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.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H800

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 AAAB after S5) including Maths and Engineering Science or Physics at A.

Entry to 2nd year may be possible with 3 Advanced Highers at AAA including Maths and Engineering Science or Physics (first sitting) plus 5 Highers at AAAAA (from S5) including Maths and Engineering Science or Physics at A.

Widening access entry: 4 Highers at BBBB or AABB (by end of 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

University Avenue
Glasgow
G12 8QQ

Website

www.gla.ac.uk