

Course Information Sheet for entry in 2016-17

Gas Turbine Aerodynamics (EPSRC Centre for Doctoral Training)



About the course

The DPhil offered by this EPSRC funded Centre for Doctoral Training in Gas Turbine Aerodynamics provides graduates with the opportunity to develop in-depth knowledge, understanding and expertise in this industrially key area. This is a joint programme between the Universities of Cambridge, Oxford and Loughborough, together with leading industrial partners in the field. In year one, all students study for a master's degree in Gas Turbine Aerodynamics at the University of Cambridge. In years two to four, Oxford's students will undertake industrially-focussed projects at the Southwell (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 Gas Turbine Aerodynamics 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 Osney Thermofluids laboratory, 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 is regularly reunited for CDT seminars and workshop events.

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 which is 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 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.

Expected length of course

4 years

Annual fees for entry in 2016-17

During the first year of the course you will be charged fees by the University of Cambridge. Further information about [fee rates](#) can be found on the institution's website.

In each subsequent year of study at the University of Oxford, you will be charged tuition and college fees at Oxford's fee rate for that year of study. For an indication of costs, the table below shows the estimated annual tuition and college fees for the 2017-18 academic year at the University of Oxford. Please be aware that these fees will increase annually.

Estimated annual fees for the 2017-18 academic year at the University of Oxford

Fee Status	Tuition fee	College fee	Total annual fees
Home/EU (including islands)	c. £4,370	c. £3,050	c. £7,420
Overseas	c. £19,525	c. £3,050	c. £22,575

Tuition and college fees are payable for the duration of your fee liability (your fee liability is the length of time for which you are required to pay tuition and college fees). Fees will usually increase annually. For details, please see our guidance on likely increases to fees and charges.

Following the period of fee liability, you may also be required to pay a University continuation charge and a college continuation charge. The University and college continuation charges are shown on the Continuation charges page.

Students admitted by the University of Oxford are enrolled on the MRes in Gas Turbine Aerodynamics at the University of Cambridge for one academic year and are liable for fees at that University at their fee rates. Subject to meeting the progression criteria, students are then enrolled by the University of Oxford and are liable for a further 9 terms of fees at the University of Oxford.

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

The University continuation charge, per term for entry in 2016/17, is currently £440, 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 to non-matriculated courses) it is likely to be in the region of £100 to £400 per term. Please contact your college for more details.

Additional cost information

There are no compulsory elements of this programme that entail additional costs beyond fees 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 tuition and college fees, you will need to ensure that you have adequate funds to support your living costs for the duration of your course.

Please consult the [University of Cambridge](#) website for further information about living costs while studying at that institution.

For the 2017-18 academic year, the range of likely living costs is estimated to be between £989 and £1462 for each month spent in Oxford. Further information, including a breakdown of likely living costs in Oxford for the 2016-17 academic year, is available on our [Living costs](#) page.

26 October 2015