

## Course Information Sheet for entry in 2017-18

### MSc in Theoretical and Computational Chemistry (Stand-Alone)

#### About the course

The three primary activities in theoretical and computational chemistry are 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 MSc aims to train new research students to be able to deliver these outcomes.

The MSc consists of a set of training modules and a short project. The eight compulsory core modules are as follows:

- 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 modules from the following for assessment:

- 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

You will also be required to undertake a six-week project, with an allocated supervisor, for which you must submit a project report for assessment.

Students on the MSc in Theoretical and Computational Chemistry (Stand-Alone) are taught alongside the first-year Theory and Modelling in Chemical Sciences (EPSRC Centre for Doctoral Training) cohort.

#### 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



10 months

**Annual fees for entry in 2017-2018**

Fee Status	Tuition fee	College fee	Total annual fees
Home/EU (including islands)	£6,085	£3,021	£9,106
Overseas	£19,335	£3,021	£22,356

The fees shown above are the annual tuition and college fees for this course for entry in the stated academic year; 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.

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).

**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 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 2017-18 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
<b>Food</b>	£250	£350	£2,250	£3,150	£3,000	£4,000
<b>Accommodation</b>	£538	£619	£4,844	£5,569	£6,459	£7,425
<b>Personal items</b>	£115	£255	£1,035	£2,295	£1,380	£3,060
<b>Social activities</b>	£40	£119	£358	£1,073	£477	£1,431
<b>Study costs</b>	£38	£83	£338	£743	£451	£991
<b>Other</b>	£22	£45	£196	£407	£261	£543
<b>Total</b>	£1,002	£1,471	£9,021	£13,237	£12,028	£17,649

When planning your finances for any future years of study in Oxford beyond 2017-18, 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](http://www.ox.ac.uk/admissions/graduate/fees-and-funding/living-costs).

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