

Pearson BTEC Level 5 Higher National Diploma in Digital Technologies (Artificial Intelligence (AI) Solutions and Applications)



ABOUT THIS COURSE

This diploma is equivalent to the first two years of a bachelor's degree, allowing students seamless transfers to a top-up degree with over 200 universities worldwide.

This course focuses on building current skills required in the field of Artificial Intelligence and Machine Learning and allows students to develop up-to-date knowledge in AI solutions and applications. Students will investigate AI fundamentals including data gathering, validation, and processing along with other related topics.

On successful completion of this course, students are introduced to the science behind machine intelligence and the philosophical debate around the ambitions of simulating human intelligence to solve real-world problems. Students will be guided to appreciate AI types and applications and develop a better understanding of issues related to intelligent agents. Artificial Narrow Intelligence (ANI), Artificial General Intelligence (AGI), Ambient Intelligence, the major differences between top-down and bottom-up approaches to AI, and understanding Machine Learning (ML) algorithms are also covered in this course.

Duration : 24 Months

Fees : AED 38,000 / Year

COURSE OUTLINE

UNITS

- Professional Practice in the Digital Economy
- Innovation and Digital Transformation
- Cyber Security
- Big Data & Visualisation
- Cloud Fundamentals
- Software Development Lifecycles
- Programming
- Fundamentals of Artificial Intelligence (AI) & Intelligent Systems
- Business Intelligence
- Internet of Things
- Emerging Technologies
- Risk Analysis and Systems Testing
- Application Development
- Application Program Interfaces
- Digital Sustainability
- Pitching and Negotiating Skills

ENTRY REQUIREMENTS

- 17+ years minimum
- BTEC Level 3 in IT
- GCSE – Grade A* – C
- Other related Level 3 qualifications
- CBSE, ISE, NIOS or All state boards of grade 12
- Relevant work experience (2 years minimum)
- Pass Subject Proficiency Test
- Pass English Proficiency Test

KEY POINTS

- Fundamentals of AI
- Power BI
- Application design and development

CAREER OPPORTUNITIES

- Machine Learning Specialist
- Big Data Specialist
- Business Intelligence Developer
- Big Data Architect
- AI Researcher
- AI Data Analyst

PROGRESSION TO UNIVERSITY

The Level 5 Higher National Diploma is recognised by higher education providers as meeting admission requirements to many relevant digital technologies' courses, for example:

- BSc (Hons) in Artificial Intelligence
- BSc (Hons) in Business Analytics
- BSc (Hons) in Computer Science
- BSc (Hons) in Software Engineering

SCAN QR CODE



**FOR ADMISSIONS &
ENTRY REQUIREMENTS**

 +971 50 647 1982 / +971 4 873 9200

 enquiries@regenteducation.ae

 Regent Institute Middle East Fz-llc
Block 4, Al Sufouh, Dubai Knowledge Park,
Dubai, UAE, PO Box No - 501701