

Foundation Certificate in SCIENCE AND 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, October 2018, January 2019, February 2019, March 2019, May 2019

Course length: 6 to 9 months

Degree entry: September 2019*

Tuition fees: £12,920

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, January 2019

Course length: 8 to 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.

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

* May 2019 Foundation Certificate start leads to an International Year One (IYO) in January 2020, then to degree year two in September 2020. Please note that you will need to choose an IYO progression degree in order to take this option.

I CORE MODULES

All students on this Foundation Certificate will take:

Foundation Mathematics

- Basic skills in mathematics

Language for Study 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

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

I PATHWAY MODULES

You'll also study modules in one of the following pathways. Your pathway is determined by your degree subject at UWE Bristol.

I Life Sciences pathway

Fundamentals of Science

- Chemical energy changes
- Gases, liquids and solids
- The periodic table, protons, attractions and repulsions

Biochemistry of Life

- Laboratory skills
- Organic chemistry and biological science

Biological Sciences

- Animal reproduction, metabolism and immunology
- Genetic and cellular principles
- Plant structure and function

I Physical Sciences and Engineering pathway

Applied Mathematics

- Mathematical modelling and reasoning skills

Basic Engineering

- Fluid mechanics, thermodynamics, materials, mechanics, dynamics, engineering design and electronics
- Key engineering principles

Physical Sciences

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

I 3-TERM MATHS AND SCIENCE MODULES

If you're studying the 3-term Maths and Science Foundation Certificate, you'll also take:

Computing Skills for Foundation Certificate

- Essential IT skills including Microsoft Office
- Modern computing topics
- Technology in industry and society

Introduction to Tech Corp

- Creating a business plan for a technology that would benefit the local community
- Developing key teamwork, time management, presentation and leadership skills

Personal Development and Pre-Study Skills

- Advanced skills related to your course
- Personal development skills

Preparatory Mathematics

- Basic mathematical knowledge and skills

DEGREE POSSIBILITIES

This Foundation Certificate can lead to a range of degree subjects at UWE Bristol, including:

- Aerospace Engineering
- Architecture
- Automotive Engineering
- Biology
- Biomedical Science
- Civil Engineering
- Computer Science
- Electronic Engineering
- Environmental Science
- Mechanical Engineering
- Physiotherapy
- Product Design

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:

- Aerospace Engineer
- Architect
- Automotive Engineer
- Biological Scientist
- Biomedical Scientist
- Civil Engineer
- Computer Games Developer
- Computer Scientist
- Electronic Engineer
- Environmental Consultant
- Mechanical Engineer
- Physiotherapist
- Research Scientist

Have any questions?

Contact our team for help:
www.kaplanpathways.study/contact-uwe-bristol

OR