Mechatronics

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, dynamics, thermodynamics, properties of materials and electronics. 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 continue to study mathematics and fundamental engineering courses linking the mechanical and electrical domains which form the basis for the study of mechatronics.

Year 3: In your third year you will develop knowledge and skills in electronic system design, real-time programming and control systems. This is combined with study of mechanical, instrumentation and data systems to develop the interdisciplinary skills necessary to undertake a mechatronic group design project.

Years 4 and 5: In years 4 and 5 you will take a range of courses in engineering including courses in control, robotics and mechatronic systems. In addition you will take courses in professional practice including activities such as developing business plans, understanding professional and legal requirements, and management.

In your final year you will undertake a major individual project which, for the MEng degree, may be undertaken in industry or on an industry-supported topic. The final year is completed by a range of in-depth technical courses including control, dynamics, auto vehicles and fault detection.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H730

Course Length

4 years

Faculty

College of Science and Engineering

Department

James Watt School of Engineering

Entry Requirements

2027 entry requirements:

Standard entry: 5 Highers at AAAAA (by end S6 with min AABB after S5) including Maths and Engineering Science or Physics at AA (AB or BA may be considered).

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

Widening access entry: 4 Highers at AABB/BBBB (by end S6) including Maths and Engineering Science or Physics. Completion of pre-entry programme is necessary.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Website

www.gla.ac.uk