PHARMACEUTICAL FORMULATION AND ENTREPRENEURSHIP MSc / 2019/20 ENTRY

www.ucl.ac.uk/graduate/
This MSc will provide students with the skills and knowledge to allow them to participate effectively in the creation and growth of high-impact pharmaceutical business ventures. Its graduates will be ideally positioned to initiate their own start-up companies or join existing biotech or pharmaceutical businesses.

**Degree summary**

Students will learn how to develop and assess a new business concept, and how to raise finance for and market a business and its outputs. They will build their scientific skill set by exploring four scientific research areas in pharmaceutics, and will interact closely with and be mentored by those who have direct experience of initiating a start-up business.

This programme is unique in equipping students with a broad skill set in both medicines design and entrepreneurship. It is delivered by world-leading academics in both the UCL School of Pharmacy and UCL School of Management.

UCL staff with direct experience of launching a pharmaceutical start-up will teach students best practice and how to overcome the major challenges involved in enterprises of this kind.

UCL’s central London location combines state-of-the-art research with an entrepreneurial dynamic that fosters start-up creation, and provides access to venture capitalists, business angels, and world-leading pharmaceutical companies. UCL Innovation and Enterprise, UCL’s centre for entrepreneurship and business interaction, offers UCL students direct practical support in launching a business.

The programme is delivered through a combination of lectures, tutorials, seminars and practical sessions, as well as industrial visits. Assessment is through a combination of written examinations, coursework assignments and project work.

**Degree structure**

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

Students undertake modules to the value of 180 credits. The programme consists of four compulsory modules (60 credits), four optional modules (60 credits), a scientific research project (30 credits) and a business case development project (30 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**

- Mastering Entrepreneurship
- Business for Bioscience
- Entrepreneurial Finance
- Initiating a Pharmaceutical Start-Up

**OPTIONAL MODULES**

- Students select three optional modules in term one (from a choice of four), and a further optional module (from a choice of five) in term two.

**Term One**

- Analysis and Quality Control
- Preformulation
- Formulation of Small Molecules
- Personalised Medicine

**Term Two**

- Pharmaceutical Biotechnology
- Clinical Pharmaceutics
- Nanomedicine
- Formulation of Natural Products and Cosmeceuticals
- Polymers in Drug Delivery

**DISSERTATION/REPORT**

- Students undertake two projects which culminate in two written reports and oral presentations. One is a short laboratory research project, while the second involves the development of a business case for a new pharmaceutical endeavour.
Your career

Graduates from this MSc find work in various areas of the pharmaceutical and biotechnology industries. They are fully equipped with the skills to start their own businesses, and can approach UCL Innovation and Enterprise to assist with this if desired. Alternatively, they may join small biotech or major pharmaceutical companies, pursue further research in academia, work in consulting, or join world-leading technology companies where there is increasing emphasis on healthcare and the life sciences. For instance, recent graduates have undertaken PhD research at the University of Cambridge or found work with start-ups such as Intract Pharma.

Employability

Employability skills are embedded in the programme, with emphasis placed on the development of "soft" skills and a series of workshop sessions organised on CV writing, undertaking interviews, and networking. We make extensive efforts to provide opportunities for students to meet with potential employers. Students from this MSc are highly competitive in the global jobs market.
Entry requirements

An upper second-class UK Bachelor's degree or higher in pharmacy, pharmaceutical science, chemistry, chemical engineering, materials science, biotechnology, pharmaceutics or a related field in the life or physical sciences, or an overseas qualification of an equivalent standard is required.

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

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:

- how your academic and professional background meets the demands of Pharmaceutical Formulation and Entrepreneurship
- why you want to study Pharmaceutical Formulation and Entrepreneurship at graduate level
- what particularly attracts you to this programme at the UCL School of Pharmacy/ UCL School of Management
- where you would like to go professionally with your degree and how this programme meets these needs

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: £14,040 (FT)
- EU: £14,040 (FT)
- Overseas: £27,040 (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.

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

APPLICATION DEADLINE

All applicants: 26 July 2019

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

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/brexit