ALDAR ACADEMY
ALDAR
Since 1994
اكاديمية الدار
for Vocational Education - للتعليم المهني

Pearson BTEC Level 5 Higher National Diploma in Digital Technologies

AI SOULUTIONS AND APPLICATIONS
حلول الذكاء الإصطناعي AI و تطبيقاته

PROGRAM OUTLINE

Students will be proficient in applying AI techniques to solve real-world problems across diverse domains such as natural language processing, computer vision, robotics, and data analysis.
They will be proficient in designing, training, and evaluating machine learning models for tasks such as classification, regression, clustering, and reinforcement learning.
Students will have knowledge and experience working with deep learning architectures, including neural networks, convolutional neural networks (CNNs), recurrent neural networks (RNNs), and generative adversarial networks (GANs).

ENTRY REQUIREMENTS

Academic Requirement

- Grade 12 Highschool Certificate with Pass Grade or Level 3 Vocational qualification in the relevant field.

English Language Requirement

Non-native English speakers and who have not carried out their final two years of schooling in English can demonstrate ability at a standard equivalent to:

- PTE Academic 51, or
- IELTS 5.5 (reading and writing must be at 5.5)

HIGHER NATIONAL LEVEL 5 DIPLOMA

1. Transfer to more than 200+ universities worldwide as 3rd year student for top-up bachelor's degree
2. Proceed to Vocational Qualification in the same field
3. Direct Employment in the relevant fields
4. Start and manage you own business

BTEC Higher National Diploma is a UK Vocational Level 5 Education Qualification

Awarded by Pearson | Regulated by ofqual | Approved by Dubai Knowledge المعرفة

ALDAR Academy for training
Dubai - United Arab Emirates

CAREER OPPORTUNITY

At the end of Artificial Intelligence program, the learner will be able to work as:

- Machine Learning Engineer
- Data Scientist Specialist
- AI Research Scientist
- AI Software Developer
- Computer Vision Engineer
- Natural Language Processing (NLP) Engineer
- Robotics Engineer
- AI Product Manager
- AI Consultant
- AI Educator or Trainer

STUDY PLAN

- Total Guided Learning Hours (GLH) Higher National Diploma (HND) = 960 hours
- Qualification credit value of 240 credits of which 120 credits are at Level 5, and 120 credits are at Level 4
- Total Qualification Time (TQT) Higher National Diploma (HND) = 2,400 hours
- There is a required mix of core, specialist, and optional units.

YEAR 1	YEAR 2
Professional Practice in the Digital Economy	Business Intelligence
Innovation & Digital Transformation	Internet of Things
Cyber Security	Emerging Technologies
Programming	Risk Analysis and Systems Testing
Big Data & Visualisation	Application Development
Cloud Fundamentals	Application Program Interfaces
Software Development Lifecycles	Digital Sustainability
Fundamentals of Artificial Intelligence	Work-based Learning in the Digital Economy

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