Mechanical and Electrical Engineering

University of Aberdeen

Venues

Old Aberdeen Campus

Content

Mechanical engineering is concerned with creative and imaginative use of engineering principles and science to shape the world around us, through the development of new materials, technologies, processes and products.

Electrical Engineering is at the core of the modern world, from computers, to digital circuits, photonics and a wealth of electronic devices.
Year 1: Principles of Electronics; CAD and Communications in Engineering Practice; Fundamentals of Engineering Materials; Engineering Mathematics 1; Fundamental Engineering Mechanics; Electronics Design.

Year 2: Fluid Mechanics and Thermodynamics; Process Engineering; Engineering Mathematics 2; Design and Computing in Engineering Practice; Electrical and Mechanical Systems; Electronic Systems.

Year 3: Control Systems; Signals, Systems and Signal Processing; C/C++ Programming; Electrical Power Engineering; Digital Systems; Communications Engineering 1; Electrical and Electronics Engineering Design; Engineering Analysis and Methods 1A; Project and Safety Management.

Year 4: Sensing and Instrumentation; Electrical Machines and Drives; Computer and Software Engineering; Communications Engineering 2; Individual Project (MEng/BEng); Group Design Project (BEng).

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

HH36

Course Length

4 years

Faculty

Physical Science

Department

Engineering

Entry Requirements

2027 entry requirements

Standard entry:
4 Highers at BBBB including Maths and Engineering Science or Physics plus English at National 5.

Widening access entry:
3 Highers at BBC including Math and Engineering Science or Physics plus English at National 5.

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

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Aberdeen City
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Website

www.abdn.ac.uk