**Microsoft Certified AI 102: Azure AI Engineer Associate**

**Exam AI-102: Designing and Implementing a**

**Microsoft Azure AI Solution**

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](https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RE3VEHf) [outline](https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RE3VEHf) [document](https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RE3VEHf) provided by Microsoft.

Learning Path - Microsoft Certified AI 102:

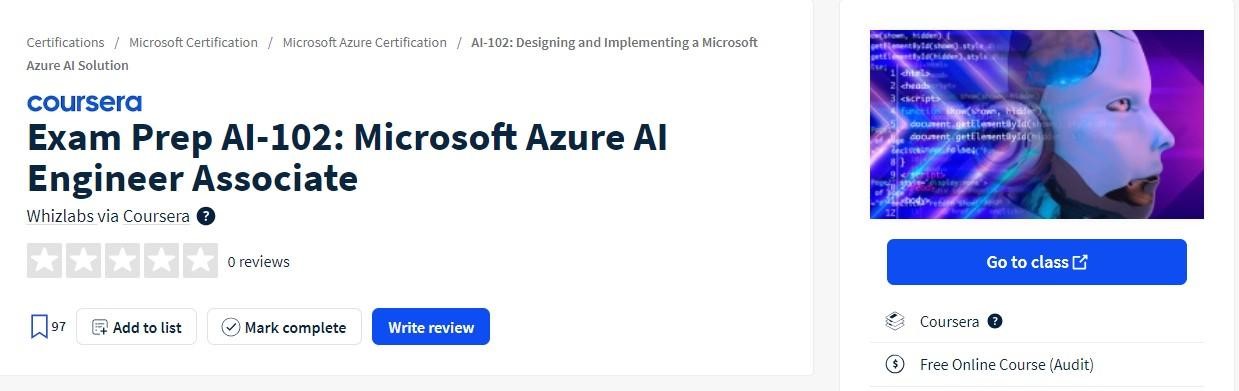
Microsoft provides a learning path on its website and all the content is available for free.

[Link](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [to](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [Microsoft](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [Azure](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [Certification](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [Details](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [on](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [Microsoft](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths) [website](https://learn.microsoft.com/en-us/certifications/exams/ai-102/?tab=tab-learning-paths)

