

Mechanical and Electrical Engineering

Robert Gordon University

Content

YEAR 1

Introduction to Electrical Engineering, Professional Skills, Statics and Dynamics, Mathematics, Product Development, Introduction to Design, Materials and Manufacture, Thermofluids.

YEAR 2

Electrical and Electronic Design, Mechanics of Solids, Thermofluids, Mechanical Engineering Design, Dynamics, Electrical Power, Mathematics.

YEAR 3

Signal Acquisition, Instrumentation and Control, Electrical Machines and Drives, Project Management, Team-Working and Leadership, Mathematics, Engineering Analysis, Renewable Energy Systems, Mechatronics and Automation, Industrial Plant, Group Project.

YEAR 3 (MEng fast-track only)

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

YEAR 4

Engineering Analysis, Control and Instrumentation, Electrical Machines and Drives, Honours/MEng Project, Power Systems Analysis and Protection, Plant Performance, Safety, Risk and Reliability Management.

YEAR 4 (MEng fast-track only)

Engineering Analysis, Post-Project Industrial Placement, Quality Improvement and Statistical Process Control.

YEAR 5 (5 Year MEng only)

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

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

H300

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»

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