

# Computer and Electronic Systems

University of Strathclyde

## Content

What do 3D TV, digital cameras, smartphones, the iPad and sports instant replay have in common? They're all examples of technology which have been developed combining skills from both Computer Science and Electronic Engineering.

These subjects have become increasingly intertwined in recent years, so there's a need for engineers with the ability to create and embed intelligence into the products and systems of the future.

Year 1:

Electronic Circuits; Maths; Computer Science and software engineering; practical labs and project work introducing design and build activities.

Year 2:

You learn a range of programming languages (Java, C++, C, Ruby, Python); Computer Communications; Engineering Design Techniques; Hardware and Software Analysis.

Year 3:

Specialist topics such as Artificial Intelligence, Embedded systems and Computing Architectures.

Year 4: Individual design project in your chosen specialism and choice of classes including Digital Forensics, Laser Systems and Information Security; year abroad for those on the MEng International Study stream.

Year 5:

Group Design Project to develop a prototype system to showcase at the end-of-year industry exhibition, plus a choice of advanced topics such as computer security, e-commerce and video processing.

## Start Date

October

## Qualification

Degree

## Study Method

Full time

## Award Title

MEng

## UCAS Code

GHK6

## Course Length

5 years

## Faculty

Faculty of Engineering

## Department

Electronic and Electrical Engineering

## Entry Requirements

2027 entry requirements

Standard entry:

5 Highers at AAAAB including Maths at A and Engineering Science or Physics plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics recommended.

Widening access entry:

4-5 Highers at ABBB or BBBB including Maths and Engineering Science or Physics plus English at National 5 (Higher preferred). Advanced Higher Maths and Physics recommended.

A Foundation Apprenticeship is accepted in place of a non-essential Higher.

## SCQF Level

11

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

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## Website

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