



MICROSOFT TRAINING

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

Design and implement robust Microsoft Azure AI solutions. Prepare for your AI-102 certification and build production-ready AI services.

DURATION

48 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The AI-102: Designing and Implementing a Microsoft Azure AI Solution course is meticulously crafted for AI engineers and developers aspiring to build intelligent applications on the Microsoft Azure platform. This intermediate-level training equips you with the comprehensive skills to design, implement, and manage robust AI solutions, encompassing everything from integrating cognitive services to leveraging machine learning capabilities. You will delve into core Azure AI technologies, learning to harness their power to create innovative solutions that address complex business challenges.

Throughout this 48-hour intensive program, you will gain hands-on experience with Azure AI Services for vision, speech, language, and decision-making, as well as Azure Machine Learning for building and deploying custom models. The curriculum also covers essential aspects like responsible AI principles, data governance, and implementing conversational AI solutions using Azure Bot Service and Azure AI Language. By mastering these technologies, you'll be capable of architecting scalable, secure, and ethical AI systems.

Upon completion, you will be well-prepared to sit for the Microsoft Certified: Azure AI Engineer Associate certification exam, validating your expertise in designing and implementing AI solutions. This certification significantly enhances your professional profile, opening doors to advanced roles in AI engineering, machine learning development, and solution architecture, allowing you to contribute to cutting-edge projects and drive innovation within organizations.

Duration	48 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AI-102

PREREQUISITES

- Understanding of cloud computing concepts
- Familiarity with Azure portal
- Basic PowerShell or CLI experience
- Understanding of virtualization concepts

COURSE CURRICULUM

01 Module 1: Plan and Manage an Azure AI Solution

- Considering responsible AI principles
- Planning and managing Azure AI solutions
- Designing and implementing an AI solution infrastructure

02 Module 2: Implement Computer Vision Solutions

- Analyzing images and video with Azure AI Vision
- Detecting faces with Azure AI Vision
- Implementing custom vision solutions

03 Module 3: Implement Natural Language Processing Solutions

- Analyzing text with Azure AI Language
- Building speech-enabled applications with Azure AI Speech

- Translating text and speech with Azure AI Translator
- Building language understanding models

04 Module 4: Implement Knowledge Mining Solutions

- Implementing Azure Cognitive Search
- Enhancing search with custom skills
- Extracting information from documents with Azure AI Document Intelligence

05 Module 5: Implement Conversational AI Solutions

- Building bots with Azure Bot Service
- Implementing QnA solutions with Azure AI Language
- Creating intelligent virtual assistants

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure AI Engineer**
- > **Cognitive Services Developer**
- > **AI Solutions Architect (Azure Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for enrolling in the AI-102 course?

Ideal candidates for this course should possess foundational knowledge of Microsoft Azure, including core Azure services and general cloud concepts. Prior experience with a high-level programming language like Python, C#, or Java, along with an understanding of basic data structures and algorithms, is highly beneficial. Familiarity with machine learning concepts can also provide a strong starting point for maximizing learning outcomes.

Q: Which specific Azure AI services and tools will I gain expertise in through this certification?

This course provides deep dives into a wide array of Azure AI services. You will master Azure AI Vision for image analysis, Azure AI Language for text analytics and language understanding, Azure AI Speech for speech-to-text and text-to-speech, Azure AI Translator, Azure Cognitive Search for knowledge mining, Azure AI Document Intelligence for information extraction, and Azure Bot Service for building conversational AI agents. You will also learn about integrating these services into end-to-end AI solutions.

Q: How does completing the AI-102 course enhance my career prospects beyond just passing the certification exam?

Beyond the certification, this course equips you with practical, hands-on skills in designing, developing, and deploying real-world AI solutions on Azure. You'll learn to architect scalable and responsible AI systems, troubleshoot common issues, and apply best practices in AI development. This practical expertise is highly sought after by employers, enabling you to confidently lead or contribute to AI projects, innovate with intelligent applications, and specialize in high-demand roles like Azure AI Engineer, AI Solutions Architect, or Machine Learning Developer, directly impacting business outcomes.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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