



Course Title: AI-901: Introduction to AI in Azure	Course Duration: 1.0 Day
Exam: Not Included	Exam Type: No Exam
Qualification: Certificate of Completion: AI-901 Introduction to AI in Azure	

Course Syllabus

1 - Introduction to AI concepts

- Generative AI and agents
- Text and natural language
- Speech
- Computer vision
- Information extraction
- Responsible AI
- Module assessment

2 - Introduction to generative AI and agents

- Large language models (LLMs)
- Prompts
- AI agents
- Module assessment

3 - Introduction to natural language processing concepts

- Tokenization
- Statistical text analysis.
- Semantic language models
- Module assessment

4 - Introduction to AI speech concepts

- Speech-enabled solutions
- Speech recognition
- Speech synthesis
- Module assessment

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 assessment

6 - Introduction to AI-powered information extraction concepts

- Overview of information extraction
- Optical character recognition (OCR)
- Field extraction and mapping
- Module assessment

7 - Get started with AI in Azure

- Understand Azure
- Developing AI apps on Azure
- Microsoft Foundry for AI
- Using Microsoft Foundry endpoints

8 - Get started with generative AI and agents in Azure

- Generative AI models
- Using a generative AI model
- Creating an agent

9 - Get started with text analysis in Azure

- Azure Language
- Azure Language SDK
- Azure Language MCP
- Module assessment

10 - Get started with speech in Azure

- Speech recognition
- Speech synthesis
- Creating a speech-capable agent
- Module assessment

11 - Get started with computer vision in Azure

- Multimodal models for image analysis
- Image generation models
- Video generation models
- Module assessment



12 - Get started with AI-powered information extraction in Azure

- Extract information from documents
- Extract information from audio and video
- Module assessment

Course Overview

This course provides learners with a comprehensive foundation in artificial intelligence and how it is applied within Microsoft Azure. It introduces core AI concepts including generative AI, natural language processing, speech, computer vision, and information extraction.

Learners will explore how AI systems understand and generate text, process speech, analyse images, and extract meaningful information from data. The course also introduces Azure AI services and Microsoft Foundry, giving learners practical insight into how AI solutions are developed and deployed in the cloud.

By the end of the course, learners will have a clear understanding of how modern AI systems work and how Azure is used to build intelligent applications, agents, and multimodal AI solutions.

Course Learning Outcomes

By the end of this course, learners will be able to understand the core concepts of artificial intelligence, including generative AI, natural language processing, speech, computer vision, and information extraction. They will be able to explain how large language models, prompts, and AI agents are used in modern AI systems.

Learners will also be able to describe how text is processed using tokenization and semantic models, and how speech technologies such as recognition and synthesis are implemented in AI solutions. They will gain an understanding of computer vision techniques, including image analysis, neural networks, and multimodal models.

In addition, learners will be able to explain how information is extracted from documents and media using OCR and data mapping techniques. They will also gain foundational knowledge of how Azure AI services and Microsoft Foundry are used to build and deploy AI applications and agents.

Finally, learners will be able to identify real-world applications of AI and understand the importance of responsible AI development.

Audience

This course is ideal for beginners who want to understand the fundamentals of artificial intelligence and how it is applied in Microsoft Azure. It is suitable for students, non-technical professionals, and anyone starting a career in AI or cloud computing.

Entry-Level Requirements

No prior experience in AI or cloud computing is required. Basic computer literacy is sufficient.

Recommended Reading



Learners are encouraged to explore introductory Microsoft Learn materials on artificial intelligence, generative AI, natural language processing, and Azure AI services. Reading about basic machine learning concepts and cloud computing fundamentals will also be beneficial.

What's Included

This course includes beginner-friendly training covering the fundamentals of AI and Azure AI services. Learners will explore key concepts such as generative AI, speech, vision, NLP, and information extraction through guided explanations and real-world examples.

Exam Information

This course does not include a formal exam. Learners are assessed through participation and understanding of the material covered. A Certificate of Completion is awarded upon completion.

What's Next

After completing this course, learners can progress to advanced Azure AI training such as AI-103, AI-200, or other AI development and cloud architecture courses.

Additional Information

This is a beginner-level foundation course designed to introduce artificial intelligence concepts in a simple and structured way. No technical background is required.