

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 an individual Honours project 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.

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

2024 entry requirements

Standard entry: 4 Highers at ABBB 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 at B plus English at National 5.

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

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk