



for Vocational Education - للتعليم المهني

Pearson BTEC Level 5 Higher National Diploma in Operations Engineering

PROGRAM OUTLINE

This Higher National qualification is designed to meet the demands of employers in the rapidly evolving engineering sector and adapt to a constantly changing world. Highly respected by employers nationwide, it brings together a range of engineering elements, providing those who complete it with a range of opportunities for career progression, as well as enhancing and widening access to higher level study.

ENTRY REQUIREMENTS

Academic Requirement

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

English Language Requirement

(Can be achieved during the study period)

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)



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

Awarded by



Regulated by



Approved by



ALDAR Academy

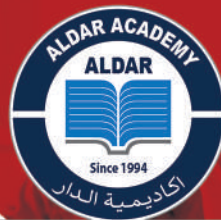
Dubai - United Arab Emirates



CAREER OPPORTUNITIES

By the end of this program the learners will be able to work as:

- Manufacturing Engineer
- Quality Engineer
- Process Engineer
- Industrial Engineer
- Maintenance Engineer
- Reliability Engineer
- Supply Chain Manager
- Logistics Coordinator
- Procurement Specialist
- Production Planner
- Project Manager
- Engineering Consultant



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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

Engineering Design

Engineering Math

Engineering Science

Managing a professional Engineering project

Operations and Plant Management

Electrical Systems and Fault Finding

Electro, Pneumatic and Hydraulic Systems

Electrical and Electronic Principles

YEAR 2

Research Project

Professional Engineering Management

Further Mathematics

Heating, Ventilation, Air Conditioning (HVAC)

Industrial systems

Thermo fluids

Further Electrical Machines and Drives

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