Microsoft Certified AI 102: Azure AI Engineer Associate

Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution

As a Machine Learning Trainer at AI Lounge, it is mandatory to pass the Microsoft AI 102 certification by August 31, 2023.

This document provides the necessary information regarding the certification and how to prepare for the certification exam.

What and How of Microsoft Certified AI 102:

Microsoft Azure AI engineers build, manage, and deploy AI solutions that make the most of Azure Cognitive Services and Azure services. Their responsibilities include participating in all phases of AI solutions development—from requirements definition and design to development, deployment, integration, maintenance, performance tuning, and monitoring.

These professionals work with solution architects to translate their vision and with data scientists, data engineers, IoT specialists, infrastructure administrators, and other software developers to build complete end-to-end AI solutions.

Azure AI engineers have experience developing solutions that use languages such as Python or C# and should be able to use REST-based APIs and software development kits (SDKs) to build secure image processing, video processing, natural language processing (NLP), knowledge mining, and conversational AI solutions on Azure. They should be familiar with all methods of implementing AI solutions. Plus, they understand the components that make up the Azure AI portfolio and the available data storage options. Azure AI engineers also need to understand and be able to apply responsible AI principles.

The skills outline document provided by Microsoft.

Learning Path - Microsoft Certified AI 102:

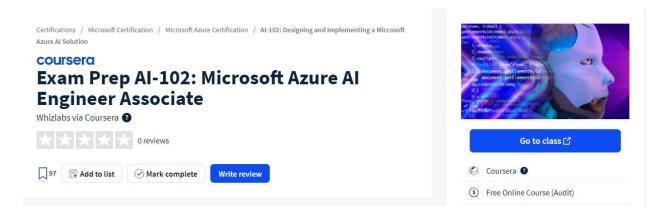Microsoft provides a learning path on its website and all the content is available for free.

[Link to Microsoft Azure Certification Details on Microsoft website](#)

Sr.	Description (~32 hours)	Deadline to complete the module
1	Topic 1: Prepare for AI engineering 1 Module | Time to Complete: 31 Mins	12th August
2	Topic 2: Provision and manage Azure Cognitive Services 4 Modules | Time to Complete: 3 hours and 5 mins	
3	Topic 3: Process and translate text with Azure Cognitive Services 2 Modules | Time to Complete: 1 Hour 48 Mins	
4	Topic 4: Process and Translate Speech with Azure Cognitive Speech Services 2 Modules | Time to Complete: 1 Hour 45 Mins	
5	Topic 5: Create a Language Understanding solution with Azure Cognitive Services 2 Modules | Time to Complete: 2 Hours 2 Mins	19th August
6	Topic 6: Build a question answering solution 2 Modules | Time to Complete: 53 Mins	
7	Topic 7: Build custom text analytics solutions 2 Modules | Time to Complete: 2 Hours 9 min	
8	Topic 8: Create conversational AI solutions 2 Modules | Time to Complete: 2 Hour 9 Mins	
9	Topic 9: Create computer vision solutions with Azure Cognitive Services 5 Modules | Time to Complete: 4 Hours 27 Mins	26th August
10	Topic 10: Extract text from images and documents 2 Modules | Time to Complete: 1 Hour 25 Mins	
11	Topic 11: Implement knowledge mining with Azure Cognitive Search 8 Modules | Time to Complete: 6 Hours 24 Mins	
12	Topic 12: Develop Generative AI solutions with Azure OpenAI Service	

| | 6 Modules | Time to Complete: 4 Hours 44 Mins | |
| | Mock Test | 27th August - 29th August |

Moreover there is a course available on Coursera as well to prepare for the certification:

[Link to Course Microsoft Azure Course](#)

You would be able to access the course content for free by selecting the **Audit** option while enrolling for the course.

Sr.	Description	Deadline to complete
1	Week 1: Azure AI Solutions: Planning & Management 4 Modules	Time to Complete: 2 Hour 38 Mins	12th August
2	Week 2: Image and Video Processing Solutions 2 Modules	Time to Complete: 1 Hour 4 Mins	
3	Week 3: Natural Language Processing (NLP) Solutions 3 Modules	Time to Complete: 3 Hour 49 Mins	19th August
4	Week 4: Knowledge Mining Solutions 1 Module	Time to Complete: 1 Hour 6 Mins	26th August
5	Week 5: Conversational AI Solutions 1 Module	Time to Complete: 1 Hour 10 Mins	
	Mock Test - (Microsoft Website)	27th August - 29th August

You can select any of the above-mentioned learning paths based on your convenience. Moreover, there are other resources available online as well (youtube, coursera, udemy etc) to prepare for the exam.

Exam Schedule

Sr.	Trainer Name	Exam Deadline
1	Mr. Arbab Khan	31 August 2023
2	Mr. Muhammad Hassan	31 August 2023
3	Mr. Shahzad Abbas	31 August 2023
4	Mr. Noman Tanvir	31 August 2023
5	Mr. Sajid Ali	31 August 2023
6	Mr. Wajid Ali	31 August 2023
7	Mr. Maroof Ishaq	31 August 2023
8	Mr. Eid Mohammad	31 August 2023
9	Mr. Kheem Parkash Dharmani	31 August 2023

Exam Fee

If you successfully pass the exam and obtain the certification, we will reimburse the certification fee ($80 or reduced). Please be advised that in order to be eligible for reimbursement, you must meet the following criteria:

- You are an active full-time employee of AI Lounge and is working on the Gilgit Baltistan Project.
- You have taken the Microsoft AI-102 Certification exam.
- You have achieved a passing score, obtaining the Microsoft AI Engineer Associate certification.
- The certification exam was taken as per the schedule provided by AI Lounge