Microsoft Artificial Intelligence (AI) University

Short Course Description

With the ever-growing popularity of AI and machine learning, the need for skilled professionals in this field is surging. Microsoft Azure, a leading cloud provider, offers a suite of tools and services that enable AI Engineers to design, develop, and implement AI solutions leveraging Cognitive Services, Knowledge Mining, and Machine Learning, These solutions cover a wide range of applications, including computer v1s1on, speech, natural language processing (NLP), bots, and agents, Understanding cloud concepts, along with practical knowledge of Azure's core services, architecture, security, support, and pricing, is crucial,

Careers for you, as a Microsoft Azure AI Engineer and Azure Administrator graduate, are varied and include

Azure Administrator
Azure Cloud Support Engineer
Azure Software Engineer
Azure Cloud Developer
Microsoft Azure AI Engineer

Programme Offering

Offered by IT department under Faculty of Engineering, Built Environment and Information Technology (FEBIT)
Industry-Recognized Content and Practice Labs
Lecture Delivery by Competent and Certified Trainers

Mode and Duration

Starting from Second Semester 2025
AZ-900 8 Al-900:   14-20 hours
AZ-204 8 Al-102:   32-45 hours

For More details refer to the website:

https://www.cut.ac.za/short-courses/

https://www.cut.ac.za/department/information-technology

Campus

CUT, Bloemfontein, Free State Campus

General Entry Requirements

Diploma or Degree in Information Technology, Computer Science, Engineering, or related IT fields,
Knowledge in Mathematics and/or Statistics is highly recommended,
- Familiarity with cloud computing and programming languages, such as Python, C#, or ,NET, is essential.
- CUT staff members
CUT current and previous FEBIT students
IT professionals: Those already working in industry, aiming to build their AI and cloud computing skills.
Government employees: IT professionals employed by the government who need to upskill in AI technologies and cloud computing can also participate,

Certificate Structure and Descriptors

Microsoft AI University consists of 2 tracks designed to progressively build AI and cloud computing skills:

Azure AI Fundamentals (AI-900)
Focuses on fundamental AI concepts and Azure's AI services.

Azure AI Engineer Associate (AI-102)
Delves into developing AI solutions using Azure Cognitive Services, Machine Learning, and Knowledge Mining.

Azure Fundamentals (AZ-900)
Provides a solid foundation in cloud concepts and core Azure services.

Azure Developer Associate (AZ-204)
Enhances skills in building, testing, and maintaining cloud applications on Azure.

For the Microsoft AI Engineer Track

To enroll for the Microsoft **AI Engineer** Track, the following requirements are recommended:

- CUT IT Diploma graduates: For those who have completed Microsoft Azure Fundamentals (AZ-900) during their work-integrated learning (WIL).

For the Azure Developer Track

To enroll for the Azure **Administrator** Track, the following requirements are recommended:

- Diploma or Degree in Information Technology, Computer Science, or a related field.
- Basic understanding of cloud concepts and computing is beneficial.
- Practical skills in networking and programming, such as C#, Python, or Visual Basic .NET, are advantageous.
- IT professionals: Those in the industry looking to develop their cloud solutions skills.
- Government employees: Those in IT-related roles within the government looking to enhance their cloud development skills can also participate.
- Staff from various departments involved with cloud technology projects
- CUT current and previous FEBIT students

Certification Exams

Students are encouraged to take the following certification exams after completing the modules at CUT Certiport:

- Exam AZ-900: Microsoft Azure Fundamentals
- Exam AI-900: Microsoft AI Fundamentals
- Exam AZ-204: Developing Solutions for Microsoft Azure
- Exam AI-102: Designing and Implementing a Microsoft Azure AI Solution

This brochure provides a structured overview of the Microsoft AI University programme, offered at Central University of Technology Bloemfontein Campus with industry-recognized certifications.

https://www.cut.ac.za/programmes/microsoft-certifications

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