Energy Engineering

University of Glasgow

Venues

Gilmorehill Campus

Content

Year 1
Build core engineering foundations through a shared curriculum covering mathematics, dynamics, materials, and thermodynamics. You'll also develop practical skills in electronics, manufacturing, and engineering design, preparing you to analyse energy systems and low-carbon technologies.

Year 2
Develop essential knowledge in thermodynamics, fluid mechanics, mechanical design, and power electronics, supported by engineering mathematics and hands-on application. You'll be introduced to renewable energy systems, sustainability, and civil engineering concepts such as geology and surveying.

Year 3
Advance your expertise in energy systems engineering, including control, heat transfer, and power engineering. You'll apply simulation, instrumentation, and data analysis in design-focused projects, culminating in an integrated team project tackling real-world energy challenges.

Year 4
Undertake advanced study in energy engineering, combining a substantial individual research project with optional modules in areas such as power systems, thermofluids, environmental engineering, and emerging technologies including artificial intelligence and optimisation.

Year 5
Develop advanced expertise in energy systems, including energy conversion, waste heat recovery, and emerging approaches such as power-to-X. You'll complete a major individual project and explore professional and entrepreneurial practice, with options in advanced control, electrical energy systems, and sustainability.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

H801

Course Length

5 years

Faculty

College of Science and Engineering

Department

James Watt School of Engineering

Entry Requirements

2027 entry requirements

Standard entry: 6 Highers at AAAAAA (by end S6 with min AAAB after S5) including Maths and Engineering Science or Physics at A.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Website

www.gla.ac.uk