

# Aeronautical Engineering

University of Glasgow

## Venues

Gilmorehill Campus

## Content

Years 1: In your first year, you will take a wide-ranging curriculum which includes courses in aeronautical engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it possible to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

Years 2 and 3: In year 2 you will study fluid mechanics, dynamics, aeronautical engineering, thermodynamics and mathematics. In year 3 you will learn about the design of aircraft. You will begin to analyse and understand aircraft behaviour, aircraft performance and propulsion systems, and you will begin to perform detailed analysis of aircraft structural components.

Years 4 and 5: In year 4 you will begin to deal with some of the advanced concepts in aeronautics. These include the study of composite materials, aeroelasticity, propulsion, high-speed aerodynamics, fluid dynamics, flight dynamics and control theory.

For BEng students individual project work allows you to apply the knowledge you have gained during your studies to a problem in aeronautical engineering. MEng students undertake an interdisciplinary team project instead.

If you are an MEng student, in year 5 you will learn about aircraft handling qualities, aircraft operations, and advanced structural analysis techniques. Half of this year is devoted to project work, which can be carried out in industry, within the university or via a placement abroad.

A range of optional courses are available in years 4 and 5 to allow you to develop and follow your interests.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

MEng

### UCAS Code

H410

### Course Length

5 years

### Faculty

College of Science and Engineering

### Department

Engineering

### Entry Requirements

2021 entry requirements:

6 Highers at AAAAAA (by end S6 with min ABBB after S5) including Maths and Physics or Engineering Science.

### SCQF Level

10

### Address

Glasgow  
G12 8QQ

### Website

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