Courses

Single Honours
BSc Chemistry
three years F100

BSc Chemistry with a Preliminary Year of Study
four years F108

MSci Chemistry
four years F103

MSci Chemistry with Industrial Experience
four years F105

MSci Chemistry with Study Abroad
four years F107

MSci Chemistry with Study in Continental Europe
four years F104

Why study chemistry at Bristol?

As one of the UK’s biggest and most popular chemistry schools, we have a superb reputation for teaching and research. This means that your course will be delivered by experts who bring the latest thinking into the laboratory and lecture theatre, and give you the opportunity to collaborate on exciting projects at the forefront of chemistry research.

The many options we offer allow you to tailor your course to suit your interests and choose the right path for your future career. You could investigate aspects of theoretical chemistry, make new compounds in a synthetic chemistry lab or develop science resources for a local school. You could spend time overseas at one of our partner universities in Europe, Australia, Singapore, Canada or the USA, or gain invaluable insights into applied chemistry with a year in industry.

We have strong links with many major pharmaceutical companies. Our students recently spent their year in industry working for AstraZeneca, Bayer Crop Science, Croda, GSK and Johnson Matthey, amongst others. Our teaching laboratories are among the best in the world and we are ranked in the top five institutions for chemistry (REF 2014). We are also home to Bristol ChemLabS, the UK’s only chemistry-based Centre for Excellence in Teaching and Learning.

Current research work includes finding sustainable solutions for fuelling the cars of the future, making diamond suitable for electronic applications in extreme environments and developing a way of continuously monitoring glucose in the body. We produce ground-breaking chemistry, so you could be collaborating on a project that has a major impact on future generations.

‘Every day of my job brings something different, I’ve been involved in projects for clients across the nuclear industry, from organisational capability of new build organisations to modifications of decommissioning reactor safety cases, and everything in-between.’

Sophie (MSci Chemical Physics with Industrial Experience) Graduate Consultant, Hydrock NMCL

This leaflet contains information for students planning to start university in autumn 2018. We have made every effort to ensure all details are correct at the time of going to press (June 2017). However, since this information is subject to change, you are advised to check the University’s website, bristol.ac.uk/ug-study, for the latest updates.
We understand that your interests may change and develop as you study at university, so our degree courses are designed to be as flexible as possible. Some courses offer you the possibility of spending a year working in industry in the UK and overseas, or studying abroad.

We offer a course with a preliminary year of study for academically able students whose qualifications do not enable them to enter directly into the first year of our other courses. Transfer between different chemistry courses is usually possible up until the end of your first year.

The first year of our degree courses share the same structure. You will study an optional subject alongside chemistry, with popular choices including pharmacology and biochemistry, as well as mathematics and physics. We also offer a unit called Big Ideas in Science in which world-leading scientists from across the Faculty of Science introduce some of the most important developments in their fields. Many students choose to continue their study of a foreign language in their first year or take up studying a language for the first time.

You will also take units in mathematics and communications skills specifically designed for chemistry students. A basic understanding of mathematics is essential for any scientist and our Mathematics for Chemists unit will help to support your study of chemistry. Our newly introduced Communication and Information Skills for Chemists unit will give you the transferable skills that you need to develop as a successful scientist or in the career of your choice.

In subsequent years you will specialise in chemistry and develop an increasing understanding of organic, inorganic and physical chemistry, as well as having the opportunity to learn more about analytical, theoretical and environmental chemistry. The structure of the final year of our MSci courses allows you to specialise further in areas of chemistry that are of particular interest to you.

Practical work is central to all of our chemistry degree courses and Bristol offers you some of the best facilities. Our world-class teaching laboratories are of a standard that you would expect to find in a research environment. We have also developed an innovative online Dynamic Laboratory Manual, which includes virtual instruments and simulations of experiments and video clips to help you prepare for your laboratory work.

