

# Electrical and Electronic Engineering

Heriot-Watt University

## Venues

Edinburgh Campus

## Content

### Year 1

Circuit Theory, Digital Design, Mathematics, Computer Programming and Electronic Design form the core subjects. In addition, students choose an elective option from a list that includes Mechanics and Physics.

### Year 2

Further study of Electronic Design, Digital Design, Embedded Programming and Mathematics is complemented by introductions to Signals and Electromechanical Systems supported by appropriate lab and project work.

### Year 3

Emphasis turns to design synthesis. Subjects include Energy Systems, Analogue Electronics, Electromagnetics, Physical Electronics and Communications. A quarter of the year is spent working on a large team-based project, incorporating Digital and Software Design, Mechanics and Management.

### Year 4

Students work on a group project during both semesters and select taught topics from a list that includes Embedded Systems, Sustainable Energy and Power Systems, Communications, Image Processing, RF Communications, Analogue Electronics and Microwave Techniques.

### Year 5

The summer and the first semester form a six-month industrial placement. During the second semester students choose from a range of advanced Electrical and Electronic Engineering topics.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

MEng

## UCAS Code

H605

## Course Length

5 years

## Faculty

School of Engineering and Physical Sciences

## Department

Electrical, Electronic and Computer Engineering

## Entry Requirements

2022 entry requirements:

Standard entry: 4 Highers at AABB including Maths and Engineering Science or Physics plus English at National 5.

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

For entry to Level 2 you would require Advanced Higher Maths and Physics at BB plus 4 Highers at AABB.

## SCQF Level

11

## Address

Edinburgh  
EH14 4AS

## Website

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