Biomedical Engineering

University of Strathclyde

Content

Biomedical engineering is a rapidly expanding industry, with the National Health Service, industrial and academic research and development all making advances to meet the increasing demands of healthcare.

You'll gain broad training in modern biomedical engineering and learn about the complexities of human anatomy and physiology. You will also study core mechanical and electrical engineering subjects.

Years 1 and 2:
Core concepts in mathematics, mechanical engineering, electrical engineering, anatomy, physiology and molecular bioscience provide fundamental engineering and biomedical science knowledge. You'll take the majority of these classes alongside other engineers and biomedical scientists. Specialist classes will develop your Biomedical Engineering focus.

Year 3:
You will start to apply your knowledge in specific areas of biomedical engineering (eg biomechanics and biomedical materials). You'll also deepen your understanding of core engineering and biomedical science topics.

Year 4:
You'll focus on an individual research project. A skills class in research methods and professional studies will provide knowledge of research design and statistical analysis. It will also provide insight into the role and environment of the biomedical engineer and an understanding of ethical, safety and quality management issues.

Year 5:
A group project is a major element of this year. Teamwork, creative collaboration, communication and effective management are all developed. Advanced study in specialist areas such as medical device design, tissue engineering and robotic orthopaedic surgery will further develop and broaden your knowledge.

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

2027 entry requirements

Standard entry:
4 or 5 Highers at AAAA or AAABB including Maths, Biology and Engineering Science or Physics plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics recommended.

Widening access entry:
4 or 5 Highers at ABBB or BBBBB including Maths and Engineering Science or Physics plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics recommended.

A Foundation Apprenticeship is accepted in place of a non-essential Higher.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

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Website

www.strath.ac.uk