

Electronic and Software Engineering

University of Aberdeen

Venues

Old Aberdeen Campus

Content

Electronic Engineering is at the core of the modern world, from computers, to digital circuits, photonics and a wealth of electronic devices. This exciting new programme delivers the ideal marriage between Electronic engineering and Software engineering, allowing graduates to pursue a wide range of engineering interests and career choices. You will use your imagination, creativity and knowledge to provide society with the complex electronic systems it needs as well as the software required to operate these systems optimally.

In your future career you may design the machines that supply our energy needs, digital control systems for aircrafts, internet-enabled sensors, design complete computer systems on a silicon chip, photonics to instrument the ocean depths, create stunning electronic displays, or design the latest communications satellite or mobile phone.

Students will learn how to design, analyse and implement large-scale software solutions, factoring in hardware and electronics specifics. The courses will cover core computing topics such as computer architecture, programming, programming languages, algorithms, databases, software project management, and software engineering tools and techniques. Advanced computing topics include distributed (autonomous) systems, knowledge technologies, Internet-of-Things, sensor networks, robotics, and security.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

H6H3

Course Length

5 years

Faculty

Physical Science

Department

Engineering

Entry Requirements

2027 entry requirements:

4 Highers at ABBB including Math and Engineering Science or Physics plus National 5 English.

1 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

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