

EXTRACT INSIGHTS FROM VISUAL DATA ON AZURE (AI-3008)

Course Code: 834126

Extract, analyze, and unlock actionable insights from visual data using Azure AI services.

This 1 day course focuses on building intelligent applications that can see, interpret, and reason over images and documents using different multimodal models and agent-based tools. Learners explore how visual and document inputs can be combined with language models to enable structured extraction, analysis, and decision-making workflows. The course emphasizes practical patterns for extracting information, orchestrating tools, and grounding model responses in visual data.

What You'll Learn

By the end of this course, learners will be able to:

- Build and deploy AI solutions on Azure to extract insights from visual data.
- Analyze images and visual content to derive meaningful insights that support business and application scenarios on Azure
- Implement secure and scalable AI workloads on Azure for visual data processing and analysis.
- Evaluate and optimize visual data AI solutions using Azure-native tools and services.

Who Needs to Attend

This course is designed for developers, AI engineers, and technical professionals who want to build applications that work with images and documents using multimodal, agent-driven approaches. It's best suited for learners with basic programming experience and a general understanding of cloud or AI concepts.

Prerequisites

- Familiarity with core Azure concepts, including subscriptions, resource groups, and basic Azure services.
- Basic understanding of AI and machine learning concepts, especially as they relate to visual or image data.
- General awareness of Azure AI services or prior exposure to Azure-based AI solutions.
- Experience working with data or applications in a cloud environment is helpful but not required.

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CLASSROOM LIVE

\$675 USD

1 Day

Classroom Live Outline

Extract insights from visual data on Azure

Module 1: Develop a vision-enabled generative AI application

- Use a vision-capable model in the Microsoft Foundry portal
- Develop a vision-based chat app
- Exercise - Develop a vision-enabled chat app

Module 2: Generate images with AI

- What are image-generation models?
- Explore image-generation models in Microsoft Foundry portal
- Create a client application that uses an image generation model
- Exercise - Generate images with AI
- Module 3: Generate videos with Microsoft Foundry
- Deploy a video generating model
- Generate video from a prompt
- Generate video in Python
- Exercise - Generate video with Sora 2 in Microsoft Foundry

Module 4: Analyze images with Content Understanding

- What is Content Understanding?
- Analyze images with Content Understanding
- Exercise - Analyze images with Content Understanding

Module 5: Create a multimodal analysis solution with Azure Content Understanding

- What is Azure Content Understanding?
- Create a Content Understanding analyzer
- Use the Content Understanding API
- Exercise - Extract information from multimodal content

Module 6: Create an Azure Content Understanding client application

- Prepare to use the AI Content Understanding API
- Create a Content Understanding analyzer

- Analyze content
- Exercise - Develop a Content Understanding client application

Module 7: Extract data with Azure Document Intelligence

- What is Azure Document Intelligence?
- Use the Document Intelligence Studio
- Use prebuilt models
- Train and use custom models
- Exercise - Analyze documents with Document Intelligence

Module 8: Create a knowledge mining solution with Azure AI Search

- What is Azure AI Search?
- Extract data with an indexer
- Enrich extracted data with AI skills
- Search an index
- Persist extracted information in a knowledge store
- Exercise - Create a knowledge mining solution

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VIRTUAL CLASSROOM LIVE

\$675 USD

1 Day

Virtual Classroom Live Outline

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- Develop a vision-based chat app
- Exercise - Develop a vision-enabled chat app

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- Create a client application that uses an image generation model
- Exercise - Generate images with AI
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- Deploy a video generating model
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Sep 21 - 21, 2026 | 9:00 AM - 5:00 PM EDT

Dec 7 - 7, 2026 | 9:00 AM - 5:00 PM EST

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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