

# Mechanical and Electrical Engineering

University of Aberdeen

## Venues

Old Aberdeen Campus

## Content

Electrical and Electronic Engineering provides core enabling technologies for the modern world. From power systems that harnesses the sun's energy to power our sustainable cities and communication systems that allow high-speed information exchanges over inter-planetary distances to miniature robots that deliver medications to a targeted region of the human body and tweezers that manipulate individual atoms to create high-precision machines and components - are all results of phenomenal electrical and electronic engineering endeavours.

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

2023 entry requirements:

Standard entry:

4 Highers at ABBB (first sitting) including Maths and Engineering Science or Physics plus National 5 English. Those with Highers at BBB with a good performance in Maths and Physics by end of S5 are encouraged to apply.

Widening access entry:

2 Highers at BB including Maths (by end of S5). Additional Highers/Advanced Highers in S6.

## SCQF Level

10

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

King's College  
Aberdeen  
Aberdeen City  
AB24 3FX

## Website

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