

MS-AI900T00: INTRODUCTION TO AI IN AZURE

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	CERTIFICATION
1 Day	Beginner	Azure	Instructor-led	AI-900 Exam

INTRODUCTION

This course introduces fundamental 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 Introduction to AI in Azure course is designed for anyone interested in learning about the types of solutions 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 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

Before attending this course, students must have familiarity with Azure and the Azure portal.

COURSE CONTENT

Module 1: Introduction to AI in Azure

This course introduces core concepts related to artificial intelligence (AI) and the services in Microsoft Azure that can be used to create AI solutions.

Module 1.1: 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.

Module 1.3: Get started with machine learning in Azure

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

Module 1.5: Get started with generative AI in Azure

Learn how you can build generative AI applications in Microsoft Foundry portal. Understand how to use Microsoft Foundry portal's extensive model marketplace, playgrounds, and evolving features.

Module 1.7: Get started with natural language processing in Azure

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

COURSE OBJECTIVES

After completing this course, students will be able to:

- Explore fundamental machine learning concepts
- Gain knowledge of computer vision workloads
- Understand natural language processing (NLP) workloads
- Learn about conversational AI workloads
- Familiarize with Azure AI services

Module 1.2: 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.

Module 1.4: Introduction to generative AI and agents

Generative AI powers applications that can create content, answer questions, and assist with tasks. In this module, you'll explore the fundamentals of generative AI, including large language models (LLMs), prompts, and AI agents.

Module 1.6: 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.

Module 1.8: Introduction to AI speech concepts

Imagine AI apps and agents that you can talk to. Explore the concepts behind AI speech, including speech recognition and synthesis.

Module 1.9: Get started with speech in Azure

Learn how to recognize and synthesize speech by using Azure Speech.

Module 1.11: Get started with computer vision in Azure

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

Module 1.13: 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.

Module 1.10: Introduction to computer vision concepts

Introduction to computer vision concepts

Module 1.12: Introduction to AI-powered information extraction concepts

AI information extraction enables you to extract data values from documents, images, and other unstructured data sources.

ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to write the AI-900 Azure AI Fundamentals Exam.