The MSc in Surgical and Interventional Sciences has the approval of the Royal Colleges of Surgery. The MSc is designed for surgical trainees to improve their level of scientific appreciation by exposing them to scientific principles and methods. The programme is suitable for both surgical and dental trainees and is primarily intended to provide scientific research experience prior to or as part of the surgical training programme.

**Degree summary**

Students gain skills in the verbal and written communication of science, together with an in-depth understanding of science-based subjects of clinical relevance. Students also undertake an in-depth scientific research project (50% of final mark) and gain an appreciation of scientific research which further trains them to appraise the current scientific literature/evidence and experimental design, practice and analysis.

- The Division of Surgery & Interventional Science is part of one of the most prestigious medical schools in Europe, with a team of nearly 400 people, from surgeons and oncologists to clinical trials specialists and researchers. Our aim is to understand the causes of human disease and develop innovative therapies and technology to improve the quality of life of the people around us.
- The UCL Medical School has highly rated science expertise within its academic and clinical departments thus guaranteeing an excellent research environment.
- Students have the advantages of studying in a multi-faculty university with a long tradition of excellence, situated at the heart of one of the world’s greatest cities.

The programme is delivered through a combination of lectures, seminars, workshops and tutorials. Student performance is assessed through unseen written examination papers, written reports, oral presentations, written coursework and oral examinations, and a dissertation and oral examination for the research project.

**Degree structure**

Mode: Full-time: 1 year; Part-time: 2 years; Flexible: up to 5 years
Location: London, Hampstead (Royal Free Hospital)

Students undertake modules to the value of 180 credits. The programme consists of a research project (90 credits), three core modules (45 credits) and three optional modules (45 credits).

Please note that the list of modules given here is indicative. This information is published a long time in advance of enrolment and module content and availability is subject to change.

### COMPULSORY MODULES
- Advanced Surgical Skills (Microsurgery)
- Advanced Surgical Skills (Robotics)
- Research Methodology and Transferable Skills (Part I)

### OPTIONAL MODULES
Students choose three of the following optional modules:
- Surgical Oncology
- Applied Tissue Engineering
- Transplantation Science
- Biomaterials in Tissue Regeneration: Micro and Nanoscale Surface Structuring
- Clinical Experience in Musculoskeletal Surgery
- Performing Systematic Reviews of Interventions (Part I)
- Performing Systematic Reviews of Interventions (Part II)
- Musculoskeletal Biology (Part I)
- Musculoskeletal Biology (Part II)
- Musculoskeletal Biomechanics and Biomaterials (Part I)
- Musculoskeletal Biomechanics and Biomaterials (Part II)
- Nanotechnology
- Research Methodology and Transferable Skills (Part II)
- Translation of Nanotechnology and Regenerative Medicine (Bench to Bedside)

### DISSERTATION/REPORT
- All students undertake an independent research project on a subject of relevance to their clinical interests which culminates in a dissertation of 15-18k words and contributes 50% of the final mark. We encourage students to submit their work for presentation at conferences and for publication.
Recent graduates have become junior surgeons in surgical training while the majority of experienced graduates have become consultants in specialist surgical fields, generally throughout the UK and abroad.
Entry requirements

A medical qualification from a UK university or an overseas qualification of equivalent standard. Applicants may have clinical experience, but this is not essential.

English language proficiency level

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: Standard.

Information about the evidence required, acceptable qualifications and test providers is provided at:
www.ucl.ac.uk/graduate/english-requirements

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

// why you want to study Surgical and Interventional Sciences at graduate level
// why you want to study Surgical and Interventional Sciences at UCL
// what particularly attracts you to this programme
// how your academic and professional background meets the demands of this programme
// where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

There is an application processing fee for this programme of £75 for online applications and £100 for paper applications. Further information can be found at:
www.ucl.ac.uk/prospective-students/graduate/taught/application.

FEES AND FUNDING 2019/20 ENTRY

// UK: £15,220 (FT), £7,780 (PT)
// EU: £15,220 (FT), £7,780 (PT)
// Overseas: £29,220 (FT), £14,610 (PT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Students website.

Fees for flexible, modular study are charged pro-rata to the appropriate full-time Master's fee taken in an academic session.

The possibility of RMO (Resident Medical Officer) or SHO locum positions: In order to qualify you must have full GMC registration and hold current ALS certification.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

APPLICATION DEADLINE

All applicants: 26 July 2019

Details on how to apply are available on the website at:
www.ucl.ac.uk/graduate/apply

CONTACT

Ms Julie Cheek, Teaching Administrator

Email: j.cheek@ucl.ac.uk

Telephone: +44(0)20 7794 0500 x 34980

EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to www.ucl.ac.uk/brexit