Engineering Science Information Sheet for entry in 2019

Engineering Science encompasses a vast range of subjects, from microelectronics to offshore oil platforms, and involves the application of creative reasoning, science, mathematics (and of course experience and common sense) to real problems.

The Department of Engineering Science at Oxford has a top-level quality assessment rating for teaching, and a world-class reputation for research. Because we believe that future engineering innovation will benefit from broad foundations as well as specialised knowledge, teaching is based on a unified course in Engineering Science, which integrates study of the subject across the traditional boundaries of engineering disciplines. Links between topics in apparently diverse fields of engineering provide well-structured fundamental understanding, and can be exploited to give efficient teaching.

The Engineering Science programme is a four-year course, leading to the degree of Master of Engineering. The first two years are devoted to topics which we believe all Engineering undergraduates should study. In the third and fourth years there is scope for specialisation into one of six branches of engineering: Biomedical, Chemical, Civil, Electrical, Information and Mechanical. Decisions about which of these will be your specialisation can be deferred until the third year. In the fourth year there may be opportunities to study abroad.

The course is accredited every four years by the major engineering institutions in respect of the initial requirements for the designation of chartered engineer.

Industrial experience is an extremely important adjunct to an academic engineering education, and undergraduates are strongly encouraged to obtain it. One way to do so is by being sponsored. Further information is generally available through your careers teacher, or from the engineering institutions.

If your sponsoring company wants you to spend a year with them before university, you will be asked to declare this at your interview and in your UCAS application.

A typical week

As a guide, in an average week you will have approximately ten lectures and two college tutorials or classes. In some weeks in the first two years you will also have up to five hours of practical work.

Class and tutorial group sizes are designed to allow students to discuss the contents of specific lectures with a tutor and their peers. In the first two years tutorials are delivered in colleges, typically in groups of 2-4 students. In the third year the department organises tutorials for groups of up to 4 students. In the final year class sizes vary, but there are no more than 15 students per class.

Lectures are delivered by the academic staff of the department, who are experts in their areas of research and typically have years of teaching experience. Tutorials and classes are delivered by a tutor, who might be a member of the academic staff, a postgraduate student – studying at doctorate level – or a postdoctoral research assistant within the department. Practical laboratory sessions are supervised by experienced academics and technical staff.

To find out more about how our teaching year is structured, visit our Academic Year page.

Course structure

1st year	
Courses • Mathematics • Electrical and information engineering • Structures and mechanics • Energy and the environment • Engineering practical work	**Assessment** First University examinations: Four written papers; Assessment of Engineering practical work
2nd year	
Courses • Mathematics • Electrical and information engineering • Structures, materials and dynamics • Energy systems • Engineering practical work	**Assessment** Final University examinations, Part A: Four written papers; Assessment of Engineering practical work
3rd year	
Courses • Five optional Engineering courses • Engineering in society • Engineering computation • Engineering practical work • Group design project	**Assessment** Final University examinations, Part B: Six written papers; Assessment of Engineering practical work; Project reports (Engineering Computation and Design Project)
4th year	
Research A major project, plus six specialist courses chosen from within the areas of: • Biomedical engineering • Chemical engineering • Civil engineering • Electrical engineering • Engineering mathematics • Information engineering • Mechanical engineering • Production engineering *The options listed above are illustrative and may change. More information about current options is available on the Engineering Science website.*	**Assessment** Final University examinations, Part C: Six written papers; Project report

The University will seek to deliver each course in accordance with the descriptions set out above. However, there may be situations in which it is desirable or necessary for the University to make changes in course provision, either before or after registration. For further information, please see the University's Terms and Conditions.

Fees
These annual fees are for full-time students who begin this undergraduate course here in 2019.

Fee status	Annual Course fees
Home/EU	£9,250
Islands (Channel Islands & Isle of Man)	£9,250
Overseas	£34,678

Information about how much fees and other costs may increase is set out in the University's Terms and Conditions.

Additional Fees and Charges Information for Engineering Science
There are no compulsory costs for this course beyond the fees shown above and your living costs.

Living costs
Your living costs will vary significantly dependent on your lifestyle. These are estimated to be between £1,058 and £1,643 per month in 2019-20. Each year of an undergraduate course usually consists of three terms of eight weeks each but you may need to be in Oxford for longer. As a guide you may wish to budget over a nine-month period to ensure you also have sufficient funds during the holidays to meet essential costs.

	Per month		**Total for 9 months**	
	Lower range	Upper range	Lower range	Upper range
Food	£265	£371	£2,387	£3,342
Accommodation (including utilities)	£566	£739	£5,093	£6,655
Personal items	£122	£271	£1,098	£2,435
Social activities	£42	£126	£380	£1,138
Study costs	£40	£88	£359	£788
Other	£23	£48	£208	£432
Total	**£1,058**	**£1,643**	**£9,525**	**£14,790**

In order to provide these likely living costs, the University and the Oxford University Students' Union conducted a living costs survey to complement existing student expenditure data from a variety of sources including the UK government's Student Income and Expenditure Survey and the National Union of Students (NUS). The likely lower and upper ranges above are based on a single student with no dependants living in college accommodation (including utility bills) and are provided for information only. When planning your finances for future years of study at Oxford beyond 2019-20, you should allow for an estimated increase in living expenses of 3% each year.