

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).

Year 5:

(This option may not run) Principles of Asset Management; Socially Responsible Management; Real-Time Embedded Systems; Group Project (double module); Internet Security; Advanced Signal Processing and Systems Analysis.

It is possible to complete the MEng as a fast track 4 year course.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

H600

Course Length

4-5 years

Department

School of Engineering

Entry Requirements

2023 entry requirements

Standard entry:

4 Highers at BBBB 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

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Garthdee House
Garthdee Road
Aberdeen
AB10 7QB

Website

www.rgu.ac.uk