

# UNIVERSITY FOUNDATION PROGRAMME IN ENGINEERING



## OVERVIEW

During your Foundation Programme you will develop the language, learning and communication skills that will prepare you university study in the UK & Australia. In addition, you will study the following key academic subject modules:

### ▶ 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.

### ▶ 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.

### ▶ 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.

*The course is completed with a project which consolidates your learning and further prepares you for undergraduate study.*

## WHAT YOU WILL STUDY

### English Skills Modules

- ▶ Study Skills
- ▶ Academic English
- ▶ Communication Skills

### Academic Subject Modules

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

## Progression to undergraduate 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*

## 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.

## Fees and start dates

London: **GBP 14,000**

Abu Dhabi: **USD 13,400**

Online: **GBP 9,000**

*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)