



MICROSOFT TRAINING

AI Transformation on Azure Cloud Course Overview

Transform your enterprise with AI on Azure. Learn to implement powerful AI solutions, leveraging Microsoft's cloud capabilities.

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 Transformation on Azure Cloud Course is an intermediate-level program designed for IT professionals, developers, and data scientists looking to leverage Microsoft Azure's powerful artificial intelligence capabilities to drive organizational change. This comprehensive 48-hour course delves into the strategic implementation of AI solutions within the Azure ecosystem, covering everything from foundational AI concepts and Azure's extensive suite of AI services to advanced machine learning operations (MLOps) and responsible AI practices. Participants will gain hands-on experience with Azure Machine Learning, Cognitive Services, Azure Databricks, and other pivotal tools necessary for building, deploying, and managing intelligent applications at scale.

Duration	48 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Strategic Overview of AI Transformation on Azure

- Introduction to AI and its business impact
- Understanding AI's role in digital transformation
- Overview of Microsoft Azure AI capabilities and ecosystem
- Identifying opportunities for AI adoption within an organization
- Developing an AI strategy on Azure

02 Module 2: Core Azure AI Services and Cognitive AI

- Exploring Azure Cognitive Services (Vision, Speech, Language, Decision, Web Search)
- Integrating pre-built AI models into applications
- Customizing Cognitive Services for specific use cases
- Understanding knowledge mining with Azure Cognitive Search
- Introduction to Azure Bot Service for conversational AI

03 Module 3: Machine Learning Fundamentals and Azure Machine Learning

- Introduction to machine learning concepts and types
- Data preparation and feature engineering for ML
- Exploring Azure Machine Learning Studio workspace
- Building and training machine learning models with Azure ML
- Automated ML (AutoML) on Azure

04 Module 4: Data Foundation and MLOps for AI on Azure

- Leveraging Azure Data Lake Storage and Azure Synapse Analytics for AI data
- Data governance and security for AI solutions
- Introduction to MLOps principles and practices
- Model deployment, monitoring, and retraining strategies on Azure
- Continuous integration/continuous delivery (CI/CD) for ML workflows

05 Module 5: Responsible AI and Advanced Topics

- Principles of Responsible AI and ethical considerations
- Implementing fairness, transparency, and accountability in AI solutions
- Security and privacy best practices for AI on Azure

- Scaling AI solutions with Azure Kubernetes Service (AKS)
- Future trends in AI and advanced Azure AI services

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **AI Solution Architect (Azure Focus)**
- > **Cloud AI Engineer**
- > **Azure MLOps Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What kind of projects or transformations will I be equipped to lead after completing this Azure AI course?

Upon completion, you will be equipped to lead and contribute to projects involving the strategic integration of AI into business processes, such as developing intelligent automation solutions, implementing predictive analytics dashboards, enhancing customer experiences with conversational AI, and deploying scalable machine learning models. You'll understand how to identify, design, and oversee AI-driven transformations using the comprehensive suite of Azure AI services.

Q: Are there any specific technical prerequisites or prior Azure experience recommended before enrolling in this AI Transformation course?

While this is an intermediate-level course, a foundational understanding of cloud concepts (preferably Azure), basic programming skills (e.g., Python), and familiarity with data concepts are highly recommended. While not strictly required, prior exposure to Azure services like Azure Storage or Azure Virtual Machines will provide a beneficial context for understanding the AI ecosystem.

Q: How does this course specifically prepare me for an MLOps Specialist role within the Azure ecosystem?

This course dedicates a significant module to MLOps, covering the principles and practical application of Continuous Integration/Continuous Delivery (CI/CD) for machine learning models on Azure. You will learn about model versioning, deployment strategies, monitoring tools, and retraining pipelines within Azure Machine Learning, providing a solid foundation for designing, implementing, and managing robust MLOps workflows crucial for an MLOps Specialist.

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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