



AI-901T00: Introduction to AI in Azure

Course ID #: 7000-1166-ZZ-Z

Hours: 7

Delivery Method: Group Internet Based

Course Content

Description:

In this course, you will cover: This course introduces fundamental concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions. It teaches a mix of AI concepts and technology skills that are considered foundational to a successful career implementing AI solutions on Microsoft Azure.

Objectives:

Upon successful completion of this course, students will:

- 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:

You don't need to have any experience of using Microsoft Azure before taking this course. Some knowledge of Python coding syntax and programming techniques is useful. Additionally, knowledge of core cloud concepts, including cloud storage, cloud computing, and cloud-based authentication and authorization is recommended.

Target 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.

Topics:

Module 1: Introduction to Azure AI Services

- Core AI Concepts
- Overview of Azure AI portfolio
- Cognitive Services
- Azure OpenAI Service

Module 2: Build Generative AI Solutions with Azure OpenAI

- Using LLMs in Azure
- Prompt engineering
- Safety and content filtering



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Module 3: Build NLP Solutions with Azure AI Language

- Text analytics
- Named entity recognition
- Key phrase extraction

Module 4: Build Speech Solutions with Azure AI Speech

- Speech recognition
- Speech synthesis
- Custom speech models

Module 5: Build Vision Solutions with Azure AI Vision

- Image analysis
- OCR
- Custom vision models

Module 6: Build Document Processing Solutions with Azure AI Document Intelligence

- Layout extraction
- Prebuilt models
- Custom document models

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NASBA CPE details are provided on the following pages.



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NASBA Information

Level: Basic

Advanced Preparation:

Attendance Requirement: To be awarded the full credit hours, you must sign in and attend the entire course.

Recommended Field(s) of Study: Computer Software & Applications

Recommended CPEs: 7.80

Policies: Course Registration, Cancellation, Refund, and Complaint Resolution

For more information regarding administrative policies such as complaint and program cancellation policies, please contact our offices at 800-639-3535 or visit us at: www.tcworkshop.com

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