Biomedical Engineering

University of Glasgow

Venues

Gilmorehill Campus

Content

Year 1: In your first year, you will take courses in biomedical engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

Years 2 and 3: In year 2 you will study further engineering and biomedical subjects including engineering mathematics, mechanics, biomaterials, biomedical engineering skills, electronic engineering, engineering design and engineering in biological systems from the cell to the whole body.

Year 3 consists of more advanced engineering and biomedical subjects including biological fluid mechanics, biomechanics, modelling, instrumentation & control, statistics, medical imaging and human biological sciences.

Year 4: In year 4 of the BEng programme you will complete a project which takes up one third of the year. Year 4 MEng students undertake a multidisciplinary design project. All year 4 students continue to take courses in engineering, biomedical & life sciences and medicine, as well as a range of options including cell and tissue engineering, ultrasound technology, control, materials and mechanics.

Year 5: MEng students will work on a detailed research-based project in industry, at a hospital or at another university. Thereafter, you will choose courses in subjects such as energy in biological systems, advanced imaging and therapy, scaffolds and tissues, computational modelling, dynamics and materials.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

J751

Course Length

5 years

Faculty

College of Science and Engineering

Department

James Watt School of Engineering

Entry Requirements

2027 entry requirements
6 Highers at AAAAAA (by end of S6 with a min AAAB after S5) including Maths and Engineering science or Physics at A.

Entry to year 2 may be possible with 3 Advanced Highers at AAA including Maths and Engineering Science or Physics plus 5 Highers at AAAAA.

SCQF Level

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Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Website

www.gla.ac.uk