MEDICINAL NATURAL PRODUCTS AND PHYTOCHEMISTRY MSc / 2019/20 ENTRY

www.ucl.ac.uk/graduate/
The UCL School of Pharmacy has an international reputation in natural drug discovery and the evaluation of drug leads from natural sources. This MSc has been designed in response to ever-increasing interest in the development and use of medicines derived from natural products.

Degree summary

This programme aims to train students in the methods used to analyse and characterise medicinal natural products, to examine the safety and efficacy of currently used herbal medicines, analytical and bioassay methods, and the ethnopharmaceutical uses of plants from traditional systems of medicines.

The programme provides a broad overview of natural product science, the impact of natural products as medicines, their analysis and their place in various societies.

Specifically the programme covers herbal medicines in healthcare and their safety and efficacy, with examples of natural products as medicines. There will also be lectures on the analysis of natural products and their place in the drug discovery process.

A visit to an industrial manufacturer of herbal medicinal products will take place.

The programme is delivered through a combination of lectures, seminars, tutorials and laboratory-based practical classes. Assessment is through a combination of written examinations, coursework and practical assignments, and the research project and oral presentation.

Accreditation

Satisfies the academic requirements for the award of Chartered Chemist (CChem) for students entering the programme between 2018 and 2023.

Degree structure

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

Students undertake modules to the value of 180 credits. The programme consists of five core modules (120 credits), and a research 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>Analytical Techniques in Phytochemistry</td>
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<td>Biodiversity and Medicines</td>
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<td>Medicinal Natural Products</td>
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<td>Natural Products Discovery</td>
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<td>Formulation of Natural Products and Cosmeceuticals</td>
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<th>OPTIONAL MODULES</th>
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<td>There are no optional modules for this programme.</td>
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<th>DISSERTATION/REPORT</th>
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<td>All students undertake a four-month research project in the third term which culminates in a dissertation. Topics range from natural product isolation and characterisation, synthesis, analysis, and a survey of medicinal products used in the community.</td>
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Your career

Graduates of this programme have progressed to careers in herbal, phytopharmaceutical or health food sectors. Some are involved in drug discovery while others pursue a PhD in the UK or overseas.
Entry requirements

A minimum of a second-class UK Bachelor’s degree in Pharmacy or the pharmaceutical, chemical, biological or medical sciences, or a related field, 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 Medicinal Natural Products and Phytochemistry
- why you want to study Medicinal Natural Products and Phytochemistry 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: 6 September 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