Drug Discovery and Development MSc

This programme provides a broad overview of the drug discovery and development process and is designed for graduates in science-based subjects as preparation for either PhD-level research or a career in the pharmaceutical, biotechnology and CRO industries or with a government regulatory body.

Degree summary

You will gain extensive knowledge about the process of drug discovery and development from the initial drug target validation stage through to regulatory approval of a new drug. You will gain hands-on experience of molecular modelling and computer-based drug design, and analytical and synthetic techniques and be exposed to modern platforms for drug discovery.

Many lectures and seminars are from industry, academic and regulatory experts with potential for on-site visits and attendance at a one day conference.

There is a choice of specialist modules and students can choose to carry out a research project within UCL or industry.

Career opportunities after this degree are vast and there are organised career days and Alumni networking events to help students become more aware of possible careers.

The programme is delivered through a combination of lectures, tutorials and seminars supported by the Blackboard e-learning system and practical classes. Assessment is through a combination of written examination and coursework. The research project is assessed by written report and oral presentation.

Degree structure

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

Students undertake modules to the value of 180 credits. The programme consists of three compulsory modules (90 credits), two optional modules (30 credits) and a dissertation (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.

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<th>COMPULSORY MODULES</th>
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<tr>
<td>Modern Aspects of Drug Discovery</td>
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<td>The Process of Drug Discovery</td>
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<td>The Process of Drug Development</td>
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<th>OPTIONAL MODULES</th>
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<tr>
<td>Anticancer Personalised Medicines</td>
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<td>New Drug Targets in the CNS</td>
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<td>Pharmacogenics, Adverse Drug Reactions and Biomarkers</td>
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<td>Advanced Structure-based Drug Design</td>
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<th>DISSERTATION/REPORT</th>
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<td>All students undertake a laboratory-based research project which is assessed at the end of the year by a written report and oral presentation.</td>
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Your career

Graduates from the Drug Delivery and Development MSc have progressed to careers in academia or in the various aspects of the pharmaceutical, biotechnology, CRO and consulting industries.
Entry requirements

A second-class UK Bachelor’s degree or higher in a related subject such as pharmacy, pharmaceutical science, pharmacology, physiology, physical science, biochemistry, biotechnology, chemistry, chemical engineering, genetics, material sciences, or a medical degree (MBBS), 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: 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 Drug Discovery and Development
// why you want to study Drug Discovery and Development at graduate level
// what particularly attracts you to this programme at the UCL School of Pharmacy
// 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