The Musculoskeletal Science MSc covers a broad spectrum of musculoskeletal topics, including basic science and clinical aspects. It aims to give students, in a multidisciplinary setting, a holistic view of musculoskeletal science, orthopaedic bioengineering and medicine, and provides an in-depth knowledge of specific areas appropriate to each student’s individual interests.

**Degree summary**

Students on this MSc programme acquire essential scientific knowledge, improve their basic research skills, and are equipped with the ability to solve the musculoskeletal problems emphasised within the NHS framework. The programme emphasises the four major areas as identified by the Bone and Joint Decade - arthritis, osteoporosis, trauma and spinal disorders, and transferrable skills and research methodology in orthopaedic bioengineering.

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, biologists, bioengineers and material scientists and oncologists, to clinical trials specialists and researchers. Our aim is to understand the causes of human musculoskeletal disease and develop innovative therapies and technology to improve the quality of life.

Students on this MSc will gain an unparalleled grounding in musculoskeletal science and orthopaedic bioengineering, including a holistic view of clinical care as well as orthopaedic sciences and bioengineering. The programme is run at the internationally renowned Royal Orthopaedic Hospital in Stanmore.

The programme is delivered through a combination of taught lectures, seminars, tutorials, group project work and workshops. Assessment is through online MCQs, coursework, and the dissertation and viva voce. Candidates are examined in the year in which they complete the programme. The programme will be taught mostly at the Royal National Orthopaedic Hospital in Stanmore, London. Some teaching will also take place in Bloomsbury.

**Degree structure**

Mode: Full-time: 1 year; Flexible: 2-5 years
Location: London, Stanmore

Students undertake modules to the value of 180 credits. The programme consists of eight taught modules (120 credits), and a research project (60 credits). Students will be awarded an MSc on successful completion of all taught modules and research project; a Postgraduate Diploma on successful completion of eight taught modules (all core modules plus any four from options); and a Postgraduate Certificate on successful completion of four taught modules.

A Postgraduate Diploma (120 credits, full-time nine months and flexible study up to five years) is offered.

A Postgraduate Certificate (60 credits, full-time three months and flexible study up to two years) is offered.

**CORE MODULES**
- Clinical Aspects of Musculoskeletal Medicine and Surgery, Part I
- Musculoskeletal Tissue Biology - Form and Function
- Musculoskeletal Biomechanics and Biomaterials, Part I
- Research Methodology and Generic Skills

**OPTIONAL MODULES**
- Up to 60 credits of optional modules (4 modules) drawn from the following:
  - Clinical Aspects of Musculoskeletal Medicine and Surgery, Part II
  - Musculoskeletal Tissue Biology - Disease and Dysfunction
  - Musculoskeletal Biomechanics and Biomaterials, Part II
  - Research Governance
  - Clinical Experience in Musculoskeletal Surgery
  - Surgical Skills in Orthopaedic Surgery

**DISSERTATION/REPORT**
- All MSc students undertake an independent research project that will contribute to cutting-edge scientific, clinical and industrial research, and culminates in a dissertation and oral examination.
Your career

This programme offers students from a wide variety of disciplines the opportunity to gain a higher degree in an exciting and rapidly developing field, and equips them to make a strong contribution to the development of musculoskeletal services. The students can develop their careers in healthcare sector, medical device industry and bio-industry, regenerative medicine, regulatory bodies, as well as academic community.
Entry requirements

A minimum of a second-class medical degree or UK Bachelor's degree in a relevant discipline, or an overseas qualification of an equivalent standard.

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 Musculoskeletal Science at graduate level
// why you want to study Musculoskeletal Science 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.

FEES AND FUNDING 2017/18 ENTRY

// UK: £14,370 (FT)
// EU: £14,370 (FT)
// Overseas: £24,140 (FT)

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.

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

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

Miss Stephanie McColl, Programme Administrator

Email: s.mccoll@ucl.ac.uk

Telephone: +44 (0)208 909 5850

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