

# Mechanical Engineering

Robert Gordon University

## Content

Year 1:

Maths 1A; Statics and Dynamics; Introduction to Electrical Engineering; Professional Skills; Maths 1B; Introduction to Design, Materials and Manufacture; Thermofluids 1; Product Development.

Year 2:

Mechanics of Solids; Thermofluids 2; Mechanical Engineering Design 1; Introduction to Industrial Electronics; Maths 2; Dynamics; Mechanical Engineering Design 2; Electrical Power.

Year 3:

Maths 3; Signal Acquisition, Instrumentation and Control; Environmental Engineering; Project Management, Team Working and Leadership; Engineering Analysis 1; Industrial Plant; Renewable Energy Systems; Group Project.

YEAR 3 (MEng fast-track only)

Pre-Project Industrial Placement, Socially Responsible Management, Principles of Asset Management.

Year 4:

Engineering Analysis 2; Failure Analysis; Safety, Risk and Reliability Management; Systems Engineering; Plant Performance; Control and Instrumentation; Individual Project.

MEng Fast-Track only – Engineering Analysis 3; Quality Management for Engineers; Post-Project Industrial Placement (double module).

Year 5:

Principles of Asset Management; Socially Responsible Management; Advanced Thermofluids; Quality Improvement and Statistical Process Control; Engineering Analysis 3; Materials and Corrosion Science; MEng Group Project.

The MEng can be completed as a fast track 4 year course.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

MEng

## UCAS Code

H304

## Course Length

4-5 years

## Department

School of Engineering

## Entry Requirements

2024 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

11

## 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)