Mechanical Engineering and Energy Engineering

Heriot-Watt University

Venues

Edinburgh Campus

Content

The undergraduate degree will equip you with a sound basis in Mechanical Engineering and Energy Engineering to progress society towards a more sustainable future with solutions for cleaner energy sources and improved efficiency. You'll explore thermodynamics and fluid mechanisms to understand how turbines generate electricity from geothermal or nuclear sources and analyse heat pumps as a more efficient alternative to gas boilers to heat homes across the UK. You'll apply your subject knowledge and problem-solving skills to develop innovate solutions to increase the efficiency and performance of aircraft and transport and improve medical engineering and nanotechnology.

As a mechanical engineer, you'll deal with the design, development, optimisation, and operation of mechanical parts and systems. You'll gain a broad knowledge of the core components in Mechanical Engineering Sciences and practices, studying modules including but not limited to mechanics, fields and forces, electrical engineering, mathematics, mechanical engineering, design and manufacture, fluid mechanics, mechanics of materials, thermodynamics, sustainable development and engineering management, energy studies, and renewable energy technologies.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

HH3V

Course Length

4 years

Faculty

Science, Technology, Engineering and Mathematics (STEM)

Department

Mechanical Engineering

Entry Requirements

2027 entry requirements

4 Highers at AABB (Standard entry) or BBBC (Widening access entry) including Maths and Engineering Science or Physics plus English at National 5.

For entry to year 2 you would require Advanced Higher Maths and Engineering Science or Physics at AB or BA plus above.

SCQF Level

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Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk