basic awareness of computing and internet concepts, and an interest in using Azure AI services.

Specifically:

- Experience using computers and the internet
- Interest in use cases for AI applications and machine learning models
- A willingness to learn through hands-on exploration

Follow-On Courses

- Data Engineering on Microsoft Azure (DP203)
- Microsoft Azure Security Technologies (AZ-500)
- Microsoft Azure Data Fundamentals (DP-900)
- Developing Solutions for Microsoft Azure (AZ-204)
- Designing Microsoft Azure Infrastructure Solutions (AZ-305)

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.