

## Computing and Electronics

Heriot-Watt University

### Venues

Edinburgh Campus

### Content

First Year: Is designed to bring together the analytic skills of the computer scientist and the development and design skills of the electronics engineer. Computing and Electronics takes a design-centred approach and focuses on software engineering, digital and electronic design.

Second Year: Understanding in the Design and Implementation of Algorithms for Manipulating Advanced Data Structures is developed, as are advanced principles in Software Engineering and Circuit Analysis.

Third Year: Teamwork, the issues faced by the qualified practitioner, specialist study of computation and information systems, and digital and communication systems are covered.

Fourth Year: Options to be selected from Systems Level Integration; Interconnection Systems; Embedded Systems; Signal Processing; Communications; Real Time Programming Languages; Robotics; Vision/Image Processing; VLSI; Distributed Systems. Includes an industrial placement during the summer.

Fifth Year: Modules covering topics: Systems Level Integration; Interconnection Systems; Embedded Systems; Distributed Systems; Vision/Image Processing and Real-Time Programming; including two compulsory Engineering Management modules and Project Skills Workshops. The project, normally based on industrial placement work, continues throughout the year including dissertation and presentation of project work.

### Start Date

September

### Qualification

Degree

### Study Method

Full time

### Award Title

MEng

### UCAS Code

GHK6

## Course Length

5 years

## Faculty

School of Engineering and Physical Sciences

## Department

Electrical, Electronic and Computer Engineering

## Entry Requirements

2020 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

10

## Address

Edinburgh  
EH14 4AS

## Website

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