AI-900T00-A: Introduction to AI in Azure
1-3 Days

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Overview

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.

Why the variable days

This gives you the opportunity to expand the course to experience more real-world examples, including your own projects through a mentoring approach. It also allows for guided Hands-On Labs during class time, so the student finishes the exercises with guided help from the instructor and is not left to complete the learning process on their own time.

Audience Profile

The Introduction to AI in Azure 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.

Course Syllabus

Introduction to AI concepts

Curious about artificial intelligence? Want to understand what all the buzz is about? This module introduces you to the world of AI.

Introduction to machine learning concepts

Machine learning is the basis for most modern artificial intelligence solutions. A familiarity with the core concepts on which machine learning is based is an important foundation for understanding AI.

Get started with machine learning in Azure

Learn how to design a model training solution for machine learning projects.

Introduction to generative AI concepts
In this module, you explore the way in which language models enable AI applications and services to generate original content based on natural language input.

Introduction to natural language processing concepts
Natural language processing (NLP) supports applications that can see, hear, speak with, and understand users. In this module you learn about the concepts that make NLP possible.

Get started with natural language processing in Azure
Explore Azure AI Language's natural language processing (NLP) features, which include sentiment analysis, key phrase extraction, named entity recognition, and language detection.

Get started with speech in Azure
Learn how to recognize and synthesize speech by using Azure AI Speech.

Introduction to computer vision concepts
Learn about computer vision concepts

Get started with computer vision in Azure
Azure AI Vision service enables software engineers to create intelligent solutions that extract information from images; a common task in many artificial intelligence (AI) scenarios.

Introduction to AI-powered information extraction concepts
Learn how to implement AI-powered information extraction from multiple data sources

Get started with AI-powered information extraction in Azure
AI gives you the power to unlock insights from your data. In this module, you'll learn how to use Azure AI services to extract information from content.