

# University Foundation Programme in Engineering

International Foundation Group

New for 2026/27:  
Award in AI – Concepts,  
Ethics & Applications  
(optional course for IFG  
London and online  
students only)

During your Foundation Programme you will develop the language, learning and communication skills that will prepare you for university study in the UK & Australia. In addition, you will study the following key academic subject modules, and the course is completed with a project.

## Physics

An introduction to the applications of physics and their importance to different fields of human activity. You will also learn the skills required for designing, conducting and analysing experiments.

## Further Mathematics & Mechanics

An essential subject for students wishing to progress to degrees in any engineering field.

## Chemistry

An introduction to the fundamentals of physical, organic and inorganic chemistry. You will study atomic structure, chemical bonding and measurement, plus how to write chemical formula and balance chemical equations.

## Computer Science

You will study a wide range of topics including, Artificial Intelligence (AI), programming, databases, networks, IT security, and web development. The module is practically based with a strong emphasis on applying learning to real life situations.

## What you will study

### English Skills Modules

- Study Skills
- Communication Skills
- Academic English

### Academic Subject Modules

- Core Mathematics
- Chemistry or Computer Science
- Physics
- Further Mathematics & Mechanics

## Entry requirements

- Completion of High School in your country with good grades (including Maths & a Science) or 4 relevant IGCSEs at Grade C (4).
- An English level equivalent to 5.0 in IELTS.
- Please contact us for country specific academic entry requirements.
- Pre-sessional English courses are available for students who do not have the required English level.

## Progression to university study in the following subjects

- Aerospace/Aeronautical Engineering
  - Civil Engineering
  - Electrical/Electronic Engineering
  - Mechanical Engineering
  - Engineering Management
  - Physics
  - Astrophysics/Astronomy
  - Agriculture/Agricultural Science
  - Chemical Engineering\*
  - Petrochemical Engineering\*
- \*Only for students who have studied the Chemistry module

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London | Abu Dhabi | Online

# Our University Pathways

IFG Foundation Programmes in Business Management, Computer Science, Social Sciences and Engineering are recognised as meeting the undergraduate entry requirements of a range of universities.



## Pathways to other UK universities

In addition, IFG students have received offers from a number of other universities including Durham University, Loughborough University, University of York, University of Manchester, King's College London, Newcastle University, Queen Mary University London, University of Bristol, University of Nottingham and many more....

### Fees and Start Dates

London: GBP 15,000  
Abu Dhabi: USD 13,400  
Online: GBP 9,500  
Note: Fees are subject to change

**Start dates:** September & January

**Courses length:** One Academic Year

For availability & fees at partner teaching centres please contact us at [info@intfoundationgroup.co.uk](mailto:info@intfoundationgroup.co.uk)

### Our Australian University Pathways



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