

# Electronic and Electrical Engineering

Robert Gordon University

## Content

Year 1:

Introduction to Electrical Engineering; Maths 1A; Statics and Dynamics; Professional Skills; Introduction to Digital Electronics and Microcontrollers; Maths 1B; Introduction to Analogue Electronics and Signals; Product Development.

Year 2:

Electronics 2; Electrical Systems; Computer Engineering; Introduction to Telecommunications; Electrical Power; Maths 2; Applied Management; Design Exercise.

Year 3:

Electronics 3; Signal Acquisition, Instrumentation and Control; Electrical Machines and Drives 1; Embedded Systems; Project Management, Teamworking and Leadership; Elective (Data Networks or Offshore Engineering); Elective (Electrical Power and Energy Systems or Object Oriented Software Development); Group Project; Socially Responsible Management; Pre-Project Industrial Placement (double module).

Year 4:

Advanced Electronics; Control and Signal Processing; Advanced Digital System Design; Safety, Risk and Reliability Management; Advanced Data Networks or Electrical Machines and Drives 2; Power Systems Analysis and Protection or Renewable Energy Systems; Project (double module); Quality Management for Engineers; Post-Project Industrial Placement (double module).

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

BEng Hons

## UCAS Code

H606

## Course Length

4 years

## Department

School of Engineering

## Entry Requirements

2023 entry requirements

Standard entry:

4 Highers at BBBC including Maths and Engineering Science, Physics or another technological subject plus English at National 5 (if not held at Higher).

Widening access entry:

4 Highers at CCCC including Maths and Engineering Science, Physics or another technological subject plus English at National 5 (if not held at Higher).

## SCQF Level

10

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

Garthdee House  
Garthdee Road  
Aberdeen  
AB10 7QB

## Website

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