

Biomedical Engineering

University of Glasgow

Venues

Gilmorehill Campus

Content

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

Years 2 and 3: You will continue to study a wide-ranging curriculum, but with an increasing emphasis on bio-engineering subjects, such as biomaterials, biomechanics, biological fluid mechanics, electronic engineering, instrumentation and control, medical imaging, engineering design, human biological systems, mathematics and statistics, etc.

Year 4: Year 4 BEng students complete a project, which takes up one third of the year, while year 4 MEng students undertake a multidisciplinary design project. All year 4 students take core courses such as rehabilitation engineering, biosensors, bioethics and biomedical signal processing. You can also choose from a range of options including cell and tissue engineering, ultrasound technology, control, materials and mechanics.

Year 5: MEng students spend the first six months working on a research-based project which will normally take place 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

Engineering

Entry Requirements

2022 entry requirements

6 Highers at AAAAAA (two sittings with a min AAAB after S5) including Maths, Engineering science or Physics.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

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Website

www.gla.ac.uk