



MICROSOFT TRAINING

Microsoft Azure Ai Fundamentals Training Faculty

Gain core Microsoft Azure AI skills to build and deploy intelligent solutions. Start your journey in AI development.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Microsoft Azure AI Fundamentals Training Faculty course is meticulously designed for educators and technical trainers who wish to empower their students with foundational knowledge in Artificial Intelligence on the Microsoft Azure platform. This immersive program demystifies core AI concepts, including machine learning, computer vision, natural language processing, knowledge mining, and responsible AI principles. Participants will gain a deep, practical understanding of how to implement and leverage various Azure AI services to build intelligent solutions, making them proficient not just in theory but in real-world application.

Completing this certification doesn't just enhance your personal skill set; it transforms your ability to educate the next generation of innovators. You will learn effective pedagogical strategies for teaching complex AI topics, equipping you with the tools to inspire and guide students through hands-on labs and engaging discussions. The course emphasizes practical demonstrations of Azure AI capabilities, ensuring you can confidently showcase how AI can solve real-world problems and drive technological advancement. This specialized training empowers faculty to deliver cutting-edge AI education, directly benefiting student employability and institutional relevance in the rapidly evolving tech landscape.

By mastering the content, you'll be able to integrate Microsoft's robust AI platform seamlessly into your curriculum, preparing students for industry-recognized certifications and fostering a deeper appreciation for the potential and ethical considerations of AI. This course is an essential stepping stone for any faculty member committed to staying at the forefront of technology education and providing their learners with a competitive edge.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to AI and Azure AI Fundamentals

- What is Artificial Intelligence (AI)?
- Overview of Machine Learning, Deep Learning, and AI
- Exploring Azure AI Services and their applications
- Understanding Responsible AI principles and guidelines
- Introduction to Microsoft Learn resources for educators

02 Module 2: Machine Learning Fundamentals on Azure

- Core Machine Learning concepts (Regression, Classification, Clustering)
- Introduction to Azure Machine Learning Studio
- Automated ML capabilities for model building
- Data preparation and feature engineering basics
- Model evaluation metrics and interpretation

03 Module 3: Computer Vision Solutions with Azure AI Services

- Fundamentals of Computer Vision and its applications
- Utilizing Azure Computer Vision Service (Image analysis, Object detection, OCR)
- Implementing Face Recognition and analysis with Azure AI
- Building custom vision models with Azure Custom Vision service
- Ethical considerations in Computer Vision

04 Module 4: Natural Language Processing (NLP) on Azure

- Introduction to Natural Language Processing (NLP)
- Exploring Azure Language Service (Text Analytics, Key Phrase Extraction, Sentiment Analysis)
- Understanding Azure Translator for multi-language solutions
- Speech AI Services: Speech-to-Text and Text-to-Speech
- Developing conversational AI with Azure Bot Service basics

05 Module 5: Knowledge Mining and Conversational AI

- Fundamentals of Knowledge Mining with Azure Cognitive Search
- Building intelligent search solutions
- Introduction to Conversational AI and virtual agents
- Creating QnA Maker knowledge bases
- Integrating Azure AI services for richer conversational experiences

06 Module 6: Pedagogical Strategies for Teaching Azure AI

- Designing effective learning pathways for Azure AI Fundamentals
- Best practices for delivering engaging AI lectures and labs
- Leveraging Microsoft Learn and other official resources in the classroom
- Assessing student understanding of AI concepts and Azure services
- Tips for fostering innovation and project-based learning in AI

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **AI/Machine Learning Curriculum Developer**
- > **Azure AI Technical Trainer/Instructor**
- > **Computer Science or Data Science Lecturer specializing in Cloud AI**

FREQUENTLY ASKED QUESTIONS

Q: How does this 'Training Faculty' course specifically enhance my ability to teach Azure AI Fundamentals to my students?

This course goes beyond just technical knowledge, providing you with pedagogical insights tailored for AI education. You'll learn how to structure engaging lessons, design hands-on labs using Azure services, and effectively communicate complex AI concepts to diverse student groups. It also equips you with strategies to leverage official Microsoft learning resources and inspire project-based learning, transforming you into a more effective and confident AI educator.

Q: What prior technical knowledge or teaching experience is recommended for educators enrolling in this particular Azure AI Fundamentals Training Faculty course?

While deep prior AI knowledge is not required, as this is a fundamentals course, a basic understanding of computer science concepts and general IT literacy is beneficial. For the 'Training Faculty' aspect, some prior teaching or instructional experience is recommended, or at least a strong desire to integrate cutting-edge AI into your curriculum. We'll focus on both the 'what' and the 'how' of teaching Azure AI.

Q: Beyond my personal understanding, what tangible benefits can my academic institution or training

center expect from me completing this Azure AI Fundamentals Training Faculty certification?

Your certification will significantly enhance your institution's capacity to offer industry-relevant AI education. It positions your department or center as forward-thinking and competent in modern cloud AI technologies. This can lead to improved student enrollment in AI-related courses, better student employability outcomes, and potential recognition as a leader in AI training, potentially opening doors for partnerships with Microsoft's academic programs and resources.

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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