

# 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

King's College  
Aberdeen  
Aberdeen City  
AB24 3FX

## Website

www.abdn.ac.uk