Mechanical Engineering and Energy Engineering

Heriot-Watt University

Venues

Edinburgh Campus

Content

Modern challenges require new and advanced technical solutions, and mechanical engineers are vital to achieving those solutions. It is the technical development of the world that drives us forward.

By studying this four-year degree in Mechanical Engineering and Energy Engineering you can gain the skills to tackle challenging professional tasks associated with energy provision and utilisation.

You will learn to take responsibility for decision-making in areas related to energy and the environment. Building on a sound engineering foundation, you will be introduced to specialist energy topics as well as environmental impact assessment and management.

Mechanical Engineers will help us to progress towards a more sustainable future with solutions for cleaner energy sources and improved efficiency.

For example, thermodynamics and fluid mechanics, which are key to mechanical engineering, underpin the turbines used in generating electricity from geothermal or nuclear sources as well as the heat pumps which could replace gas boilers in homes across the UK as a more efficient alternative. Other developments gained through mechanical engineering will increase the efficiency and performance of aircraft and transport, and improve medical engineering and nanotechnology.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng Hons

UCAS Code

HH38

Course Length

5 years

Faculty

School of Engineering and Physical Sciences

Department

Mechanical Engineering

Entry Requirements

2025 entry requirements

Standard entry: 4 Highers at AAAB including Maths and Physics (1 at A) plus English at National 5.

Widening access entry: 4 Highers at BBBC including Maths and Physics or Engineering Science at BB plus English at National 5.

For entry to Level 2 you would require Advanced Higher Maths and Physics at AB or BA plus 4 Highers at AAAB.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk