

FOUNDATION CERTIFICATE IN ENGINEERING

COURSE OPTIONS

2 TERMS

Entry requirements: completion of high school†, and at least UKVI IELTS 5.5 (minimum 4.5 in all skills)

Course start: September 2018, January 2019

Course length: 7 to 9 months

Degree entry: September 2019

Tuition fees: £12,920

3 TERMS: ENHANCEMENT

Study extra modules to further enhance your academic skills

Entry requirements: completion of high school†, 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: £13,986

3 TERMS: MATHS AND SCIENCE

Study extra modules to develop basic skills in Maths and Science

Entry requirements: completion of high school†, 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: £13,986

LOWER IELTS SCORE?

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.

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, mechanics and dynamics
- Engineering design and electronics

COMBINED LANGUAGE FOR STUDY 1 AND 2

- English skills in reading, writing, speaking and listening

LANGUAGE FOR STUDY 3

- Complex arguments in English
- Giving evidence of research
- Preparation for exit language exams

PHYSICAL SCIENCES

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

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 enhancement modules or maths and science modules.

3-TERM ENHANCEMENT MODULES

COMPUTING SKILLS FOR FOUNDATION CERTIFICATE

- Basic IT skills
- Computing topics
- Software such as Microsoft Office

PERSONAL DEVELOPMENT AND PRE-STUDY SKILLS

- Advanced skills related to your course
- 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

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 the University of Brighton. For example, you could progress to:

- Aeronautical engineering
- Architectural technology
- Automotive engineering
- Civil engineering
- Construction
- Electrical and electronic engineering
- Mathematics
- Mechanical engineering
- Product design
- Surveying

For a full list of degree options, see page 44.

CAREER POSSIBILITIES

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

- Aeronautical engineer
- Automotive engineer
- Biomedical engineer
- Chartered surveyor
- Civil engineer
- Construction project manager
- Data analyst
- Electrical engineer
- Mechanical engineer
- Network engineer
- Product designer
- Statistician

HAVE ANY QUESTIONS?

Contact our team for help:
kaplanpathways.study/contact-brighton

† Including equivalent of GCSE Maths at grade C/4 or above.

* 2.5-term course — students join the 3-term Foundation Certificate, but begin half a term later.