This MSc has the approval of the Royal Colleges of Surgery and aims to improve the level of scientific appreciation of surgical trainees 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 in-depth scientific research project (50% of final mark) and 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 within 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 three core modules (45 credits), three optional modules (45 credits), and a research project (90 credits).

**CORE 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:
- Research Methodology and Transferable Skills (Part II)
- Applied Tissue Engineering
- Biomaterials in Tissue Regeneration: Micro and Nanoscale Surface Structuring
- Clinical Experience in Musculoskeletal Surgery
- Experimental Models in Surgical Research
- Heart and Circulation
- Musculoskeletal Biology (Part I)
- Musculoskeletal Biology (Part II)
- Musculoskeletal Biomechanics and Biomaterials (Part I)
- Musculoskeletal Biomechanics and Biomaterials (Part II)
- Nanotechnology
- Pain
- Performing Systematic Reviews of Interventions (Part I)
- Performing Systematic Reviews of Interventions (Part II)

**DISSERTATION/REPORT**
- All students undertake an independent research project on a subject of relevance to their clinical interests which culminates in a dissertation of 13,000 words and contributes 50% of the final mark. We encourage students to submit their work for presentation at conferences and for publication.
First destinations of recent graduates as junior surgeons in surgical training include: Southend Hospital: Surgeon; Bangor Hospital: Doctor; Royal Derby Hospital: Core Surgical Trainee; Royal National Orthopaedic Hospital: Academic Clinical Fellow; King’s College Hospital NHS Trust: Specialist Registrar in Cardiothoracic; Greater Glasgow NHS: Paediatric Surgery Registrar and Training Surgeon. The majority of older graduates have become consultants in specialist surgical fields, e.g. at the Royal Free Hospital, Birmingham, Great Ormond Street, UCLH and 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:

为何你想在研究生水平学习外科及介入性科学
为何你想在UCL学习外科及介入性科学
什么特别吸引你到这个项目
你的学术和职业背景如何满足这个项目的需求
你希望你的学位在职业发展上走向何方

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.

FEES AND FUNDING 2017/18 ENTRY

UK: £14,370 (FT), £7,320 (PT)
EU: £14,370 (FT), £7,320 (PT)
Overseas: £27,540 (FT), £13,770 (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 Current Students website.

RMO (Resident Medical Officer) 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: 1 September 2017

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

CONTACT

Mrs Ruth Williams
Email: ruth.williams@ucl.ac.uk
Telephone: +44 (0)20 7794 0500 ext. 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/eu-referendum

PDF Updated: July 13, 2017
This information is for guidance only. It should not be construed as advice nor relied upon and does not form part of any contract. For more information on UCL’s degree programmes please see the UCL Graduate Prospectus at www.ucl.ac.uk/graduate