



MANCHESTER
1824

The University of Manchester

Chemistry

UNDERGRADUATE BROCHURE



Join one of the top-ranked departments in the country, follow in the footsteps of seven Nobel Prize winners and discover how chemistry shapes our world.

Manchester is home to one of the largest chemistry departments in the UK, where you'll work closely with world-renowned academics and gain an appreciation for a subject which links to many scientific disciplines, both through application, as well through learning and research. In lectures, the topics and examples you'll discuss will be taken from cutting-edge research, much of which is carried out right here by the department's academics.



Why Manchester



We are ranked 4th in the UK and 7th in Europe for Chemistry. (QS World University Rankings 2022)



We've been at the forefront of chemistry since 1824, always exploring new ways it can be used to provide a healthy, sustainable future.



You'll learn in our outstanding £14.1 million teaching labs which will prepare you for a career in industry or research.



We pride ourselves on the amount of support we offer students, from our dedicated well-being hub, to our award-winning PASS (Peer Assisted Student Study) scheme.

Our courses

Chemistry BSc

Chemistry MChem

Chemistry with Industrial Experience MChem

Chemistry with International Study MChem

Chemistry with Medicinal Chemistry BSc

Chemistry with Medicinal Chemistry MChem

Chemistry with an Integrated Foundation year

FLEXIBLE OPTIONS

Our courses follow a flexible common pathway, which typically allows transfer between the BSc and MChem programmes.

FOUNDATION YEAR AVAILABLE

You can prepare for the full degree course if you do not have the appropriate qualifications for direct entry by undertaking our foundation course first.

Find out more about the different courses and options on offer on our department website:
uom.link/ug-chemistry





What you'll learn

Our courses are specifically designed to allow for flexibility and choice. We provide carefully targeted chemistry core units, to equip you with key scientific, analytical and problem-solving skills. Alongside this, you can choose from a wide range of more specialised options to further develop your interests in a broad range of topics, including medicinal, materials, computational, biological and environmental chemistry.

Our Chemistry with Medicinal Chemistry courses will provide you with a comprehensive understanding of all core aspects of chemistry, as well as a substantial grounding in the underlying principles and practice of modern medicinal chemistry.

You can work towards a BSc or MChem award over 3 or 4 years, respectively. Our MChem courses have been developed to help you pursue careers as professional chemists in industrial research groups or in higher education. The final year of the MChem is largely based on a research project conducted in our academic research groups and provides an excellent route into postgraduate education.

Our contemporary, multi-disciplinary degree programmes and innovative skills-based curriculum will give you the tools to succeed in your degree, and our award-winning Careers Service will assist you in making choices for your future.

Special features

INDUSTRIAL EXPERIENCE

Competition in the graduate job market has risen dramatically over the last ten years, and students are increasingly looking for ways to differentiate themselves. An excellent way to do this is by choosing an industrial placement as part of your degree course. This involves spending a year working in industry during your third year of study. As well as the salary that you earn during your placement, you'll also gain practical experience that can be invaluable both in your final-year project and when competing for graduate jobs.

The Department of Chemistry offers a specific industrial placement programme: Chemistry with Industrial Experience MChem (four years). This placement will allow you to develop real-world expertise and earn a salary while completing the third year of your degree. The transferable skills you gain will help to shape your future career.

Our students have recently undertaken placements with a wide range of organisations including industry-giants such as GlaxoSmithKline, Reckitt Benckiser, AstraZeneca, and Cancer Research UK.

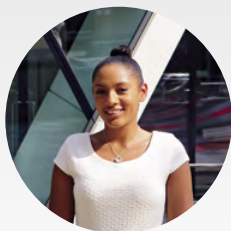
Read more about our industrial experience options and about some of our students' experiences here: uom.link/ug-chemistry-ind-exp

STUDY ABROAD

We offer our students the chance to study abroad as part of their chemistry degree. Through our Chemistry with International Study MChem course you'll experience a new culture, meet new people and gain new perspectives in approaches to chemistry. Your time overseas will form the third year of your four-year course.

