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If you have any questions about courses, applications or student life at Bristol, please contact the Enquiries Team.

Photography
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University of BRISTOL

Chemistry

Undergraduate study

Courses

Single Honours

BSc Chemistry
three years F100

BSc Chemistry with a Preliminary Year of Study
four years F108

BSc Chemistry with Scientific Computing*
three years F130

MSci Chemistry
four years F103

MSci Chemistry with Industrial Experience
four years F105

MSci Chemistry with Scientific Computing*
four years F131

MSci Chemistry with Study Abroad
four years F107

MSci Chemistry with Study in Continental Europe
four years F104

* This course is subject to approval.

This leaflet contains information for students planning to start university in autumn 2020. We have made every effort to ensure all details are correct at the time of going to press (May 2019). 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.

Why study chemistry at Bristol?

As one of the UK's biggest 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 it will 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 can choose a course that includes time overseas at one of our partner universities in Europe, Australia, Singapore, Canada or the US, or gain invaluable insights into applied chemistry with a year in industry.

We have strong links with many major pharmaceutical companies. Students have recently spent their year in industry working for AstraZeneca, Bayer Crop Science, Croda, GSK and Johnson Matthey, among others. Our teaching laboratories are world class, and we are ranked in the top five institutions for chemistry research in the UK (*THE* analysis of REF 2014). We are also home to Bristol ChemLabS, a Centre for Excellence in Teaching and Learning.

Current research work includes 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.

- We're a top 6 European university for teaching (*THE* 2018) and 3rd in the UK for Chemistry research (*Times* Good University Guide 2019).
- Researchers in our department have collaborated on a wide range of innovations, including world-changing diabetes breakthroughs and a new form of artificial snow.

What will you study?

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 studying abroad or spending a year working in industry, either in the UK or overseas.

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 until the end of your first year.

The first years of all chemistry degree courses share the same structure. You will study an optional subject alongside chemistry, with popular choices including pharmacology, biochemistry, 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 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 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 to 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 our chemistry degrees, and Bristol offers you superb lab 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, simulations of experiments and video clips to help you prepare for your laboratory work.

The final years of all MSci Chemistry degree courses include 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 had 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.

Our undergraduate labs, the UK's only chemistry-based Centre for Excellence in Teaching and Learning, provide students with innovative teaching within a world-class facility.

'Under the supervision of my personal tutor, I spent the summer using nuclear magnetic resonance to elucidate organic molecular structures. There are very few places in the world where I could experience this first hand.'

Sean (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 other 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.

Bristol is the second most targeted university by top UK employers.

High Fliers Research 2019

Graduate employers
Deloitte LLP
Ministry of Defence
HSBC
Agar Scientific Ltd
Mime Consulting

Career destinations
Audit Associate
Management Consultant
Trainee Accountant
Graduate Research Scientist
Data Analyst

Source: Destinations of Leavers from Higher Education survey 2016/17. Combined data includes students of chemistry and chemical physics. Find out more at **bristol.ac.uk/careers/be-inspired.**

Making your application

Visit **bristol.ac.uk/ug20-chemistry** for more information about our courses.

Typical offer for BSc Chemistry

A-levels AAA (contextual ABB) including A in Chemistry.

IB Diploma 36 points overall (contextual 32) with 18 at Higher Level (contextual 16), including 6 at Higher Level in Chemistry

GCSEs 6 or B in Mathematics or equivalent.

Typical offer for MSci Chemistry

A levels A*AA (contextual AAB) including A in Chemistry and B in Mathematics.

IB Diploma 38 points overall (contextual 34) with 18 at Higher Level (contextual 17), including 6 at Higher Level in Chemistry and either 6 (contextual 5) at Higher Level or 7 at Standard Level in Mathematics.

Our contextual offer is a grade reduction of up to two grades below the standard entry requirements, made to applicants from under-represented groups. Find out more at **bristol.ac.uk/contextual-offers**.

Selection process UCAS.

For other accepted qualifications, and for our English language requirements, visit **bristol.ac.uk/ug20-chemistry**.

Application advice for chemistry courses
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.

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 Chemistry Society, visit: **bristolsu.org.uk/activities/societies**.

This information is correct at the time of printing (May 2019), but we recommend you check the University website for the latest information: **bristol.ac.uk/ug20-chemistry**.

Read more about how we support you when you are here:

bristol.ac.uk/students