|  |  |  |
| --- | --- | --- |
| Sr. | Description (~32 hours) | Time to complete the module |
| 1 | Topic 1: [Prepare](https://learn.microsoft.com/en-us/training/paths/prepare-for-ai-engineering/) [for](https://learn.microsoft.com/en-us/training/paths/prepare-for-ai-engineering/) [AI](https://learn.microsoft.com/en-us/training/paths/prepare-for-ai-engineering/) [engineering](https://learn.microsoft.com/en-us/training/paths/prepare-for-ai-engineering/)  1 Module | Time to Complete: 31 Mins | 1 Week |
| 2 | Topic 2: [Provision](https://learn.microsoft.com/en-us/training/paths/provision-manage-azure-cognitive-services/) [and](https://learn.microsoft.com/en-us/training/paths/provision-manage-azure-cognitive-services/) [manage](https://learn.microsoft.com/en-us/training/paths/provision-manage-azure-cognitive-services/) [Azure](https://learn.microsoft.com/en-us/training/paths/provision-manage-azure-cognitive-services/) [Cognitive](https://learn.microsoft.com/en-us/training/paths/provision-manage-azure-cognitive-services/) [Services](https://learn.microsoft.com/en-us/training/paths/provision-manage-azure-cognitive-services/) 4 Modules | Time to Complete: 3 hours and 5 mins |
|  |  |
| 3 | Topic 3: [Process](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) [and](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) [translate](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) [text](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) [with](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) [Azure](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) [Cognitive](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) [Services](https://learn.microsoft.com/en-us/training/paths/process-translate-text-azure-cognitive-services/) 2 Modules | Time to Complete: 1 Hour 48 Mins |  |
| 4 | Topic 4: [Process](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/) [and](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/) [Translate](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/) [Speech](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/) [with](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/) [Azure](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/) [Cognitive](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/)  [Speech](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/) [Services](https://learn.microsoft.com/en-us/training/paths/process-translate-speech-azure-cognitive-speech-services/)  2 Modules | Time to Complete: 1 Hour 45 Mins |
| 5 | Topic 5: [Create](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/) [a](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/) [Language](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/) [Understanding](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/) [solution](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/) [with](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/) [Azure](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/)  [Cognitive](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/) [Services](https://learn.microsoft.com/en-us/training/paths/create-language-solution-azure-cognitive-services/)  2 Modules | Time to Complete: 2 Hours 2 Mins | 1 Week |
| 6 | Topic 6: [Build](https://learn.microsoft.com/en-us/training/paths/build-qna-solution/) [a](https://learn.microsoft.com/en-us/training/paths/build-qna-solution/) [question](https://learn.microsoft.com/en-us/training/paths/build-qna-solution/) [answering](https://learn.microsoft.com/en-us/training/paths/build-qna-solution/) [solution](https://learn.microsoft.com/en-us/training/paths/build-qna-solution/) 2 Modules | Time to Complete: 53 Mins |
| 7 | Topic 7: [Build](https://learn.microsoft.com/en-us/training/paths/build-custom-text-analytics/) [custom](https://learn.microsoft.com/en-us/training/paths/build-custom-text-analytics/) [text](https://learn.microsoft.com/en-us/training/paths/build-custom-text-analytics/) [analytics](https://learn.microsoft.com/en-us/training/paths/build-custom-text-analytics/) [solutions](https://learn.microsoft.com/en-us/training/paths/build-custom-text-analytics/) 2 Modules | Time to Complete: 2 Hours 9 min |
| 8 | Topic 8: [Create](https://learn.microsoft.com/en-us/training/paths/create-conversational-ai-solutions/) [conversational](https://learn.microsoft.com/en-us/training/paths/create-conversational-ai-solutions/) [AI](https://learn.microsoft.com/en-us/training/paths/create-conversational-ai-solutions/) [solutions](https://learn.microsoft.com/en-us/training/paths/create-conversational-ai-solutions/)  2 Modules | Time to Complete: 2 Hour 9 Mins |
| 9 | Topic 9: [Create](https://learn.microsoft.com/en-us/training/paths/create-computer-vision-solutions-azure-cognitive-services/) [computer](https://learn.microsoft.com/en-us/training/paths/create-computer-vision-solutions-azure-cognitive-services/) [vision](https://learn.microsoft.com/en-us/training/paths/create-computer-vision-solutions-azure-cognitive-services/) [solutions](https://learn.microsoft.com/en-us/training/paths/create-computer-vision-solutions-azure-cognitive-services/) [with](https://learn.microsoft.com/en-us/training/paths/create-computer-vision-solutions-azure-cognitive-services/) [Azure Cognitive](https://learn.microsoft.com/en-us/training/paths/create-computer-vision-solutions-azure-cognitive-services/) [Services](https://learn.microsoft.com/en-us/training/paths/create-computer-vision-solutions-azure-cognitive-services/)  5 Modules | Time to Complete: 4 Hours 27 Mins | 1 Week |
| 10 | Topic 10: [Extract](https://learn.microsoft.com/en-us/training/paths/extract-text-from-images-documents/) [text](https://learn.microsoft.com/en-us/training/paths/extract-text-from-images-documents/) [from](https://learn.microsoft.com/en-us/training/paths/extract-text-from-images-documents/) [images](https://learn.microsoft.com/en-us/training/paths/extract-text-from-images-documents/) [and](https://learn.microsoft.com/en-us/training/paths/extract-text-from-images-documents/) [documents](https://learn.microsoft.com/en-us/training/paths/extract-text-from-images-documents/) 2 Modules | Time to Complete: 1 Hour 25 Mins |
| 11 | Topic 11: [Implement](https://learn.microsoft.com/en-us/training/paths/implement-knowledge-mining-azure-cognitive-search/) [knowledge](https://learn.microsoft.com/en-us/training/paths/implement-knowledge-mining-azure-cognitive-search/) [mining](https://learn.microsoft.com/en-us/training/paths/implement-knowledge-mining-azure-cognitive-search/) [with](https://learn.microsoft.com/en-us/training/paths/implement-knowledge-mining-azure-cognitive-search/) [Azure](https://learn.microsoft.com/en-us/training/paths/implement-knowledge-mining-azure-cognitive-search/) [Cognitive Search](https://learn.microsoft.com/en-us/training/paths/implement-knowledge-mining-azure-cognitive-search/)  8 Modules | Time to Complete: 6 Hours 24 Mins |
| 12 | Topic 12: [Develop](https://learn.microsoft.com/en-us/training/paths/develop-ai-solutions-azure-openai/) [Generative](https://learn.microsoft.com/en-us/training/paths/develop-ai-solutions-azure-openai/) [AI](https://learn.microsoft.com/en-us/training/paths/develop-ai-solutions-azure-openai/) [solutions](https://learn.microsoft.com/en-us/training/paths/develop-ai-solutions-azure-openai/) [with](https://learn.microsoft.com/en-us/training/paths/develop-ai-solutions-azure-openai/) [Azure](https://learn.microsoft.com/en-us/training/paths/develop-ai-solutions-azure-openai/) [OpenAI Service](https://learn.microsoft.com/en-us/training/paths/develop-ai-solutions-azure-openai/) |
|  | 6 Modules | Time to Complete: 4 Hours 44 Mins |  |
|  | Mock Test | 1 Day |

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

[Link](https://www.classcentral.com/course/ai-102-microsoft-azure-ai-engineer-associate-cour-202526) [to](https://www.classcentral.com/course/ai-102-microsoft-azure-ai-engineer-associate-cour-202526) [Course](https://www.classcentral.com/course/ai-102-microsoft-azure-ai-engineer-associate-cour-202526) [Microsoft](https://www.classcentral.com/course/ai-102-microsoft-azure-ai-engineer-associate-cour-202526) [Azure](https://www.classcentral.com/course/ai-102-microsoft-azure-ai-engineer-associate-cour-202526) [Course](https://www.classcentral.com/course/ai-102-microsoft-azure-ai-engineer-associate-cour-202526)



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

|  |  |
| --- | --- |
| Sr. | Description |
| 1 | Week 1: Azure AI Solutions: Planning & Management 4 Modules | Time to Complete: 2 Hour 38 Mins |
| 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 |
| 4 | Week 4: Knowledge Mining Solutions  1 Module | Time to Complete: 1 Hour 6 Mins |
|  |  |
| 5 | Week 5: Conversational AI Solutions  1 Module | Time to Complete: 1 Hour 10 Mins |
|  | Mock Test - (Microsoft Website) |

You can select any of the above-mentioned learning paths based on your convenience.