During this year you'll undertake a course broadly similar to that you would otherwise have studied in Manchester - but one that presents new opportunities too.

Read more about our study abroad option and about some of our students' experiences here: uom.link/ug-chemistry-study



"This course gives you the chance to learn so many diverse topics and find what field interests you. By the final year, many lecturers integrate their fascinating research into the lecture courses, and you can test and apply your skills through research and labs."

Imogen Henry-Campbell / former ChemSoc President

OUR STUDENT COMMUNITY

ChemSoc is the hub of our flourishing social and sporting activities. The society organises many events throughout the year and has two successful sports teams, football and netball. The teams comprise of first years right through to PhD students, so you'll be able to meet lots of new faces! Besides the social side, ChemSoc also hosts research talks accessible to all students featuring our world-leading research from Manchester. Finally, ChemSoc encourages students to think about their employability, and has worked closely with the Careers Service to run a wide range of networking events throughout the year.

uom.link/ug-chemistry-student-union



See how our staff have created the world's smallest knot made 'simply' by tying molecules together, which has awarded them with a Guinness World Record!
uom.link/ug-chemistry-video

A RANGE OF STUDY OPTIONS

Tailor your learning by having the option to pick units from other degree courses in the University College for Interdisciplinary Learning.

For more information visit: uom.link/ug-chemistry-ucil

Open days

The University holds undergraduate open days regularly where you have the opportunity to find out more about our courses, the support we offer and see our facilities. Attending an open day is a great way to find out what studying at Manchester is like and to hear from our staff and students.

For information about our open days visit:
uom.link/ug-chemistry-open-days



Discover what life as a chemistry student is like with our virtual tour:
uom.link/ug-chemistry-virtual-tour



"The skills I learned at the University of Manchester helped me greatly. The chemistry course is designed to give you the skill set to remain in academia, and to work in industry. During my time at Manchester I was able to take courses from outside the department including Leadership and Communicating courses that in the long term have prepared me for life after university."

Pietro Di Tondo / BSc Chemistry alumni
Senior Regulatory specialist

Read more about Pietro's journey since graduating on: uom.link/ug-chemistry-pietro

Employability and careers

Our Chemistry graduates are skilled in scientific methodology and are numerate, versatile and creative, making them highly attractive to employers from a range of sectors.

Around half of our graduates get their first job directly using their chemical knowledge; a quarter go on to study a further degree; and the remaining quarter opt for diverse careers in such areas as finance, management, computing and IT.

A chemistry degree gives you a broad range of career options, from research and development at the forefront of science to working in the media.

WHAT OUR GRADUATES DO

- Lead chemical analyst
- Pharmacologist
- Chemical engineer
- Research scientist
- Healthcare scientist
- Toxicologist

WHERE OUR GRADUATES WORK

- Johnson Matthey
- Shell
- AstraZeneca
- Unilever
- NHS
- AkzoNobel

Find out about the careers opportunities the University and our department offer, so that you graduate with a range of skills and experience: uom.link/ug-chemistry-careers

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uom.link/ug-chemistry-blog

DISCLAIMER

This brochure was produced in 2022. It has therefore been produced in advance of course starting dates. For this reason, course information, including course content, may be amended prior to your applying for a place on a course of study. There are a number of reasons why changes to course information and/or published term dates may need to be made prior to your applying for a place on a course. These may include, but are not limited to: the need to make reasonable changes to the content and teaching offered in relation to any course for operational and/or academic reasons; the withdrawal of courses due to insufficient numbers; a course not receiving the required accreditation; and/or interruption or loss of key services due to circumstances beyond our control, including fire, flood or other operational issues.

Prospective students are therefore reminded that they are responsible for ensuring, prior to applying to study at The University of Manchester, that they review up-to-date information by searching for the relevant course at uom.link/fse-ug-courses

STUDY ABROAD/INDUSTRIAL EXPERIENCE DISCLAIMER

Some aspects of the study abroad/industrial experience programmes may continue to be impacted by the COVID-19 pandemic. The situation is fast-moving and dynamic and may require adjustments at short notice.

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