

Surgical and Interventional Sciences

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 surgical trainees and is primarily intended to provide scientific research experience prior to or as part of the surgical training programme.

Degree information

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)
- Surgical Oncology
- Translation of Nanotechnology and Regenerative Medicine (Bench to Bedside)
- Translation of Nanotechnology and Regenerative Medicine (Bench to Bedside)

Teaching and learning

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.

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.

Key information

Programme starts

September 2017

Modes and duration

Full time: 1 year

Flexible: up to 5 years

Tuition fees (2017/18)

UK/EU:

£14,370 (FT) £7,320 (PT)

Overseas:

£27,540 (FT) £13,770 (PT)

Application dates

All applicants

Open: 3 October 2016

Close: 28 July 2017