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.

Year 4: 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.

Year 5: Students 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.

MEng students undertake an interdisciplinary team project.

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

James Watt School of Engineering

Entry Requirements

2027 entry requirements:
6 Highers at AAAAAA (by end S6 with min AAAB after S5) including Maths and Engineering Science or Physics at A.

Entry to year 2 may be possible with 3 Advanced Highers at AAA including Maths and Engineering Science or Physics plus Highers at AAAAA (first sitting).

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

University Avenue
Glasgow
G12 8QQ

Website

www.gla.ac.uk