UNIVERSITY OF LIVERPOOL

BSc (Hons)

Chemical Sciences BSc (Hons) (4 year route including a Foundation Year at Carmel College)

UCAS code F108

Study mode	Duration	
Full-time	4 years (1+3)	Apply by: **29 January 2025** Starts on: **22 September 2025**

About this course

If you love chemistry and want to keep your future career options open, this programme offers a solid grounding in all aspects of chemistry, while allowing you to incorporate some non-chemical options to broaden your education.

Introduction

This is the ideal option if you think you want to start studying chemistry at a lower level than the three-year BSc (Hons) Chemistry programme and are uncertain of an area of specialism.

You spend the foundation year at Carmel College (St Helens) studying chemistry and mathematics with options from biology, geography and physics. Carmel College is located in St Helens, about nine miles from the main University campus. The College offers small class sizes and high standards of academic achievement.

Find information about what essential and optional modules you will need to take during your Year Zero at Carmel College to progress to your chosen University of Liverpool degree programme in our guide to progression routes

What you'll learn

- Practical application of chemistry
- Material chemistry
- Energy and catalysis
- Functional interfaces
- Medicine and bio-nano chemistry
- Theoretical and computational chemistry
- Renewable and sustainable chemistry
- Numeracy and problem solving.

Accreditation

Our BSc programmes have bachelor accreditation from the Royal Society of Chemistry (RSC) ensuring your degree with us will set you on the pathway to a successful career.

Accreditation in detail

Royal Society of Chemistry

The Royal Society of Chemistry is a learned society for chemists in the United Kingdom.

Routes

- Chemistry BSc (Hons)
- Chemistry with a Year in Industry BSc (Hons)
- Medicinal Chemistry BSc (Hons)

- Ocean Sciences BSc (Hons)

Back to top

Course content

Discover what you'll learn, what you'll study, and how you'll be taught and assessed.

Year zero

Students follow a programme covering basic sciences including compulsory modules in:

- Chemistry
- Mathematics

And optional modules chosen from:

- Biology
- Geography
- Physics

On successful completion of the programme at Carmel College, students transfer to the first year of their chosen degree programme.

Programme details and modules listed are illustrative only and subject to change.

Teaching and assessment

How you'll learn

This four-year Chemical Sciences degree programme aims to provide broad coverage of all aspects of chemistry with the foundation year at Carmel College.

How you're assessed

Assessment is mainly by examination and coursework but, depending on the modules taken, you may encounter project work, presentations (individual or group), and specific tests or tasks focused on solidifying learning outcomes. Students are expected to score an overall mark of 50% to progress to the second year of the course. In second year, students will start on the first year of their selected degree programme at the University of Liverpool.

Liverpool Hallmarks

We have a distinctive approach to education, the Liverpool Curriculum Framework, which focuses on research-connected teaching, active learning, and authentic assessment to ensure our students graduate as digitally fluent and confident global citizens.

The Liverpool Curriculum framework sets out our distinctive approach to education. Our teaching staff support our students to develop academic knowledge, skills, and understanding alongside our **graduate attributes**:

- Digital fluency
- Confidence
- Global citizenship

Our curriculum is characterised by the three **Liverpool Hallmarks**:

- Research-connected teaching
- Active learning
- Authentic assessment

All this is underpinned by our core value of **inclusivity** and commitment to providing a curriculum that is accessible to all students.

Back to top

Careers and employability

Our graduates develop a wide range of skills including numeracy, problem solving and IT in addition to scientific skills. Visits to the Department by leading companies such as GlaxoSmithKline and Unilever ensure that you make contact with prospective employers at key stages in your final year.

Typical careers of our graduates include

- assistant analyst
- development chemist
- research assistant
- site chemist.

Recent employers:

- GlaxoSmithKline
- Unilever
- IOTA Nanosolutions Ltd
- Perstorp Caprolactones
- Shell
- Towers Watson
- United Utilities.

Back to top

Fees and funding

Your tuition fees, funding your studies, and other costs to consider.

Tuition fees

UK fees (applies to Channel Islands, Isle of Man and Republic of Ireland)

Full-time place, per year - £9,535
Foundation year fee - £7,500
Year abroad fee - £1,430 (applies to year in China)

Following the foundation years, standard course fees apply.

The tuition fees shown are correct for 2025/26 entry. Please note that the year abroad fee also applies to the year in China.

Tuition fees cover the cost of your teaching and assessment, operating facilities such as libraries, IT equipment, and access to academic and personal support. Learn more about paying for your studies.

Additional costs

We understand that budgeting for your time at university is important, and we want to make sure you understand any course-related costs that are not covered by your tuition fee. This could include buying a laptop, books, or stationery.

Find out more about the additional study costs that may apply to this course.

Back to top

Entry requirements

The qualifications and exam results you'll need to apply for this course.

A levels

T levels

T levels are not currently accepted.

GCSE

All applicants must have a minimum of five GCSEs at grade C/4 or above, including English Language, Mathematics and two Sciences. Core and Additional Science/Dual Science acceptable as the two Sciences. Alternatively, if separate sciences are being studied then one of these must be GCSE Chemistry. Applicants over 21 can be considered on GCSEs alone.

International qualifications

Select your country or region to view specific entry requirements.

Many countries have a different education system to that of the UK, meaning your qualifications may not meet our direct entry requirements. Although there is no direct Foundation Certificate route to this course, completing a Foundation Certificate, such as that offered by the University of Liverpool International College, can guarantee you a place on a number of similar courses which may interest you.

Alternative entry requirements

- If your qualification isn't listed here, or you're taking a combination of qualifications, contact us for advice
- Applications from mature students are welcome.

Back to top

Generated: 27 Mar 2025, 13:39