

Foundation Certificate in Science and Engineering

at Kaplan International College London

COURSE OPTIONS

2 TERMS

Entry requirements: equivalent of UK year 12*, and at least UKVI IELTS 5.5 (minimum 4.5 in all skills)

Course start: September 2018, January 2019

Course length: 6 to 9 months

Degree entry: September 2019

Tuition fees: £16,500

3 TERMS: ENHANCEMENT

Study extra modules to further enhance your academic skills.

Entry requirements: equivalent of UK year 12*, and at least UKVI IELTS 5.5 (minimum 4.5 in all skills)

Course start: September 2018, October 2018†

Course length: 10 to 11 months

Degree entry: September 2019

Tuition fees: £18,660

3 TERMS: MATHS AND SCIENCE

Study extra modules to develop basic skills in Maths and Science.

Entry requirements: equivalent of UK year 12*, and at least UKVI IELTS 5.5 (minimum 4.5 in all skills)

Course start: September 2018

Course length: 11 months

Degree entry: September 2019

Tuition fees: £18,660

* Including equivalent of GCSE Maths and Science at grade C/4 or above.

† 2.5-term course: students join the 3-term Foundation, but begin half a term later.

LOWER UKVI IELTS?

If your English language level is lower than that listed above, but you have at least UKVI IELTS 4.0 in all skills, you can take a course that includes Extended English and Skills (EES). Contact us for more details about EES.

WHAT YOU'LL STUDY

CORE MODULES

ALL STUDENTS ON THIS FOUNDATION CERTIFICATE WILL TAKE:

Language for Study 2

- English skills in listening, reading, writing and speaking

Language for Study 3

- Complex arguments in English
- Giving evidence of research

Skills for Study 1

- Presentation, note-taking and essay-writing skills

Skills for Study 2

- Analytical skills in written and spoken information

Skills for Study 3

- Researching and analysing information to a high standard
- Structuring written and oral arguments

PATHWAY MODULES

YOU'LL ALSO STUDY MODULES IN ONE OF THE FOLLOWING PATHWAYS. THIS IS DETERMINED BY YOUR UNIVERSITY OF YORK DEGREE SUBJECT.

Life Sciences pathway

Biological Sciences

- Reproduction, development and metabolism in animals
- Genetic and cellular principles

Fundamentals of Science

- States of matter
- Periodic table trends and patterns
- Chemical bonding, chemical energy changes and solutions

Introduction to Social Sciences

- Principles of anthropology, sociology, economics and political science

Statistics

- Applying statistical knowledge and techniques to real-world problems

Science and Engineering pathway

Applied Mathematics

- Mathematical modelling and reasoning skills

Foundation Mathematics

- Algebra, geometry and trigonometry
- Vectors
- Differentiation and integration

Basic Engineering

- Fluid mechanics
- Thermodynamics
- Engineering materials and electronics

Physical Sciences

- Optics, waves and lasers
- Electronics and magnetism
- Thermal physics and thermal and mechanical properties of matter

3-TERM MODULES

IF YOU'RE STUDYING A 3-TERM FOUNDATION CERTIFICATE, YOU'LL ALSO TAKE ENHANCEMENT MODULES OR MATHS AND SCIENCE MODULES.

3-term Enhancement modules

Introduction to Academic Skills

- Key academic skills
- Digital literacy and personal development skills

Introduction to British Society and Culture

- UK life and culture
- British society and history

Plus one of the following:

Life Sciences pathway students:

Basic Numeracy and IT Skills

- General IT skills
- Key software such as Microsoft Office

Science and Engineering pathway students:

Preparatory Mathematics

- Algebra, geometry, trigonometry, graphs and transformations
- Applications of these topics

OR

3-term Maths and Science modules

Preparatory Mathematics

- Algebra, geometry, trigonometry, graphs and transformations
- Applications of these topics

Preparatory Science

- Essential subject knowledge related to biology, chemistry and physics

DEGREE POSSIBILITIES

This Foundation Certificate can lead to a wide variety of degree subjects at the University of York.

You could progress to:

- Biology
- Biomedical Science
- Chemistry
- Communication Engineering
- Computer Engineering
- Computer Science
- Ecology
- Electronic Engineering
- Environmental Science
- Genetics
- Geography
- Mathematics
- Physics
- Psychology

For a full list of degree options, see page 48.

CAREER POSSIBILITIES

This educational route can open up many career options for you.

You could become a:

- Biologist
- Biomedical Scientist
- Data Scientist
- Ecologist
- Electronic Engineer
- Environmental Scientist
- Lab Technician
- Mathematician
- Physicist
- Software Engineer

HAVE ANY QUESTIONS?

Contact our team for help:

kaplanpathways.study@kicl-york.ac.uk
contact-kicl-york@kicl-york.ac.uk