

MS-AI3002: DEVELOP AI INFORMATION EXTRACTION SOLUTIONS IN AZURE



DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
1 Day	Intermediate	Azure AI	Instructor-led	NA

INTRODUCTION

This course is intended for software developers wanting to build AI-infused applications that extract information in Azure, including Azure AI Content Understanding and Azure AI Document Intelligence.

AUDIENCE PROFILE

This course was designed for software engineers concerned with building, managing and deploying AI solutions that leverage Azure AI Foundry and other Azure AI services. They are familiar with C# or Python and have knowledge on using REST-based APIs and SDKs to build solutions on Azure.

PREREQUISITES

This course has no required prerequisite skills to attend.

COURSE OBJECTIVES

After attending this course, delegates will be able to:

- Understand Azure AI Document Intelligence
- Build and Train Custom Models
- Analyze and Extract Data Programmatically
- Deploy and Manage Models
- Integrate with Azure Cognitive Search

COURSE CONTENT

Module 1: Create a multimodal analysis solution with Azure AI Content Understanding

Use Azure AI Content Understanding for multimodal content analysis and information extraction.

Lessons

- Introduction
- What is Azure AI Content Understanding?
- Create a Content Understanding analyzer
- Use the Content Understanding REST API
- Exercise - Extract information from multimodal content
- Module assessment
- Summary

By the end of this module, you'll be able to:

- Describe capabilities of Azure AI Content Understanding.
- Use Azure AI Content Understanding to build a content analyzer.
- Consume a Content Understanding analyzer by using the REST API.

Module 2: Create an Azure AI Content Understanding client application

Use the Azure AI Content Understanding REST API for

multimodal content analysis and information extraction.

Lessons

- Introduction
- Prepare to use the AI Content Understanding REST API
- Create a Content Understanding analyzer
- Analyze content
- Exercise - Develop a Content Understanding client application
- Module assessment
- Summary

By the end of this module, you'll be able to:

- Use the Azure AI Content Understanding REST API to build a content analyzer.
- Use the Azure AI Content Understanding REST API to consume an analyzer.

Module 3: Use prebuilt Document intelligence models

Learn what data you can analyze by choosing prebuilt Forms Analyzer models and how to deploy these models in a Document intelligence solution.

Lessons

- Introduction
- Understand prebuilt models
- Use the General Document, Read, and Layout models

- Use financial, ID, and tax models

- Exercise - Analyze a document using Azure AI Document Intelligence

- Module assessment

- Summary

By the end of this module, you'll be able to:

- Identify business problems that you can solve by using prebuilt models in Forms Analyzer.
- Analyze forms by using the General Document, Read, and Layout models.
- Analyze forms by using financial, ID, and tax prebuilt models.

Module 4: Extract data from forms with Azure Document intelligence

Document intelligence uses machine learning technology to identify and extract key-value pairs and table data from form documents with accuracy, at scale. This module teaches you how to use the Azure Document intelligence cognitive service.

Lessons

- Introduction
- What is Azure Document Intelligence?

- Get started with Azure Document Intelligence
 - Train custom models
 - Use Azure Document Intelligence models
 - Use the Azure Document Intelligence Studio
 - Exercise - Extract data from custom forms
 - Module assessment
 - Summary
- By the end of this module, you'll be able to:
- Describe business problems that you would use custom models and composed models to solve.
 - Identify how Document intelligence's layout service, prebuilt models, and custom

- models can automate processes.
- Use Document intelligence's capabilities with SDKs, REST API, and Document Intelligence Studio.
 - Develop and test custom models.

Module 5: Create a knowledge mining solution with Azure AI Search

Unlock the hidden insights in your data with Azure AI Search. In this module, you'll learn how to implement a knowledge mining solution that extracts and enriches data, making it searchable and ready for deeper analysis.

Lessons

- Introduction
- 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
 - Module assessment
 - Summary
- After completing this module, you'll be able to:
- Implement indexing with Azure AI Search
 - Use AI skills to enrich data in an index
 - Search an index to find relevant information
 - Persist extracted information in a knowledge store

ASSOCIATED CERTIFICATIONS & EXAM

There is no Associated Certification or Exam for this course; however, there is an assessment to achieve your Applied Skills credential. ([Assessment Link](#))