Artificial Intelligence (AI)

AI-900T00: Microsoft Azure AI Fundamentals

$695.00

- 1 Day

Upcoming Dates

Jun 02
Jul 21
Sep 15
Nov 17
Dec 08

Course Description

Artificial Intelligence (AI) will define the next generation of software solutions and unlocks the potential to create amazing applications. 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.

This course can be taken as an optional first step in learning about cloud AI services with Microsoft Azure, before taking further Azure role-based certifications like Azure Data Scientist Associate or Azure AI Engineer Associate. This course is designed to be delivered in one full day. The course is designed as a blended learning experience that combines instructor-led training with online materials on the Microsoft Learn platform (https://docs.microsoft.com/learn). The hands-on exercises in the course are completed in the associated Microsoft Learn modules, and students are encouraged to use the content on Learn as reference materials to reinforce what they learn in class and to explore topics in more depth.

Course Outline

Module 1: Microsoft Azure AI Fundamentals: AI Overview

Lessons

- Fundamental AI concepts
- Fundamentals of machine learning
- Fundamentals of Azure AI services

Module 2: Microsoft Azure AI Fundamentals: Computer Vision

Lessons:

- Computer Vision Concepts
- Computer Vision capabilities in Azure

Module 3: Microsoft Azure AI Fundamentals: Natural Language Processing

Lessons:

- Natural Language Processing Concepts
- Building Natural Language capabilities in Azure

Module 4: Microsoft Azure AI Fundamentals: Document Intelligence and Knowledge Mining

Lessons:

- Azure AI Document Intelligence
- Azure AI Search

Module 5: Microsoft Azure AI Fundamentals: Generative AI

Lessons:

- Fundamentals of Generative AI
- Introduction to Azure AI Studio
- Explore responsible generative AI

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.

What You Will Learn