The final year of all MSci Chemistry degree courses includes a research project in which you will work with a member of academic staff and their research team on a current problem in chemistry. For most students this is the highlight of their undergraduate studies, and many have their work published in internationally renowned chemistry journals. The final year of our BSc Chemistry course also includes a project, with options to work in a research laboratory or even in a local primary or secondary school, helping to develop science resources or carrying out chemistry education research.

Assessment is primarily through examination, although practical work and some coursework is continually assessed. This gives you time to think about the subjects that you are studying without having to worry about regular assessment deadlines.

95% of students are satisfied overall with the quality of the course.
National Student Survey 2016, MSci Chemistry

bristol.ac.uk/ug-study
**Careers and graduate destinations**

The University of Bristol has an excellent reputation with employers. Companies and organisations in many areas of industry and the public sector employ chemists for their technical knowledge and expert scientific understanding.

Many of our graduates enjoy chemistry so much that they stay on to do research here or at other universities across the world. Others move directly into jobs in all areas of science, from biotechnology and pharmaceuticals to petrochemicals and nanotechnology.

Employers in other sectors value the transferable skills that chemistry graduates possess. Chemists are trained to solve problems, have excellent literacy and numeracy skills, and are good at working both independently and as part of a team. In recent years, our graduates have moved into careers in law, management, business, finance, marketing, accountancy, journalism and the media.

**Making your application**

Typical offer for BSc Chemistry*

Visit bristol.ac.uk/ug18-chemistry for other qualifications.

- **A-levels** AAA (contextual AAC†) including AA in Chemistry and Mathematics.
- **IB Diploma** 36 overall (contextual 32†) to include 18 points at Higher Level (contextual 16†) with 6 at Higher Level in Chemistry and 6 at Higher Level in Mathematics. 7 in Standard Level Mathematics (not Mathematical Studies) is accepted in place of 6 in Higher Level Mathematics.

**English Language Profile** C††
- GCSEs Grade C in English Language and Mathematics.

†For information on contextual offers, visit bristol.ac.uk/ug-apply/#typical-contextual-offers.

††For details of English language profiles, visit bristol.ac.uk/ug-language-requirements.

Selection UCAS or Common Application.

Deferred entry Welcomed.

When preparing your application think about which areas of chemistry interest you most. Tell us about the topics in your course that you particularly enjoy. Which applications of chemistry do you find interesting? We would also like to hear about the project work or experiments that you have been doing. Have you been to any university taster days or scientific lectures or demonstrations? We don’t expect all our applicants to have had the chance of work experience in a scientific discipline, but if you have been fortunate enough to do so, we would like to hear about it.

A strong background in mathematics is important for any scientist and we will require you to have an A-level or equivalent in the subject.

Further information

Find out more about the School of Chemistry: bristol.ac.uk/chemistry.

More general information about studying chemistry and careers for chemistry graduates is available from the Royal Society of Chemistry’s website: www.rsc.org.

To find out more about Fusion, the University of Bristol’s Chemical Society, visit: bristolsu.org. uk/activities/societies.

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The University of Bristol has one of the best employment records in the UK. We are rated sixth in the UK in the QS Graduate Employability Rankings 2016/17 and are the third most targeted university by top UK employers (High Fliers Research, 2017).
Contact us

**Enquiries Team**
Tel +44 (0)117 394 1649  
Email choosebristol-ug@bristol.ac.uk

If you have any questions about courses, applications or any aspect of being a UK or international student at Bristol please contact the Enquiries Team.

**Accommodation Office**
Tel +44 (0)117 954 6640  
Email accom-office@bristol.ac.uk  
[bristol.ac.uk/accommodation](http://bristol.ac.uk/accommodation)

**Disability Services**
Tel +44 (0)117 331 0444  
Email disability-services@bristol.ac.uk  
[bristol.ac.uk/disability-services](http://bristol.ac.uk/disability-services)

**Student Funding Office**
Tel +44 (0)117 331 7972  
Email student-funding@bristol.ac.uk  
[bristol.ac.uk/fees-funding](http://bristol.ac.uk/fees-funding)

University guide to the city of Bristol  
[bristol.ac.uk/citybristol](http://bristol.ac.uk/citybristol)

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