



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Designing and Implementing an Azure AI Solution

CODE:	LENGTH:	PRICE:
MCS_AI-100T01	24 Hours (3 days)	£1,595.00

## Description

Gain the necessary knowledge for designing Azure AI solution by building a customer support chat Bot using artificial intelligence from the Microsoft Azure platform including language understanding and pre-built AI functionality in the Azure Cognitive Services.

## Audience

This course is aimed at Cloud Solution Architects, Azure artificial intelligence designers, and AI developers.

## Prerequisites

Before attending this course, students must have:

- Azure Fundamentals
- Understanding of Azure storage technologies
- C# Knowledge

## Programme

### Module 1: Introducing Azure Cognitive Services

The student will learn about the available Cognitive Services on Microsoft Azure and their role in architecting AI solutions.

#### Lessons

- Overview of Azure Cognitive Services
- Creating a Cognitive Service on the Azure Portal
- Access and Test a Cognitive Service

### Module 2: Creating Bots

#### Lessons

- Introducing the Bot Service
- Creating a Basic Chat Bot
- Testing with the Bot Emulator

The student will learn about the Microsoft Bot Framework and Bot Services.

### Module 3: Enhancing Bots with QnA Maker

The student will learn about the QnA Maker and how to integrate Bots and QnA Maker to build up a useful knowledge base for user interactions.

#### Lessons

- Introducing QnA Maker
- Implement a Knowledge Base with QnA Maker
- Integrate QnA with a Bot

### Module 4: Learn How to Create Language Understanding Functionality with LUIS

The student will learn about LUIS and how to create intents and utterances to support a natural language processing solution.

#### Lessons

- Introducing Language Understanding
- Create a new LUIS Service
- Build Language Understanding with Intents and Utterances

### Module 5: Enhancing Your Bots with LUIS

The student will learn about integrating LUIS with a Bot to better understand the users' intentions when interacting with the Bot.

#### Lessons

- Overview of language understanding for AI applications
- Integrate LUIS and Bot to create an AI-based solution

### Module 6: Integrate Cognitive Services with Bots and Agents

The student will learn about integrating Bots and Agents with Azure Cognitive Services for advanced features such as sentiment analysis, image and text analysis, and OCR and object detection.

#### Lessons

- Understand Cognitive Services for Bot Interactions
- Perform Sentiment Analysis for your Bot with Text Analytics
- Detect Language in a Bot with the Language Cognitive Services
- Integrate Computer Vision with Bots

#### Session Dates

On request. Please [Contact Us](#)

#### Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)