This MS programme is focused, practical-based, highly innovative and "hands-on", mixing the cutting-edge of VR and SoMe with advanced practical training and telementoring in robotics and laparoscopy from some of the world's most renowned expert surgeons. This degree incorporates latest technologies that will place students at the forefront of modern surgical training.

**Degree summary**

Students learn advanced practical skills in minimally-invasive surgery and have the opportunity to improve their laparoscopic and robotic skills. Academic surgeons who are experts in their field and recognised as thought leaders in surgery teach on this programme. You will learn about and develop Virtual and Augmented Reality models at the cutting edge of surgery and be among the only group of students who are specifically taught on the use of SoMe in surgery by some of the pioneers of this movement.

UCL is one of the world's very best universities, consistently placed in the global top 10 in world rankings. It is affiliated with University College Hospital (UCLH) which is recognised as a centre of excellence. The university has highly advanced simulation facilities for surgical training as well as excellent collaborative links with other similarly progressive units throughout the surgical community.

The technology integrated into this programme will allow students to be mentored and assessed by surgeons in Europe and the USA whilst being based at the Bloomsbury Campus, using state-of-the-art telestration equipment.

The module structure will also allow students to work directly with experienced academics and develop projects that will be clinically applicable to their future careers. The international, multidisciplinary academic environment will allow students to directly interact with some of the key opinion leaders in surgery - learning operative skills as well as observing the latest procedures - and tailor their practice to be at the forefront of modern surgery.

The programme is delivered through a combination of lectures, tutorials, workshops, practical sessions, group discussions and distance learning. Assessment is through written examination, coursework, presentation, dissertation and viva voce.

**Degree structure**

Mode: Full-time: 1 year
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The MS consists of six core modules (90 credits), two optional modules (30 credits) and a research dissertation (180 credits).

A Postgraduate Certificate is also available and consists of four core modules (60 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**

- The Concept of Minimally-Invasive Surgery (PG Cert & MS)
- Training Concepts/Models in the Minimally-Invasive Surgery (PG Cert & MS)
- Imaging in Surgery (PG Cert & MS)
- Virtual Reality in Surgery (PG Cert & MS)
- mHealth (MS)
- Leadership in Surgery (MS)

**OPTIONAL MODULES**

- For the MS Award, two optional modules are chosen from the following:
  - Advanced Techniques in Laparoscopy - practical workshops and building training programmes
  - Advanced Training in Robotics – practical workshops and building training programmes
  - Research Methodology
  - mHealth Applications

**DISSERTATION/RESEARCH PROJECT**

- This module gives students the opportunity to undertake an individual supervised design project, which will involve collection of primary data, planning, decision-making and production of either a practical research model for training in MIS and/or a VR software model for use or diagnosis in the field of minimally invasive surgery.
Entry requirements

A recognised medical degree from a UK University or an overseas qualification of equivalent standard. In addition, basic surgical training or equivalent in a surgical specialty e.g. MRCS, MRCOG or overseas equivalent.

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: Good.

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

Your application

When we assess your application we would like to learn:

- why you want to study Advanced Minimally Invasive Surgery at graduate level
- why you want to study Advanced Minimally Invasive Surgery 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)
// EU: £15,220 (FT)
// Overseas: £29,220 (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 Students website.

At present there are no specific scholarships attached to the programme, however we would encourage you to view the departmental website for UCL-wide funding opportunities.

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

APPLICATION DEADLINE

All applicants: 30 August 2019

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

CONTACT

Mr Manish Chand, Programme Lead

Email: m.chand@ucl.ac.uk

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