# Microsoft Azure AI Fundamentals

Course code: MOC AI-901

This one-day course introduces the fundamental concepts of artificial intelligence (AI) and the Microsoft Azure services that can be used to build AI-based solutions. The course combines theoretical knowledge of AI with the technical skills essential for a successful career in implementing AI solutions on the Microsoft Azure platform.

## Assumed entry knowledge

Awareness and basic knowledge in the scope of the courses listed in the sections Previous courses and Related courses

## Course outline

- Introduction to the principles of operation of generative AI and the work of agents
- Introduction to natural language processing mechanisms
- Introduction to the principles of AI speech and understanding
- Introduction to the possibilities of computer vision and graphics analysis
- How AI extracts and summarizes information
- Research Augmented Generation (RAG) Concepts
- Development of AI applications on Azure
- Microsoft Foundry for AI technology
- Use of Microsoft Foundry endpoints
- Generative AI models
- Creating AI agents
- Text analysis in Foundry
- Creating a client application analyzing text
- Agent's use of Azure Language technology
- Speech recognition
- Speech synthesis
- Creating a talking agent
- Multimodal models for image analysis
- Models for image generation
- Models for video generation
- Summary of information from documents
- Summarization of information from audio and video
- Introduction to Foundry IQ technology
- Knowledge base
- Agent connection to Foundry IQ

GOPAS Praha
Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk

Copyright © 2026 GOPAS, a.s.,
All rights reserved