



# IMPLEMENT KNOWLEDGE MINING WITH AZURE AI SEARCH (AI-3022)

Course Code: 834089

Using Azure AI Search, you can extract key insights from information locked up in structured and unstructured data sources, and enable applications to search and analyze them.

## Prerequisites

- Familiarity with Microsoft Azure
- Application development experience with C# or Python

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CLASSROOM LIVE

\$675 CAD

1 Day

## Classroom Live Outline

### **Module 1: Create an Azure AI Search solution**

- Manage capacity
- Understand search components
- Understand the indexing process
- Search an index
- Apply filtering and sorting
- Enhance the index

### **Module 2: Create a custom skill for Azure AI Search**

- Define the custom skill schema
- Add a custom skill
- Custom text classification skill
- Machine learning custom skill

### **Module 3: Create a knowledge store with Azure AI Search**

- Define projections
- Define a knowledge store

### **Module 4: Implement advanced search features in Azure AI Search**

- Improve the ranking of a document with term boosting
- Improve the relevance of results by adding scoring profiles
- Improve an index with analyzers and tokenized terms
- Enhance an index to include multiple languages
- Improve search experience by ordering results by distance from a given reference point

### **Module 5: Search data outside the Azure platform in Azure AI Search using Azure Data Factory**

- Index data from external data sources using Azure Data Factory
- Index any data using the Azure AI Search push API

#### **Module 6: Maintain an Azure AI Search solution**

- Manage security of an Azure AI Search solution
- Optimize performance of an Azure AI Search solution
- Manage costs of an Azure AI Search solution
- Improve reliability of an Azure AI Search solution
- Monitor an Azure AI Search solution
- Debug search issues using the Azure portal

#### **Module 7: Perform search reranking with semantic ranking in Azure AI Search**

- What is semantic ranking
- Set up semantic ranking

#### **Module 8: Perform vector search and retrieval in Azure AI Search**

- What is vector search
- Prepare your search
- Understand embedding

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VIRTUAL CLASSROOM LIVE

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## Virtual Classroom Live Outline

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Jun 16 - 16, 2025 | 8:30 AM - 4:30 PM EDT

Aug 18 - 18, 2025 | 8:30 AM - 4:30 PM EDT

Oct 20 - 20, 2025 | 8:30 AM - 4:30 PM EDT



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PRIVATE GROUP TRAINING

1 Day

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