

# Mechanical Engineering

Heriot-Watt University

## Venues

Edinburgh Campus

## Content

### Year 1

Emphasis is on developing basic mathematical, scientific and communication skills. Topics include Mechanical Engineering Science, Physics, Introduction to Electrical Engineering, Programming and Foundation Mathematics.

### Year 2

Subjects include Strength of Materials; Machine Dynamics; Applied Thermodynamics; Fluid Dynamics; Materials Engineering; Design and Manufacture; Control Engineering; and Instrumentation.

### Year 3

Subjects include Strength of Materials; Machine Dynamics; Applied Thermodynamics; Fluid Dynamics; Materials Engineering; Design and Manufacture; Control Engineering; and Instrumentation.

### Year 4

Students choose specialist subjects from Fluid Mechanics, Thermodynamics, Strength of Materials and Machine Dynamics. Mandatory courses include a year-long individual project plus Engineering Design and Manufacture that includes an industrial project. Other options such as Petroleum Engineering and Automotive Technologies are available.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

BEng Hons

## UCAS Code

H300

## Course Length

4 years

## Faculty

School of Engineering and Physical Sciences

## Department

Mechanical Engineering

## Entry Requirements

2023 entry requirements

Standard entry: 4 Highers at AABB including Maths and Physics at AB or BA 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 Engineering Science or Physics at AB or BA plus 4 Highers at AABB.

## SCQF Level

10

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

Edinburgh  
EH14 4AS

## Website

[www.hw.ac.uk](http://www.hw.ac.uk)