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: 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.

BEng students undertake an individual project to solve a problem in aeronautical engineering.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H415

Course Length

4 years

Faculty

College of Science and Engineering

Department

James Watt School of Engineering

Entry Requirements

2027 entry requirements

Standard entry: 5 Highers at AAAAA (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).

Widening access entry: AABB or BBBB (by end of S6) including Maths and Engineering Science or Physics at A or B. Completion of pre-entry programme is necessary.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

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Website

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