

# Degree Structure - Engineering

**WORLD  
CHANGERS  
WELCOME**

This presentation describes the structure of undergraduate Engineering degrees at the University of Glasgow.

## Engineering Degrees

- Aeronautical
- Aerospace Systems
- Biomedical
- Civil
- Civil with Architecture
- Electronic & Electrical
- Electronic & Software
- Electronics with Music
- Mechanical
- Mechanical Design
- Mechanical with Aeronautics
- Mechatronics
- Product Design

The University of Glasgow offers Engineering degrees in the areas of Aero, Biomedical, Civil, Electronic & Electrical, Mechanical and Product Design.

Our degrees in Civil with Architecture and Product Design are both taught in partnership with the Glasgow School of Art.

Electronics with Music is taught in partnership with the University's College of Arts and performance options are available for talented musicians.

Our Electronic and Software Engineering degree is taught in partnership with the University's School of Computing Science.

## Degree Types

- **BEng** (4 years)
- **MEng** (5 years including placement)

All of our Engineering degrees can be studied as either a 4 year Bachelor (or BEng) or as a 5 year Masters in Engineering (or MEng).

Students are involved in extensive project work throughout their degree but the 5 year MEng includes a six month project placement in industry, within the University or via a placement abroad.

## Degree Types

- **BEng** (4 years)
- **MEng** (5 years including placement)

**BEng / MEng Content:**  
Identical in years 1, 2 & 3

For each programme, the content of the BEng and MEng degrees is identical in years 1, 2 and 3.

Ultimately, it is performance in these years which determines entry to the MEng degree path.

Therefore it is possible to progress from the BEng to MEng through strong performance at university.

## Advanced Entry

- **MEng** (4 years)
- **BEng** (3 years)

Apply for 'year 2' via UCAS...

Advanced entry is also available for students with exceptional grades.

This allows the completion of the five year MEng degree in four and the four year BEng in three.

Applicants who are interested in Advanced Entry should apply for 'year 2' in their UCAS application.

## Advanced Entry

- **MEng** (4 years)
- **BEng** (3 years)

Available for all  
programmes except:

Electronic & Software  
Electronics with Music

Advanced Entry is available for all degrees with the exception of Electronic & Software Engineering and Electronics with Music.

## Common Curriculum

Aeronautical  
Aerospace Systems  
Biomedical  
Civil  
Civil with Architecture  
Electronic & Electrical  
Electronic & Software  
Electronics with Music  
Mechanical  
Mechanical Design  
Mechanical with Aeronautics  
Mechatronics  
Product Design



There is a common curriculum across the majority of our degree programmes in year 1. The common curriculum provides the option of switching degree programme at the end of year 1.

Movement is possible across all Aero, Biomedical, Civil, and Mechanical programmes.

It is possible to switch to and from Electronic and Electrical Engineering but not the other Electronic degrees.

It is not possible to switch to or from Product Design Engineering.

If you cannot decide between a Mechanical or Electrical Engineering programme then Mechatronics is the perfect blend of both.

## Common Curriculum

1. Dynamics 1
2. Statics 1
3. Materials 1
4. Thermodynamics 1
5. Analogue Electronics 1

Listed are the year one common curriculum modules.

These are shared across all programmes with the exception of our Electronic Engineering degrees.



## Common Curriculum

1. Dynamics 1
2. Statics 1
3. Materials 1
4. Thermodynamics 1
5. Analogue Electronics 1

### All

6. Engineering Mathematics 1
7. Engineering Skills 1

Each programme has additional modules but all Engineering students will also study Engineering Mathematics and Engineering Skills.

Modules are supported by extensive project and laboratory work and an interdisciplinary approach which is favoured by industry.

University of Glasgow

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## UNDERGRADUATE STUDY

Refine by

Engineering

All A B C E M P

- [Aeronautical Engineering](#) [MEng/BEng]
- [Aeronautical Engineering \(in partnership with SIT\)](#)
- [Aerospace Systems](#) [MEng/BEng]
- [Aerospace Systems \(in partnership with SIT\)](#)
- [Biomedical Engineering](#) [BEng/MEng]
- [Civil Engineering](#) [MEng/BEng]
- [Civil Engineering \(jointly offered with SIT\)](#)
- [Civil Engineering with Architecture](#) [MEng/BEng]
- [Electronic & Software Engineering](#) [BSc/BEng/MEng]
- [Electronic & Electrical Engineering](#) [BSc/BEng/MEng]

Full details of all modules and their content for each Engineering degree can be found on our website.

For Aeronautical Engineering (for example) scroll down to the 'Further Information section' and click on 'Degree Structure'. Here you will find all modules and their content for years one, years two, years three, years four and years five as shown.

The Further Information section also provides details of the extensive project work undertaken within each degree and the many extra curricular opportunities and projects for Engineers to 'Get Involved'. This includes 'Engineers Without Borders' and 'Formula Student'.

# WORLD CHANGERS WELCOME WHO WILL YOU BECOME?

For more information on Engineering at the University of Glasgow, please see our website: [www.glasgow.ac.uk/undergraduate/degrees/?filter=engineering](http://www.glasgow.ac.uk/undergraduate/degrees/?filter=engineering)