MEDICAL INNOVATION AND ENTERPRISE MSci / UCAS CODE: B981 2018 ENTRY

www.ucl.ac.uk/prospectus/surgery
Medical Innovation and Enterprise MSci /

This unique MSci utilises world-leading expertise in medicine and business to create medical science leaders of the future who are not only familiar with the latest medical innovations (e.g. regenerative medicine, stem cell therapy, imaging and nanomedicine) but also how to translate these advances into clinical realities. The four-year MSci includes an industrial placement and research project in medical innovations.

Key information

Programme starts
September 2018

Location
London, Hampstead (Royal Free Hospital)

Degree benefits

//  Medical advances are transforming the way we diagnose and treat disease; to translate these opportunities into commercial realities that benefit patients, it is essential to develop medical scientists capable of bridging the gap between medical science, business and enterprise

//  The programme’s emphasis on medical innovations and technology transfer will provide students with broad career prospects.

//  The degree is designed to inspire a spirit of innovation and enterprise; to create doers - capable of both recognising commercial opportunities in medical science innovation and exploiting them.

//  The programme offers the flexibility to join other applied medical science BSc programmes on different aspects of medical science in years two and three (e.g. in sports medicine, nutrition or cancer) or to continue on the Medical Innovation and Enterprise degree.

Degree structure

In each year of your degree you will take a number of individual modules, normally valued at 0.5 or 1.0 credits, adding up to a total of 4.0 credits for the year. Modules are assessed in the academic year in which they are taken. The balance of compulsory and optional modules varies from programme to programme and year to year. A 1.0 credit is considered equivalent to 15 credits in the European Credit Transfer System (ECTS).

Students can apply for a three-year BSc or a four-year MSci, whereby the fourth year will involve a business consultative work placement and medical research experience.

Based within the Faculty of Medical Sciences, the degree will strongly align with the translational research performed by the world-leading researchers in stem cells, tissue engineering, biomaterials, 3D printing and medical devices.

The degree will also utilise expertise within the Faculty of Laws in regard to intellectual property, innovation law and medical regulation.

The School of Management (based in Canary Wharf) will provide the business and enterprise expertise. Students will learn how to create companies and translate medical technologies into clinical realities. Topics covered will include business start-up, management structures and financial planning.

Research Excellence Framework (REF) 2014

The Research Excellence Framework, or REF, is the system for assessing the quality of research in UK higher education institutions. The 2014 REF was carried out by the UK’s higher education funding bodies, and the results used to allocate research funding from 2015/16.

// 80%: Clinical Medicine subjects; 95%: General Engineering subjects rated 4* (‘world-leading’) or 3* (‘internationally excellent’)

Learn more about the scope of UCL’s research, and browse case studies, on our Research Impact website.
Your learning

The degree ethos is to teach by doing, and to develop a deep critical understanding together with excellent communication skills. Online teaching systems allows you to learn at your own pace and explore topics in greater depth. Tutorial-based problem-solving and small-group learning will encourage creativity. Hands-on practicals and industry exposure will support your understanding and enable you to relate learning to “real-life” scenarios.

Placement

A programme that encourages creativity, enterprise and outstanding communication skills will enable students to have broad career prospects in biomedical science, enterprise and technology transfer.

Assessment

Formative and summative assessment methods include: online and written examinations; critical reviews; poster presentations; practical skills assessment; and online participation. In year three you will be required to write a business plan for your medical innovation company (following modules in years one and two to support this) and a research project dissertation.

Your career

A programme that encourages creativity, enterprise and outstanding communication skills will enable students to have broad career prospects in biomedical science, enterprise and technology transfer.

The degree will provide a competitive advantage to students considering future careers in the following areas: biopharmaceuticals, biomedical research and medical device companies, technology transfer, company start-ups/university spin-out companies, biomedical consultancy, public engagement and education in medical advances.

Your application

Application for admission should be made through UCAS (the Universities and Colleges Admissions Service). Applicants currently at school or college will be provided with advice on the process; however, applicants who have left school or who are based outside the United Kingdom may obtain information directly from UCAS.

Your application will be assessed on the basis of past and projected academic performance and your personal statement. It would support your application if you are: excited by medical technology, innovation and entrepreneurship interested in people and what motivates them able to think critically and creatively, and to present views coherently interested in business, improving medical care and the translation of science able to work with other people, including people from different backgrounds and cultures.
Entry requirements

A LEVELS

Grades

AAA-AAB

Subjects

Biology and Chemistry required.

GCSE

English Language and Mathematics at grade B or 6. For UK-based students, a grade C or 5 or equivalent in a foreign language (other than Ancient Greek, Biblical Hebrew or Latin) is required. UCL provides opportunities to meet the foreign language requirement following enrolment. Further details at: www.ucl.ac.uk/ug-reqs

IB DIPLOMA

Points

36-38 overall.

Subjects

A total of 17-18 points in three higher level subjects including Biology and Chemistry, with no score below 5.

OTHER QUALIFICATIONS

UCL considers a wide range of UK and international qualifications for entry into its undergraduate programmes. Full details are given at: www.ucl.ac.uk/otherquals

UNDERGRADUATE PREPARATORY CERTIFICATES (International foundation courses)

The Undergraduate Preparatory Certificates (UPCs) are intensive one-year foundation courses for international students of high academic potential who are aiming to gain access to undergraduate degree programmes at UCL and other top UK universities.

Typical UPC students will be high achievers in a 12-year school system which does not meet the standard required for direct entry to UCL.

For more information see: www.ucl.ac.uk/upc.

TUITION FEES

The fees indicated are for undergraduate entry in the 2018/19 academic year. The UK/EU fees shown are for the first year of the programme at UCL only. The Overseas fees shown are the fees that will be charged to 2018/19 entrants for each year of study on the programme, unless otherwise indicated below.

// UK & EU: £9,250 (2018/19)

// Overseas: £24,040 (2018/19)

Full details of UCL’s tuition fees, tuition fee policy and potential increases to fees can be found on the UCL Students website.

FUNDING

Various funding options are available, including student loans, scholarships and bursaries. UK students whose household income falls below a certain level may also be eligible for a non-repayable bursary or for certain scholarships. Please see the Fees and funding pages for more details.

CONTACT

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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

Disclaimer

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 Undergraduate Prospectus at www.ucl.ac.uk/prospectus