

Overview

If you are already working in the lift engineering sector, this course will develop your knowledge of the fundamentals of engineering, including mechanical, electrical, electronic and hydraulic engineering design and analysis. The course delivery is flexible, in a modular format, taught online so that you can choose when to study to fit around your work and personal life. You can study one module initially, as a taster, or as a way to update your skills in a specific area. To achieve the full FdSc, you will need to complete modules to a total of 240 credits.

Course Details

In the first year, you will focus on learning the skills required in electrical and mechanical sciences and develop your mathematical skills associated with the lift and other engineering industries. The second year analyses the applications of electrical and mechanical engineering in the lift industry and teaches system dynamics and control. You will have the opportunity to utilise the topics that you have studied within the work place by undertaking a case study module. The course uses examples taken from the lift industry so that it is highly relevant and practical.

Partnership and Accreditation

Some of the modules are delivered externally by The Lift and Escalator Industry Association (LEIA) and some by the University. Modules marked with an asterisk are studied through LEIA.

Schedule and Assessments

This is an online course allowing you to study wherever is most suitable for you. You will be assessed through multiple-choice assignments, tutor-marked assignments, project reports and logbook and end-of module tests

Course content

Stage 1

- Contract Management (10 Credits) Credits)

Module code: ENG1028

Core Module Y

- Contract Management 2 (10 Credits) Credits)

Module code: ENG1044

Core Module Y

- Fundamentals of Lift Technology (20 Credits) Credits)

Module code : ENG1039

Core Module Y

- ICT Applications (20 Credits) Credits)

Module code: CSY1023

Core Module Y

- Introduction to Engineering Design (20 Credits) Credits)

Module code: ENG1025

Core Module Y

- Lift Engineering Project (20 Credits) Credits)

Module code: ENG1042

Core Module Y

- Mathematics for Technology Part 1 (20 Credits) Credits)

Module code: ENG1024

Core Module Y

Stage 2

- Advanced Lift Technology - Electrical (20 Credits) Credits)

Module code: ENG2043

Core Module Y

- Advanced Lift Technology - Hydraulic (20 Credits) Credits)

Module code: ENG2044

Core Module Y

- Advanced Life Technology - Mechanical (20 Credits) Credits)

Module code: ENG2042

Core Module Y

- Case Study (20 Credits) Credits)

Module code: ENG2026

Core Module Y

- Electronic Systems and Controls for Lifts (20 Credits) Credits)

Module code: ENG2028

Core Module Y

- Lift Applications and Codes (20 Credits) Credits)

Module code: ENG2027

Core Module Y

Intake Dates: January, March, September

Additional Information (Facilities)

Our virtual learning environment facilitates constant communication between you and course leaders. You are able to access key course materials at times to suit you and can submit the assignments electronically.

Entry Requirements

As a course designed for people who are working in the lift industry, we do not expect you to have any formal qualifications but to have appropriate work experience. Those without relevant work experience may enter the course with one A-level qualification as well as GCSE Mathematics at grade C or above. If you are not currently employed in an appropriate industry, you will need to demonstrate that you are able to gain an industrial placement prior to starting your course.

All International and EU students applying for a course with us must meet the following minimum English language requirements:

- IELTS 6.0 (or equivalent) with a minimum of 5.5 in all bands for study at undergraduate level.

Application Procedures

Please include the following documents with your completed application form:

- Details of your English Language competence, for example, Test of English as a Foreign Language (TOFEL) or International English Language Testing System (IELTS) tests or equivalent.
- Certified copies of your school certificates and any other relevant qualifications. A certified copy is a photocopy that has an original official stamp of your school, college or university on it. The stamp should not be a photocopy.
- At least one reference (signed and on headed paper).
- A personal statement to explain why you are interested in studying your chosen course