This three-year programme offers a complete education in chemistry, covering all the important areas of the subject while also allowing you to take optional modules in other areas such as astronomy, biology, computing or physics.

**Key information**

**Programme starts**  
September 2021

**Location**  
London, Bloomsbury

**Degree benefits**

- Consistently regarded as one of the best chemistry departments in the UK (ranked top 5 by Times Higher Education 2020 for universities offering Chemistry in the UK), we offer you an excellent education with high standards of teaching.
- You will benefit from our outstanding research profile as you are taught by lecturers who are experts in a wide range of chemistry-related fields.
- The wide range of optional modules enables you to develop your interests both within and outside chemistry, giving you a broad skills and knowledge base to offer potential employers.
- We offer access to state-of-the-art facilities, enhanced by our strong affiliation to other centres of excellence such as the London Centre for Nanotechnology.

**Accreditation**

The Royal Society of Chemistry accreditation is a peer review process founded on the judgement of professional chemists. It provides a structured mechanism to assess, evaluate, and enhance the quality of degree programmes and demonstrates a commitment to continuous improvement.

**Degree structure**

In each year of your degree you will take a number of individual modules, normally valued at 15 or 30 credits, adding up to a total of 120 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 30-credit module is considered equivalent to 15 credits in the European Credit Transfer System (ECTS).

Chemistry is offered either as a three-year BSc or as a four-year MSci. The first two years of study are identical, so you can defer which to opt for until the end of your second year. We advise you to select the four-year MSci programme initially as this keeps more options open.

In the first year, all students will be exposed to the full breadth of chemistry with an emphasis on developing core chemical skills. You will also take modules in mathematics appropriate to your prior qualification, together with further optional modules.

In the second year, the three main themes of chemistry are again developed in individual modules, leaving you free to choose two options, which can be either chemical or non-chemical.

In the third year you will undertake more research focused activities in the laboratory classes and also explore a current topic in the scientific literature, writing a review and presenting your work. In addition to the core modules in inorganic, organic and physical chemistry you will have scope to develop your own interests through the selection of chemistry and non-chemistry optional modules.

Upon successful completion of 360 credits, you will be awarded a BSc (Hons) in Chemistry.

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.

**YEAR ONE**

**Compulsory module(s)**

- Chemical Foundations
- Chemical Skills
- Basic Inorganic Chemistry
- Basic Organic Chemistry
- Basic Physical Chemistry
- Mathematics module appropriate to your level of qualification.

**Optional modules**

Example available optional modules include:

- Physics for Chemists
- Biochemistry and Molecular Biology
- The Earth
- Understanding Management
- Languages
- Introductory Statistical Methods and Computing
YEAR TWO

Compulsory module(s)
- Inorganic Chemistry
- Organic Chemistry
- Physical Chemistry

Optional modules
Example available optional modules include:
- Chemical Dynamics
- Chemistry of Materials
- Organic Reaction Mechanisms

Plus further modules from a wide range in other subjects such as history & philosophy of science, management, languages, mathematics, computer programming and physics.

FINAL YEAR

Compulsory module(s)
- Synthetic Chemistry and Instrumentation
- Advanced Topics in Inorganic Chemistry
- Advanced Topics in Physical Chemistry
- Advanced Topics in Organic Chemistry
- Chemical Literature

Optional modules
You will select optional modules from a wide range of Chemistry and other approved undergraduate options.
Chemistry options may include:
- Concepts in Computational Chemistry
- Inorganic Rings, Chains and Clusters
- Organic Photochemistry, Radicals and Heterocycles
- Principles of Drug Design
- New Directions in Materials Chemistry
- Scientific Programming

Further options include management and languages.

Your learning
Your learning will combine lectures, practical classes and group workshops. In addition you will attend small group tutorials which provide specialised support for the core modules.

Assessment
Your learning will be assessed using a variety of methods including end-of-year examinations, laboratory reports, problem sheets, essays, posters and presentations.

Accessibility
Details of the accessibility of UCL buildings can be obtained from AccessAble. Further information can also be obtained from the UCL Student Support & Wellbeing team.

Your career
As a UCL Chemistry graduate you will have developed both discipline-based and highly sought after analytical skills, for example in logical thought and numeracy.

On completion of your degree you will have the obvious option of pursuing a career within the chemical industry. This is recognised as one of the most exciting and successful contributors to the UK economy, for example in the pharmaceutical, biotechnology and nanotechnology sectors.

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.
**Entry requirements**

**A LEVELS**

**Standard Offer:** AAA. Chemistry and one of Biology, Physics or Mathematics required.

**GCSE:** English Language at grade C or 5, plus 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.

**Contextual Offer:** AAB. Grades AA in Chemistry and one of Biology, Physics or Mathematics required.

**GCSE:** English Language at grade C or 5, plus 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**

**Standard Offer:** 38 points. A score of 18 points in three higher level subjects including 6 in Chemistry and 6 in one of Biology, Physics or Mathematics, with no score lower than 5.

**Contextual Offer:** 36 points. A score of 17 points in three higher level subjects including 6 in Chemistry and 6 in one of Biology, Physics or Mathematics, with no score lower than 5.

**CONTEXTUAL OFFERS – ACCESS UCL SCHEME**

As part of our commitment to increasing participation from underrepresented groups, students may be eligible for a contextual offer as part of the Access UCL scheme. For more information see www.ucl.ac.uk/prospectus.

**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)**

UCL 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.

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**TUITION FEES**

The fees indicated are for undergraduate entry in the 2021/22 academic year. The UK fees shown are for the first year of the programme at UCL only. Fees for future years may be subject to an inflationary increase. The Overseas fees shown are the fees that will be charged to 2021/22 entrants for each year of study on the programme, unless otherwise indicated below.

- **UK:** £9,250 (2021/22)
- **Overseas:** £31,200 (2021/22)

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

**ADDITIONAL COSTS**

Students on this programme have free access to electronic copies of over 100 textbooks and free laboratory coats. This programme does not have any additional costs outside of purchasing books or stationery, printing, thesis binding or photocopying.

A guide including rough estimates for these and other living expenses is included on the UCL Fees and funding pages. If you are concerned by potential additional costs for books, equipment, etc., please get in touch with the relevant departmental contact (details given on this page).

**FUNDING**

UCL Chemistry offers a number of scholarships which will be advertised on the departmental website as appropriate.

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**

Dr Matthew Blunt

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**Telephone:**

**Department:** Chemistry

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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.

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