

Electronics and Electrical Engineering

University of Edinburgh

Venues

King's Buildings Campus

Content

Electronics and electrical engineers pioneer change in the modern technologies that underpin our world. From the tiny processors in smartphones, to the heavy-duty power electronics in wind turbines, they create more powerful, efficient and universal products, systems and materials, addressing the future needs of societies locally and across the globe.

Electronics is the study of circuits and devices that carry relatively small currents and voltages. It concerns the sensing, transduction and processing of data signals, in either digital or analogue forms.

Electrical engineering concerns much larger currents and voltages, usually for the purpose of generating and transmitting electrical power.

In an electronics and electrical engineering (EEE) degree programme, you will study both areas, with the opportunity to specialise in later years.

They deliver this content across three streams:

- electronics (for example, analogue, digital, microelectronics)
- information sciences (for example, communications, sensors, machine learning)
- power (for example, smart grids, machines, systems)

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H600

Course Length

4 years

Faculty

College of Science and Engineering

Department

Engineering

Entry Requirements

2027 entry requirements

Standard entry:

4 Highers at AAAA (by end of S5 preferred) including Maths at A and one from Biology, Chemistry, Computing Science, Engineering Science or Physics (preferred) plus National 5 Engineering Science or Physics at B and English at C.

For direct entry to year 2 you would require 2 Advanced Highers at AA including Maths plus 2 further Highers at AB including Engineering Science, Physics or another technological subject.

Widening access entry:

4 Highers at AABB (two sittings) including Maths at A and one from Biology, Chemistry, Computing Science, Engineering Science or Physics (preferred) plus National 5 Engineering Science or Physics at B and English at C. Highers at BBB must be achieved in one sitting.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

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 South Bridge
 Edinburgh
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Website

www.ed.ac.uk