

Biomedical Engineering

University of Strathclyde

Content

Years 1 and 2:

The first two years concentrate on fundamental engineering and biomedical science knowledge covering core concepts in mathematics, mechanical engineering, electrical engineering, anatomy, physiology and molecular bioscience. For the majority of these classes you will be mixing with and integrating with other engineers and biomedical scientists, whilst specialist classes will develop a Biomedical Engineering identity.

Year 3:

In the third year of the course, students start to apply their knowledge in specific areas of biomedical engineering (e.g. biomechanics and biomedical materials), as well as deepening their knowledge of core engineering and biomedical science topics.

Year 4:

Year 4 focuses towards an individual research project, and allied to this project will be a generic skills class in research methods and professional studies; providing knowledge of research design and statistical analysis, discussion of the role and environment of the biomedical engineer, ethical, safety and quality management issues.

Year 5:

The group project is the major element of this year in the Masters programme, where teamwork, creative collaboration, communication and effective management are developed. Extended study broadens horizons and deepens understanding in specialist areas such as tissue mechanics, clinical and sports biomechanics and cardiovascular devices.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

B831

Course Length

5 years

Faculty

Faculty of Engineering

Department

Biomedical Engineering

Entry Requirements

2023 entry requirements

Standard entry:

4 Highers at AAAA including Maths, Biology and Physics plus English at National 5. Higher English preferred. Advanced Higher Maths and Physics recommended

Widening Entry access:

4 Highers at AAAB including Maths and Physics plus English at National 5. Higher English preferred. Advanced Higher Maths and Physics recommended

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

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Website

www.strath.ac.uk