Introduction to AI in Azure

CODICE	AI-901T00
DURATA	1 gg
PREZZO	490,00 €
EXAM	

DESCRIZIONE

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.

* Questo corso ha sostituito il corso AI-900T00 Introduction to AI in Azure rititaro il 30 aprile 2026

TARGET

This course is for aspiring technology professionals at the beginning of their career in AI solution development. Some knowledge of Python coding syntax and programming techniques is useful. Additionally, knowledge of core cloud concepts, including cloud storage, cloud compute, and cloud-based authentication and authorization is recommended.

CONTENUTI

AI concepts for developers and technology professionals

Introduction to AI concepts

- Artificial intelligence fundamentals
- Common AI workloads
- Generative AI and agents
- Text and natural language
- Speech
- Computer vision
- Information extraction
- Responsible AI

Introduction to generative AI and agents

- Generative AI concepts

- Large language models (LLMs)
- Prompts
- AI agents and agent behaviors

Introduction to natural language processing concepts

- Natural language processing (NLP) scenarios
- Tokenization
- Statistical text analysis
- Semantic language models

Introduction to AI speech concepts

- Speech-enabled solutions
- Speech recognition
- Speech synthesis
- Exercise: Explore AI speech

Introduction to computer vision concepts

- Computer vision tasks and techniques
- Images and image processing
- Convolutional neural networks (CNNs)
- Vision transformers and multimodal models
- Image generation

Introduction to AI-powered information extraction concepts

- Information extraction scenarios
- Optical character recognition (OCR)
- Field extraction and mapping

Get started with AI applications and agents on Azure

Get started with AI in Azure

- Overview of AI workloads in Azure
- Developing AI apps on Azure
- Microsoft Foundry for AI
- Using Microsoft Foundry endpoints

Get started with generative AI and agents in Azure

- Generative AI models in Azure
- AI agents in Microsoft Foundry

- Model deployment and consumption

Get started with text analysis in Azure

- Azure text analysis capabilities
- Sentiment analysis
- Key phrase extraction
- Named entity recognition

Get started with speech in Azure

- Azure Speech services
- Speech-to-text
- Text-to-speech
- Speech translation

Get started with computer vision in Azure

- Azure Vision services
- Image analysis
- Object detection
- Image generation

Get started with AI-powered information extraction in Azure

- Azure information extraction services
- Content Understanding
- Document processing