Course Information Sheet for entry in 2017-18

MSc in Nanotechnology for Medicine and Health Care

About the course

The University of Oxford Institute of Biomedical Engineering (Department of Engineering Science) and the Department for Continuing Education, in collaboration with Begbroke Science Park, offer the part-time MSc in Nanotechnology for Medicine and Health Care.

This advanced modular course is delivered by leading scientists and experts in this rapidly developing field and has been specifically designed for those who would value a part-time modular learning structure, for example those in full-time employment.

Nanomedicine is at the forefront of modern healthcare. Nanoparticles offer a new platform for drug delivery that can extend the "patent life" of drugs, but also greatly increase the targeting and effectiveness of therapy. They can also enhance most of the medical imaging modalities, and in some cases offer a combined diagnostic and therapy, now called "theranostics".

By 2013 over 200 unique nanomedicine products were approved or under clinical testing and over 750 clinical trials were underway. Nanotechnology is providing the basis for many of the new regenerative medicine approaches that are based on artificial scaffold structures and it offers solutions for many of the new generation of point-of-care biosensors and some of the advanced gene sequencing instrumentation. There are already early indications of improved healthcare outcomes, and the creation of new business and industry.

The University of Oxford Institute of Biomedical Engineering (IBME), an Institute within the Department for Engineering Science, is a world-class interdisciplinary centre for biomedical engineering research, where engineers and clinicians collaborate to address unmet needs in the prevention, early diagnosis and treatment of major diseases and conditions. The Institute's core research missions are to develop novel medical devices, technology and systems capable of delivering substantial healthcare benefit, and to translate new engineering technologies into clinical practice.

The MSc in Nanotechnology for Medicine and Health Care draws on the world-class research and teaching in nanotechnology and nanomedicine at the University of Oxford and aims to provide you with the necessary training to enable you to understand the principles of nanotechnology and its application in medical research and clinical practice.

The programme will appeal to professionals working in the commercial or healthcare sectors who develop or use nanotechnology in their work, including:

- biomedical engineers
- materials scientists
- biotech-entrepreneurs
- medical practitioners and dentists
- chemists and pharmacists
- electrical engineers
- project managers in related industries
- patent agents and patent lawyers
- legislators

- clinical research fellows, graduates and other researchers in a related area of science.

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

2 to 4 years

Fees for the 2017-18 academic year

The fees for this course are charged on a modular basis. You will pay an annual course fee and an additional fee for each module studied. A minimum of two annual course fees are payable for this course. If this course includes a dissertation, three module fees will be charged for the dissertation.

Fee Status	**Annual course fee**	**Fee per module**	**Total estimated fees**
Home/EU (including Islands)	£3,825	£1,795	Please see the department's website for further details (https://www.conted.ox.ac.uk/about/msc-in-nanotechnology-for-medicine-and-health-care)
Overseas	£3,825	£1,795	

The fees shown above include college fees, except that students transferring to this course from the PGCert in Nanotechnology should normally expect to pay a separate college fee. Further details can be found on the department's website (https://www.conted.ox.ac.uk/about/msc-in-nanotechnology-for-medicine-and-health-care). 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.

Additional cost information

Please note that this course requires that you attend in Oxford for teaching, and you may incur additional travel and accommodation expenses for this. Further, as part of your course requirements, you may need to choose a dissertation, a project or a thesis topic. Depending on your choice of 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
Food	£250	£350	£2,250	£3,150	£3,000	£4,000
Accommodation	£538	£619	£4,844	£5,569	£6,459	£7,425
Personal items	£115	£255	£1,035	£2,295	£1,380	£3,060
Social activities	£40	£119	£358	£1,073	£477	£1,431
Study costs	£38	£83	£338	£743	£451	£991
Other	£22	£45	£196	£407	£261	£543
Total	£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.

31 October 2016