

# Electrical and Electronic Engineering

Heriot-Watt University

## Venues

Edinburgh Campus

## Content

BEng (hons) Electrical and Electronic Engineering provides you with a broad-based education in the subject, and develops your critical understanding of the core theories, principles and concepts relating to the use of engineering and computer technology. You'll integrate engineering principles with the knowledge and understanding of mathematics, science, and management to adopt a holistic approach to solve current and emerging electrical engineering problems.

During the first three years?students study topics from low current electronics to high power systems. In Year?4 you can choose from a set of specialist?courses to complement your?thesis topic selection.

You'll work on both individual and group projects from third year onwards, gaining valuable hands-on experience. The projects challenge you to solve a 'real life' problem –?such as the project in which?our students helped design an electronic egg to monitor penguin incubation. You will be taught how to use industry-standard equipment and facilities, and will be supported and encouraged by staff to use the equipment to further your studies, innovate creative engineering solutions in your personal time, and apply your knowledge to relevant societies and extracurricular team competitions, including CanSat, and Formula Student.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

BEng Hons

## UCAS Code

H600

## Course Length

4 years

## Faculty

School of Engineering and Physical Sciences

## Department

Electrical, Electronic and Computer Engineering

## Entry Requirements

2026 entry requirements

Standard entry: 4 Highers at AABB (two sittings) including Maths and Engineering Science or Physics (1 at A) plus English at National 5.

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

For entry to year 2 you would require Advanced Higher Maths and 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