Mechanical Engineering

University of Glasgow

Venues

Gilmorehill Campus

Content

Year 1: In your first year you will take courses in mathematics and study engineering fundamentals including applied mechanics, fluid mechanics, dynamics, thermodynamics and properties of materials. These courses will form a solid foundation for development later in the degree programme and are supported by individual drawing and practical skills and group project and laboratory work.

Year 2: You will study further basic engineering subjects including applicable mathematics, applied mechanics, fluid mechanics, microeconomics, engineering computing, materials, power electronics, thermodynamics, design and manufacture.

Year 3: In third year you will visit a number of industries in the UK and study more advanced engineering subjects including dynamics, control and fluid power; engineering design; fluid mechanics; gas dynamics; heat transfer; instrumentation and data systems; materials and manufacture; mathematical modelling and simulation; and mechanics of materials and structures.

Years 4 and 5: In year 4 you will study a range of compulsory and optional courses from a list which includes advanced thermal engineering, control, lasers and electro-optic systems, materials engineering, mechanics of solids, robotics, vibration, renewable energy and design projects. In year 5 individual project work forms a major component of the MEng programme, which has a strong industrial bias. Further courses are chosen from advanced control systems engineering, dynamics, desalination, energy from waste materials engineering, and mechanics of solids and structures. You will also undertake a management course.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H300

Course Length

4 years

Faculty

College of Science and Engineering

Department

James Watt School of Engineering

Entry Requirements

2027 entry requirements:

Standard entry: 5 Highers at AAAAA (by end S6 with min AABB after S5) including Maths and Engineering Science or Physics at AA (AB or BA may be considered).

Entry to year 2 may be possible with 3 Advanced Highers at AAA including Maths and Engineering Science or Physics plus Highers at AABB.

Widening access entry: 4 Highers at AABB/BBBB (by end S6) including Maths and Engineering Science or Physics. Completion of pre-entry programme is necessary.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Website

www.gla.ac.uk