



ONCAMPUS
Cambridge Education Group

Undergraduate Foundation Programme Life Sciences

Programme details

Who is this programme designed for?

This programme is designed to prepare international students, who have completed senior secondary education, for entry to undergraduate studies at one of our partner universities. All students who successfully complete the UFP are guaranteed placement on a suitable programme of undergraduate study. The UFP is set at level 3, which is equivalent to A-level standard in the UK.

How long will I study for?

This programme lasts one academic year (nine months). The year is divided into three terms of seven to eight teaching weeks and one reading week. You will undertake up to 25 hours of classroom-based study per week.

What will I study?

This programme includes English and three academic subject modules. English will be integrated into the teaching of academic subjects, as well as being taught separately if you need additional support to develop your English language.

There are five academic pathways to choose from and you will study the pathway most suited to your chosen progression degree. Academic skills relevant to the specific subject area will be taught to fully prepare you for university study. The pathways are: Business, Economics, Finance and Management, Engineering and Sciences, Humanities, Law and Social Sciences, Life Sciences and Art and Design.

How will I be assessed?

You will be assessed at regular intervals throughout the programme to ensure you are making the progress required to successfully complete the programme. Full assessment of the programme will take place in the final term. Assessment methodologies are aligned to those that will be experienced in the University environment, and include project work, essays, presentations and unseen examinations.



- **Molecular Biology**

Molecular biology is the study of the molecular basis of biological activity and overlaps biology and chemistry. This course aims to develop knowledge and understanding of molecular biology through the key biomolecules involved in building and maintaining cells. It explores some applications of biology from the biochemistry that determines an individual, through how this is expressed and looks at the ways in which biochemistry of DNA and protein synthesis is applied in industry and research. It will enable you to recognise the value of molecular biology in personal life and in society at large and promote its responsible use.

- **Biology and Biochemistry**

Living organisms are complex combinations of molecules, cells and organs all working in concert in order to successfully maintain that organism within its environment and to pass on genetic information to the next generation. By studying the different aspects of biology you will understand how each part of the whole works, how they are all interconnected

and the impact on the whole when one part malfunctions. This module also studies the biochemistry of energy production and the pathways through which the energy is transferred in the biome and ways in which we seek to control the outcomes.

- **Skills for Science**

Progress in the sciences is made through scientific experimentation and interpretation of the results. In order to complete this accurately and safely it is important to understand experimental design and methodology and how to analyse results. This module aims to prepare you for laboratory work, develop your data analysis skills and teach you how to report and critique your findings.

The module will also introduce you to regulation of scientific and medical research and medical ethics. By the end of the course you should be able to draw conclusions from data, organise facts and figures in a logical way, test hypotheses in logical ways to find answers, and see how a larger situation can be affected by smaller activities.

Sample timetable

	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5
Mon	EAP and English test prep	EAP and English test prep		Lunch	Subject 2	Subject 2		Personal tutorial
Tues		Subject 1	Subject 1	Lunch	EAP and English test prep	EAP and English test prep		
Wed	Skills for ...	EAP and English test prep	EAP and English test prep	Lunch	Subject 2	Subject 2		
Thur		Subject 1	Subject 1	Lunch	EAP and English test prep	EAP and English test prep		Skills for ...
Fri	Subject 2	Subject 2	Skills for ...	Lunch	Subject 1	Subject 1	EAP and English test prep	EAP and English test prep



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