Electrical and Mechanical Engineering

University of Strathclyde

Content

The combination of mechanical, electrical, electronic, computing, measurement and control elements are now an important part of most modern engineering systems and are essential to meet new challenges in engineering innovation.

Examples include energy generation, hybrid petrol/electric vehicles, aircraft design, satellite technology, robotic systems and technology for a sustainable environment.

Year 1:
Maths, electronics, electrical engineering, mechanics, and engineering modelling; practical labs and project work introduce design and build activities.

Year 2:
You learn about electromagnetism, digital electronics, and mechanics to develop core engineering skills.

Year 3:
Specialist topics include instrumentation and microcontrollers, dynamics, and integrated design of mechanical systems.

Year 4:
Individual design project in your chosen specialism and technical subjects including systems engineering, communications networks, and flight and spacecraft.

Year 5 (MEng only):
Group design project to build a prototype system to showcase at the end-of-year industry exhibition; choice of advanced topics including machinery diagnosis, aerodynamic performance and control techniques.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

HH6H

Course Length

5 years

Faculty

Faculty of Engineering

Department

Electronic and Electrical Engineering

Entry Requirements

2027 entry requirements

Standard entry:
5 Highers at AAAAB including Maths and Engineering Science or Physics at A plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics recommended.

Widening access entry:
4-5 Highers at ABBB or BBBBB including Maths and Engineering Science or Physics plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics recommended.

A Foundation Apprenticeship is accepted in place of a non-essential Higher.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

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Website

www.strath.ac.uk