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Astrophoria Foundation Year - Engineering with Foundation Year Course Information Sheet

The Astrophoria Foundation Year is free for students and is designed to be a one-year intensive academic course which will bridge any gaps between school and our academically challenging undergraduate courses.

The programme is carefully designed to build and develop your study skills, subject knowledge and academic confidence. Students that pass the course will be awarded a nationally recognised Certificate in Higher Education (CertHE) qualification.

If you pass the course at the required level, you will be automatically admitted into Oxford as an undergraduate student if you wish to be, without the need to re-apply.

Students who have applied for Engineering with Foundation Year at the University of Oxford take part in the Foundation Year Chemistry, Engineering and Materials Science (CEMS) course. Students who pass their foundation year at the required level then progress onto the undergraduate course in [Engineering Science](#). For more information about the undergraduate part of your course please see the appropriate [course information sheet](#).

The CEMS course is designed to give you a solid grounding in key areas, with particular focus on the assimilation of the underlying concepts in these topics so that they can be effectively applied to solve real-world problems.

You will follow a subject specific pathway taking modules relevant to the subject you aim to study at undergraduate level, alongside essential maths modules. You will develop subject specific problem-solving skills and undertake an independent mini project.

Alongside your academic subject programme, you will take the Preparation for Undergraduate Studies course. This will help you develop the core skills that will enable you to thrive on a course at undergraduate level, whether at Oxford or another university.

These modules will provide support in building general academic skills including:

- Academic writing
- Communication skills to support verbal discussion
- Broader personal development through a society and culture course and academic mentoring

Please note this Course Information Sheet refers only to the Foundation Year section of your course, for more information about the undergraduate section of your course please see the appropriate [course information sheet](#).

Typical week

During your foundation year you will be expected to attend around five hours of classes per week, participate in regular meetings with tutors to discuss work, carry out independent research and participate in laboratory work.

Your time will be spent both on academic work for your CEMS programme and work related to the Preparation for Undergraduate Studies course.

In each term you will select modules which will lead to your degree pathway. In your final term you will complete a mini project on a subject related topic of your choice, deepening your subject interest and building your skills in independent study.

Tutorials are usually for around two students and a tutor. Classes and laboratory sessions are slightly bigger, they may vary depending on the modules that you choose. There are likely to be around four students in a class or laboratory session, however when the whole CEMS cohort is together, this may include up to 12 students.

Lectures are a larger format again, and are likely to be delivered to the foundation year cohort (up to 50 students) as a whole.

Most tutorials, classes, and lectures are delivered by staff who are tutors in their subject. Some teaching may also be delivered by postgraduate students.

To find out more about how Oxford's teaching year is structured, visit our [Academic Year](#) page.

Foundation Year course structure

Term 1

Courses	Assessment
<ul style="list-style-type: none"> • Introduction for practical based science: measurement and error analysis • Maths for physical sciences 1 • Physics, mechanics and optics • Physics, mechanics in rotation <p>All students have the option to learn a language if they wish to.</p>	Examinations: Written papers

Term 2

Courses	Assessment
<ul style="list-style-type: none"> • Maths for physical sciences 2 • Physics, magnetism, electricity with DC circuits and waves • Physics, electricity with AC circuits and thermodynamics <p>All students have the option to learn a language if they wish to.</p>	Examinations: Written papers

Term 3

Courses	Assessment
Two courses are taken: <ul style="list-style-type: none">• Subject specific problem solving• Mini project	Examination: Written papers Coursework: Mini project <ul style="list-style-type: none">• Written project of 15-20 pages• Presentation on the project

Fees

Astrophoria Foundation Year students do not have any course fees to pay during your Foundation Year in 2023/24 as these will be covered through the University.

If you continue to study at Oxford by progressing to a degree course you will need to pay the course fees. Visit your course pages or the [fees and funding webpages](#) for more information about undergraduate fees and funding.

The bursary will mean that you do not need to take out student finance for the Foundation Year, but if you do continue to an undergraduate degree course you may need to apply for student finance.

Living costs

As part of the Astrophoria Foundation Year programme your college will provide you with term-time accommodation free of charge. You will also receive a non-repayable bursary of at least £5,000 in 2023/24 towards your other living costs.

If you continue to study at Oxford by progressing to a degree course you will need to cover your living costs, most UK students will do this by taking out student loans. Visit your course pages or the [fees and funding webpages](#) for more information about undergraduate fees and funding.

The bursary will mean that you do not need to take out student finance for the Foundation Year, but if you do continue to an undergraduate degree course we will support you to apply for student finance.

Living costs for the academic year starting in 2023 are estimated to be between £575 and £980 for each month you are in Oxford. Our academic year is made up of three eight-week terms, so you would not usually need to be in Oxford for much more than six months of the year but may wish to budget over a nine-month period to ensure you also have sufficient funds during the holidays to meet essential costs.

Living costs breakdown

	Per month		Total for 9 months	
	Lower range	Upper range	Lower range	Upper range
Accommodation (including utilities)	Provided free of charge for the foundation year.			
Food	£300	£470	£2,700 ¹	£4,230
Personal items	£180	£305	£1,620	£2,745
Social activities	£40	£90	£360	£810
Study costs	£35	£80	£315	£720
Other	£20	£35	£180	£315
Total	£575	£980	£5,175	£8,820

Additional fees and charges

There are no compulsory costs as part of the Foundation Year CEMS course. Visit the course page for [Engineering Science](#) to see more details about any fees and charges related to the undergraduate course.

¹ Please note, this figure is likely to be lower for Foundation Year students as some of your food is likely to be covered in your accommodation, which is paid for by the programme.