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

MEng

UCAS Code

HHJ7

Course Length

5 years

Faculty

College of Science and Engineering

Department

James Watt School of Engineering

Entry Requirements

2026 entry requirements:

6 Highers at AAAAAA (by end S6 with min AAAB after S5) including Maths and Engineering Science or Physics.

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

SCQF Level

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Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Website

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