

Course Information Sheet for entry in 2016-17

Theory and Modelling in Chemical Sciences (EPSRC Centre for Doctoral Training)



About the course

The three primary activities in theoretical and computational chemistry are the development of new theory, implementation of methods as reliable software, and application of such methods to a host of challenges in chemical and related sciences. The aim of this programme is to train new research students to deliver all these outcomes.

The first year is a set of training modules leading to an MSc, followed by a transfer to the DPhil or PhD programme for successful students in one of the participating universities (Oxford, Bristol and Southampton) or the candidate's home university as appropriate.

In the first year you will study eight compulsory core courses:

Quantum Mechanics

Statistical Mechanics

Mathematics 1

Statistics

Computer Programming and Numerical Methods

Methods of Computer Simulation

Electronic Structure Theory

Software Development Training.

You will also select five optional courses from a choice of:

Applied Computational Chemistry

Biomolecular Simulation

Mathematics 2

Quantum Mechanics in Condensed Phases

Intermolecular Potentials

Chemical Informatics

Chemical Reaction Dynamics

Advanced Statistical Mechanics

Advanced Quantum Mechanics.

In addition, you will also be required to undertake two six-week projects, one at Oxford and one at either Bristol or Southampton University, and each project will be assessed based on a report that you will write.

The compulsory and optional courses are assessed in various ways detailed on the course website. If you are successful in the first-year assessments, you will be awarded an MSc, and you may transition to the DPhil or PhD in one of the three participating institutions. A termly report is submitted by your supervisor throughout the course. After seven terms you must pass Transfer of Status, which is to ensure that you do have the potential to gain a doctorate.

Research proceeds with termly reporting throughout the next two years, and there is the opportunity to follow further courses during this period. By the end of the third year you must pass Confirmation of Status, which is to ensure that you are on track to complete the thesis within a reasonable time.

The MSc degree is examined by assessment of set work of each of the modules offered and of the two six-week projects. A board of examiners will be appointed by the University. The DPhil degree is examined by thesis and oral examination by two examiners, one of whom is normally from Oxford and one from elsewhere.

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 2016-2017

Fee Status	Tuition fee	College fee	Total annual fees
Home/EU (including islands)	c. £4,200	£2,933	c. £7,133
Overseas	£18,770	£2,933	£21,703

The fees shown above are the annual tuition and college fees for this course for entry in the 2016-17 academic year; for courses lasting longer than one year, please be aware that fees will usually increase annually. For details, please see our guidance on likely increases to fees and charges.

Tuition and college 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 tuition and college fees).

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 is a compulsory contribution of £3,000, consisting of £2,000 towards the cost of travel and accommodation associated with project work in year 1, and a further £1,000 towards training and conferences outside Oxford. If you are funded by EPSRC or one of the industrial partners in the CDT, your funding package will cover this cost.

Living costs

In addition to your 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 2016-17 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 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	£265	£298	£2,384	£2,673	£3,177	£3,565
Accommodation	£469	£667	£4,221	£6,002	£5,627	£8,006
Personal items	£119	£244	£1,073	£2,187	£1,429	£2,915
Social activities	£60	£107	£539	£960	£718	£1,280
Study costs	£36	£73	£314	£661	£418	£880
Other	£19	£44	£197	£410	£265	£547
Total	£970	£1,433	£8,727	£12,894	£11,636	£17,191

When planning your finances for any future years of study in Oxford beyond 2016-17, you should allow for an estimated increase in living expenses of 2% each year.

More information about how these figures have been calculated is available at www.ox.ac.uk/admissions/graduate/fees-and-funding/living-costs.

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