



## AI-102T00 - Designing and Implementing a Microsoft Azure AI Solution

Microsoft - Microsoft Azure - Virtualizzazione e Cloud

Durata:

**4 Giorni**

Lingue:

**Italiano**

Certificazione:

**Microsoft Certified: Azure AI Engineer Associate**

### Descrizione del corso

AI-102 Designing and Implementing an Azure AI Solution is intended for software developers wanting to build AI infused applications that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework. The course will use C# or Python as the programming language. This course is preparatory to the Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution valid for Microsoft Certified: Azure AI Engineer Associate

### Programma

#### Module 1: Introduction to AI on Azure

- Introduction to Artificial Intelligence
- Artificial Intelligence in Azure

#### Module 2: Developing AI Apps with Cognitive Services

- Getting Started with Cognitive Services
- Using Cognitive Services for Enterprise Applications

#### Module 3: Getting Started with Natural Language Processing

- Analyzing Text
- Translating Text

#### Module 4: Building Speech-Enabled Applications

#### ITCore Group

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- Speech Recognition and Synthesis
- Speech Translation

### **Module 5: Creating Language Understanding Solutions**

- Creating a Language Understanding App
- Publishing and Using a Language Understanding App
- Using Language Understanding with Speech

### **Module 6: Building a QnA Solution**

- Creating a QnA Knowledge Base
- Publishing and Using a QnA Knowledge Base

### **Module 7: Conversational AI and the Azure Bot Service**

- Bot Basics
- Implementing a Conversational Bot

### **Module 8: Getting Started with Computer Vision**

- Analyzing Images
- Analyzing Videos

### **Module 9: Developing Custom Vision Solutions**

- Image Classification
- Object Detection

### **Module 10: Detecting, Analyzing, and Recognizing Faces**

- Detecting Faces with the Computer Vision Service
- Using the Face Service

### **Module 11: Reading Text in Images and Documents**

- Reading text with the Computer Vision Service
- Extracting Information from Forms with the Form Recognizer service

### **Module 12: Creating a Knowledge Mining Solution**

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- Implementing an Intelligent Search Solution
- Developing Custom Skills for an Enrichment Pipeline
- Creating a Knowledge Store

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