Mechanical Design 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: In your second year you will study further basic engineering subjects including applicable mathematics, applied mechanics, electrical power engineering, engineering computing, materials, power electronics, thermodynamics and design and manufacture.

Year 3: You will study more advanced engineering subjects in third year: Engineering design; dynamics, control and fluid power; heat transfer; design and manufacture; materials and manufacture; mathematical modelling and simulation; mechanics of materials and structures.

Years 4 and 5: In year 4 of the BEng programme, students undertake an individual design project and a group design project. A range of subjects are offered, including robotics, advanced materials, vibration, microelectronics, mechanics of solids and thermal engineering. Year 4 MEng students undertake further design projects including a multidisciplinary project. Year 5 of the MEng programme includes the final-year industrial project, and provides additional management skills and in-depth options of engineering subjects including mechanics of solids, dynamics and desalination technology.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

HH37

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 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