

Course Information Sheet for entry in 2022-23: Future Propulsion and Power (EPSRC CDT)



About the course

The DPhil offered by this EPSRC funded Centre for Doctoral Training (CDT) in Future Propulsion and Power provides graduates with the opportunity to develop in-depth knowledge, understanding and expertise in aircraft propulsion and gas turbines. This is a joint programme between the Universities of Cambridge, Oxford and Loughborough, together with leading engine manufacturers and partners in the field.

In the first year, all students study for a master's degree in Future Propulsion and Power at the University of Cambridge. In years two to four, Oxford's students will undertake industrially-focused projects at the Oxford Thermofluids Institute – also known as Osney Laboratory - in the Department of Engineering Science.

Year one is oriented towards developing your knowledge base. Along with CDT students from Cambridge and Loughborough, you will register and study for an MRes degree in Future Propulsion and Power at the University of Cambridge. The course involves taught lectures and laboratory modules, along with several mini projects of two to three weeks each undertaken at the three partner universities and at some of the sites of the industrial partners. These are precursors to your DPhil study, to hone your research skills and shape your main research area. You will meet your supervisor regularly to assess progress and discuss academic issues.

Years two to four see an increasing emphasis on individual research. Oxford's students register for the degree of DPhil and carry out a research project at the Oxford Thermofluids Institute, an internationally-recognised centre for research in Gas Turbine Heat Transfer and Aerodynamics, and part of Oxford's Department of Engineering Science. You will benefit from the network of leading experts in the field, and develop a portfolio of academic, laboratory and career-oriented skills. Throughout of the research project, close interaction with an industrial partner is expected. In addition, the full cohort meets regularly for CDT seminars and workshop events.

Supervision

The allocation of graduate supervision for this course is the responsibility of the Department of Engineering Science, in conjunction with the University of Cambridge, and it is not always possible to accommodate the preferences of incoming graduate students to work with a particular member of staff. Under exceptional circumstances a supervisor may be found outside the Department of Engineering Science.

You will join your supervisor's research group which normally has post-doctoral researchers and other research students working on broadly similar research themes. Typically you would interact daily with members of the group and have weekly contact with your supervisor. Many groups have weekly meetings where members discuss their research or perhaps present other published work.

Assessment

You will be assessed continually throughout the first year at Cambridge during courses and projects, and will be formally examined in your MRes programme. At the end of your second year in Oxford, you will be required to write a report and give a presentation on your research, and to present a detailed and coherent plan for the research-intensive phase in the third and fourth years of your doctoral studies. Progress towards completion is again formally assessed some way into the final year of study.

For the DPhil, you will be required to submit a substantial thesis that will be read and examined by experts in the field, one from the Department and one from elsewhere. Often the thesis will result in the publication of several journal and conference papers.

Changes to courses

The University will seek to deliver this course in accordance with the description 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. These may include significant changes made necessary by a pandemic (including Covid-19), epidemic or local health emergency. For further information, please see the University's Terms and Conditions (<http://www.graduate.ox.ac.uk/terms>) and our page on changes to courses (<http://www.graduate.ox.ac.uk/coursechanges>).

Expected length of course

	Full Time Only
Expected length	4 years

Costs

Annual fees for entry in 2022-23

Students admitted by the University of Oxford are enrolled on the MRes in Future Propulsion and Power at the University of Cambridge for their first academic year. During that year you will be liable for fees at the University of Cambridge and will be charged fees by that University at their fee rates.

Subject to meeting the progression criteria, you will then be enrolled by the University of Oxford and will be liable for a further 9 terms of course fees at the University. During each subsequent year, you will be charged course fees at Oxford's fee rate for that year of study. For an indication of costs, the table below shows the estimated annual course fees for the second academic year of this course.

Estimated annual fees for the 2023-24 academic year at Oxford

Fee status	Estimated annual course fees
Home	c. £8,970
Overseas	c. £29,700

Further details about fee status eligibility can be found on the fee status webpage (<http://www.graduate.ox.ac.uk/feestatus>).

Course fees are payable each year, for the duration of your fee liability (your fee liability is the length of time for which you are required to pay course fees). For courses lasting longer than one year, please be aware that fees will usually increase annually. Information about how much fees and other costs may increase is set out in the University's Terms and Conditions (<http://www.graduate.ox.ac.uk/terms>).

Course fees cover your teaching as well as other academic services and facilities provided to support your studies. Unless specified in the additional cost information (below), course fees do not cover your accommodation, residential costs or other living costs. They also don't cover any additional costs and charges that are outlined in the additional cost information.

Graduate students who have reached the end of their standard period of fee liability may be required to pay a termly University and/or a college continuation charge.

The University continuation charge, per term for entry in 2022-23 is £548, please be aware that this will increase annually. For part-time students, the termly charge will be half of the termly rate payable by full-time students.

If a college continuation charge applies (not applicable for non-matriculated courses) it is likely to be in the region of £100 to £600 per term. Please contact your college for more details.

Additional cost information

There are no compulsory elements of this course that entail additional costs beyond fees (or, after fee liability ends, continuation charges) and living costs. However, please note that, depending on your choice of research topic and the research required to complete it, you may incur additional expenses, such as travel expenses, research expenses, and field trips. You will need to meet these additional costs, although you may be able to apply for small grants from your department and/or college to help you cover some of these expenses.

Living costs

In addition to your course fees, you will need to ensure that you have adequate funds to support your living costs for the duration of your course.

The likely living costs for 2022-23 are published below. These costs are based on a single, full-time graduate student, with no dependants, living in Oxford. We provide the cost per month so you can multiply up by the number of months you expect to live in Oxford.

Likely living costs

	Likely living costs for 1 month		Likely living costs for 9 months		Likely living costs for 12 months	
	Lower range	Upper range	Lower range	Upper range	Lower range	Upper range
Food	£290	£410	£2,610	£3,690	£3,480	£4,920
Accommodation	£680	£810	£6,120	£7,290	£8,160	£9,720
Personal items	£135	£260	£1,215	£2,340	£1,620	£3,120
Social activities	£45	£120	£405	£1,080	£540	£1,440
Study costs	£45	£100	£405	£900	£540	£1,200
Other	£20	£55	£180	£495	£240	£660
Total	£1,215	£1,755	£10,935	£15,795	£14,580	£21,060

When planning your finances for any future years of study at Oxford beyond 2022-23, you should allow for an estimated increase in living expenses of 3% each year.

More information about how these figures have been calculated is available at www.graduate.ox.ac.uk/livingcosts.

Document accessibility

If you require an accessible version of the document please contact Graduate Admissions and Recruitment by email (graduate.admissions@admin.ox.ac.uk) or via the online form (<http://www.graduate.ox.ac.uk/ask>).

Please consult the University of Cambridge website for further information about living costs while studying at that institution.