

PROFESSIONAL COURSE OUTLINE

Microsoft

Develop AI Solutions in Azure

AI-102T00

AI-102 focuses on developing AI solutions in Azure, including generative AI applications, intelligent agents, natural language, computer vision, and information extraction workloads.

AI

Intermediate

Azure

PROGRAM CODE

AI-102T00

DELIVERY

Virtual, On-site, or Hybrid

DURATION

5 days

CERTIFICATION

Microsoft Certified: Azure AI Engineer Associate

AUDIENCE PROFILE

Who This Program Is For

Software engineers building AI-powered applications with Azure AI Foundry and Azure AI services.

PROGRAM SUMMARY

What This Course Covers

Official Microsoft Learn course aligned to Azure AI engineering responsibilities, covering generative AI apps, agents, computer vision, language, and information extraction scenarios.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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MODULE 1

Get Started with Azure AI Services

Configure, secure, and monitor Azure AI services, including resource provisioning, authentication, and responsible AI controls.

- and monitor Azure AI services
- including resource provisioning
- authentication
- and responsible AI controls

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MODULE 2

Computer Vision and Multimodal AI

Build vision-enabled applications with Azure AI Vision, Video Indexer, and multimodal model capabilities for image and video understanding.

- Build vision-enabled applications with Azure AI Vision
- Video Indexer
- and multimodal model capabilities for image
- video understanding

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MODULE 3

Natural Language Processing and Speech

Implement NLP solutions including text analysis, translation, and conversational language; add speech-to-text and text-to-speech capabilities.

- Implement NLP solutions including text analysis
- and conversational language; add speech-to-text
- text-to-speech capabilities

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MODULE 4

Azure AI Search and Information Extraction

Design AI-enriched search pipelines with Azure AI Search for knowledge mining, extraction, and intelligent document processing.

- Design AI-enriched search pipelines with Azure AI Search for knowledge mining
- and intelligent document processing

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MODULE 5

Generative AI and Intelligent Agents

Build generative AI applications with Azure OpenAI, design agent workflows with Semantic Kernel, and apply evaluation and governance practices.

- Build generative AI applications with Azure OpenAI
- design agent workflows with Semantic Kernel
- and apply evaluation
- governance practices

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