



## Course Information Sheet for entry in 2018-19

### MSc in Mathematical Sciences

#### About the course

The MSc in Mathematical Sciences, known as the Oxford Master's in Mathematical Sciences (OMMS), provides a broad and flexible training in mathematical sciences, essential for research and innovation in the 21st century.

The MSc in Mathematical Sciences spans interdisciplinary applications of mathematics as well as recognizing fundamental questions and themes. Oxford has a world-class reputation in the mathematical sciences, and this master's offers students the opportunity to work with an international group of peers, including other mathematical leaders of the future.

This course draws on subjects in mathematics, statistics and computer science: from number theory, geometry and algebra to genetics and cryptography; from probability and mathematical geoscience to data mining and machine learning. You have the opportunity to choose from many different pathways, tailoring the programme to your individual interests and requirements. Examples of pathways include:

- research in fundamental mathematics
- data science
- interdisciplinary research in fluid and solid mechanics
- mathematical biology
- industrially focused mathematical modelling
- (stochastic) partial differential equations.

You will attend at least six units worth of courses (with one unit corresponding to a 16-hour lecture course supported by classes) in addition to writing a dissertation (worth two units). You will be encouraged to work collaboratively in classes, to develop your understanding of the material. Those wishing to extend themselves further might take one or two additional courses.

The master's offers a substantial opportunity for independent study and research in the form of a dissertation. The dissertation is undertaken under the guidance of a supervisor and will typically involve investigating and writing in a particular area of mathematical sciences, without the requirement (while not excluding the possibility) of obtaining original results. A dissertation gives students the opportunity to develop broader transferable skills in the processes of organizing, communicating, and presenting their work, and will equip students well for further research or for a wide variety of other careers.

The Mathematical Institute is proud to have received an Athena SWAN silver award in 2017, reflecting its commitment to promoting diversity and to creating a working environment in which students and staff alike can achieve their full potential. The Department of Statistics is currently applying for a silver award. The departments offer extensive support to students, from regular skills training and career development sessions to a variety of social events in a welcoming and inclusive atmosphere.

This course runs from the beginning of October through to the end of June. Performance on the master's is assessed by invigilated written examinations and mini projects, and by the dissertation.

Please note that this course is not suitable for students whose primary focus is on mathematical finance. These students should apply to the MSc in Mathematical and Computational Finance.

#### 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. For further information, please see the University's Terms and Conditions.

#### Expected length of course

9 months

## Costs

### Annual fees for entry in 2018-19

Fee status	Tuition fee	College fee	Total annual fees
Home/EU (including Islands)	£6,270	£3,112	£9,382
Overseas	£19,915	£3,112	£23,027

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).

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 2018-19 is £468, 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 £400 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 and living costs. However, as part of your course requirements, you may need to choose a dissertation, a project or a thesis topic. Please note that, depending on your choice of topic and the research required to complete it, you may incur additional expenses, such as travel or research expenses. 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.

The likely living costs for 2018-19 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>	£258	£361	£2,318	£3,245	£3,090	£4,326
<b>Accommodation</b>	£536	£677	£4,824	£6,093	£6,432	£8,124
<b>Personal items</b>	£118	£263	£1,066	£2,364	£1,421	£3,152
<b>Social activities</b>	£41	£123	£369	£1,105	£492	£1,474
<b>Study costs</b>	£39	£85	£348	£765	£464	£1,020
<b>Other</b>	£22	£47	£202	£419	£269	£559
<b>Total</b>	£1,014	£1,556	£9,127	£13,991	£12,168	£18,655

When planning your finances for any future years of study at Oxford beyond 2018-19, 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](http://www.graduate.ox.ac.uk/livingcosts).