

Microsoft Azure AI Fundamentals

Code:	AI-900T00
Length:	1 days
URL:	View Online

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. The course is designed as a blended learning experience that combines instructor-led training with online materials on the Microsoft Learn platform (<https://azure.com/learn>). 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.

Audience Profile

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.

Skills Gained

After completing this course, you will be able to:

- Describe Artificial Intelligence workloads and considerations
- Describe fundamental principles of machine learning on Azure
- Describe features of computer vision workloads on Azure
- Describe features of Natural Language Processing (NLP) workloads on Azure
- Describe features of conversational AI workloads on Azure

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.

Course Details

Outline

- Fundamental AI Concepts
- Fundamentals of machine learning
- Fundamentals of Azure AI services
- Fundamentals of Computer Vision
- Fundamentals of Facial Recognition
- Fundamentals of optical character recognition
- Fundamentals of Text Analysis with the Language Service
- Fundamentals of question answering with the Language Service
- Fundamentals of conversational language understanding
- Fundamentals of Azure AI Speech
- Fundamentals of Azure AI Document Intelligence
- Fundamentals of Knowledge Mining and Azure AI Search
- Fundamentals of Generative AI
- Fundamentals of Azure OpenAI Service
- Fundamentals of Responsible Generative AI

Follow-on Courses

Browse the suggested follow-on courses below and continue your training journey. We offer training in various learning formats, from instructor-led to virtual, so you can choose what works best for you. Get started by selecting a course to learn more.

Azure Data and AI - Designing and Implementing an Azure AI Solution

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