Coleg Gwent

NILC Mircrosoft Certified: Azure AI Fundamentals

In a nutshell

This course introduces fundamentals concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions. The course is not designed to teach students to become professional data scientists or software developers, but rather to build awareness of common AI workloads and the ability to identify Azure services to support them.

This course is available as part of a Personal Learning Account (PLA). PLA is an initiative from the Welsh Government which offers people the chance to access free, part-time courses with flexible and convenient learning that fits around their existing lifestyle (subject to eligibility).

This course is for...

...anyone over 19, living in Wales and in employment. The usual salary limit of £32,371 does not apply for this course.

...anyone who wants to demonstrate foundational knowledge of machine learning (ML) and artificial intelligence (AI) concepts and related Microsoft Azure services

... anyone looking to start their learning for a career in Azure administration, development, solutions architect.

Course content

This course is delivered by virtual classroom. Virtual classrooms are equivalent to face-to-face classroom courses, but delivered in an online environment.

Course Duration: 1 day

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The hands-on exercises in the course are based on Learn modules, and students are encouraged to use the content on Learn as reference materials to reinforce what they learn in the class and to explore topics in more depth.

After completing this course, you will be able to:

Describe Artificial Intelligence workloads and considerations
Describe fundamental principles of machine learning on Azure
Describe features of computer vision workloads on Azure
Describe features of Natural Language Processing (NLP) workloads on Azure
Describe features of conversational AI workloads on Azure

Entry Requirements

This course has no formal prerequisites. It is designed for individuals who want to demonstrate foundational knowledge of machine learning (ML) and artificial intelligence (AI) concepts and related Microsoft Azure services.

Additional information

The PLA programme intends to provide quality career advice and guidance to participants before, during and after their learning.

Prior to being enrolled onto your PLA funded course, a individual learning plan will be discussed with you to ensure that the right learning has been considered.

This will include a general discussion on the following topics:

formal education or qualifications in related fields
prior experience within the industry or field
career aspirations
dedication of time required
access to internet, windows computer and webcam/microphone

This will also include specific discussion on the below areas for this course:

any prior experience with cloud computing
usage of any cloud platforms such as AWS, Google Cloud, or Azure
interest in pursuing additional Azure qualifications