APPLIED TECHNOLOGY ACADEMY

800.674.3550
Info@AppliedTechAc.com
AppliedTechnologyAcademy.com

Introduction to AI in Azure (AI-901T00) Training

Microsoft Authorized Training · Applied Technology Academy

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.

LEVEL	DURATION	COURSE CODE	DELIVERY
Beginner	**1 Day**	**AI-901T00**	**Instructor-led**

Course Overview

- Fundamental concepts of artificial intelligence, and the Azure services used to build AI solutions.
- A mix of AI concepts and technology skills, foundational to implementing AI solutions on Azure.
- Generative AI and agents, language, speech, computer vision and information extraction.
- Delivered instructor-led in one day.

Course Outline

- **Module 1: Introduction to AI concepts**
  - Generative AI and agents; text and natural language; speech; computer vision; information extraction; responsible AI.
- **Module 2: Introduction to generative AI and agents**
  - Large language models (LLMs); prompts; AI agents.
- **Module 3: Introduction to natural language processing concepts**
  - Tokenization; statistical text analysis; semantic language models.
- **Module 4: Introduction to AI speech concepts**
  - Speech-enabled solutions; speech recognition; speech synthesis.
- **Module 5: Introduction to computer vision concepts**
  - Computer vision tasks and techniques; images and image processing; convolutional neural networks.
  - Vision transformers and multimodal models; image generation.
- **Module 6: Introduction to AI-powered information extraction concepts**
  - Overview of information extraction; optical character recognition (OCR); field extraction and mapping.
- **Module 7: Get started with AI in Azure**
  - Understand Azure; developing AI apps on Azure; Microsoft Foundry for AI; using Microsoft Foundry endpoints.

- **Module 8: Get started with generative AI and agents in Azure**
  - Generative AI models; using a generative AI model; creating an agent.
- **Module 9: Get started with text analysis in Azure**
  - Azure Language; Azure Language SDK; Azure Language MCP.
- **Module 10: Get started with speech in Azure**
  - Speech recognition; speech synthesis; creating a speech-capable agent.
- **Module 11: Get started with computer vision in Azure**
  - Multimodal models for image analysis; image generation models; video generation models.
- **Module 12: Get started with AI-powered information extraction in Azure**
  - Extract information from documents; extract information from audio and video.
  - Every module except Module 7 and Module 8 closes with a module assessment.

Prerequisites

There are no required prerequisites. Success in this course is supported by:

- experience using computers and the internet
- interest in AI workloads and applications
- a basic understanding of math (interpreting charts, simple probability)
- familiarity with fundamental programming concepts (helpful but not required)

Who Should Attend

- Aspiring technology professionals at the beginning of their career in AI solution development.
- Some knowledge of Python coding syntax and programming techniques is useful.
- Knowledge of core cloud concepts - storage, compute, and authentication and authorization - is recommended.

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.