

Science and Engineering

Course options

Entry requirements: these options require completion of high school with good grades†, and at least UKVI IELTS 5.5 (minimum 4.5 in all skills)

2 TERMS

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
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
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 start half a term later.

Lower IELTS score?

If your English language level is lower than the 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.

CORE MODULES

All students on this Foundation Certificate will take:

Foundation Mathematics

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

Applied Mathematics

- Mathematical modelling and reasoning skills

Basic Engineering

- Fluid mechanics
- Thermodynamics
- Engineering materials and electronics

Language for Study 2

- English skills in listening, reading, writing and speaking

Language for Study 3

- Complex arguments in English
- Giving evidence of research

Physical Sciences

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

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

3-TERM MODULES

If you're studying a 3-term Foundation Certificate, you'll also take either 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

— OR —

3-term Maths and Science modules

Preparatory Mathematics

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

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Preparatory Science

- Essential subject knowledge related to biology, chemistry and physics

Degree possibilities

This Foundation Certificate can lead to a range of undergraduate degree subjects at City, University of London. For example, you could progress to:

- Aeronautical Engineering
- Biomedical Engineering
- Civil Engineering
- Computer Science
- Electrical and Electronic Engineering
- Mathematics
- Mechanical Engineering

For a full list of degree options, see page 36.

Career possibilities

This educational route can open up many career options for you. You could become a:

- Aeronautical Engineer
- Biomedical Engineer
- Civil Engineer
- Computer Games Developer
- Electronic Engineer
- Financial Analyst
- IT Consultant
- Mathematician
- Mechanical Engineer
- Site Engineer
- Software Engineer

Have any questions?

Contact our team for help:

► [kaplanpathways.study/contact-kicl-city](https://www.kaplanpathways.study/contact-kicl-city)

