

Cardiff School of Chemistry
Undergraduate Degree Programmes





Why Study Chemistry?

Chemistry is central to all processes on earth. The range of sectors and industries in which chemists are employed is wide and varied. Chemists will play a pivotal role in tackling the challenges of the next decade. Your training, by professionals, will enable you to be successful in helping to solve problems that face the world today.

Pharmaceuticals, oil production, climate change, food technology, energy and materials development, teaching and scientific management are some of the many areas in which chemistry graduates find employment. Chemists' roles include investigating the optimisation of processes, quality standard analysis, educating others and discovering new molecules that are used in everyday life.

A degree in Chemistry will equip you with transferable skills such as numeracy, problem solving, IT, literacy and analytical thinking that will make you highly desired by recruiters. As Chemistry is so varied, Cardiff University has developed a portfolio of degree programmes that cater for different students' tastes and aspirations. Our flexible modular degrees allow students to direct their studies to reflect their own academic interests. These degree programmes will give you the firm skills basis upon which you can build and let your career develop.

In addition, graduates can often enjoy a comfortable income, a wide range of job prospects and have a degree that is recognised by both The Royal Society of Chemistry and internationally.

If you like the idea of working on unique projects, developing personally and professionally in a role that you can truly make your own then please read on.

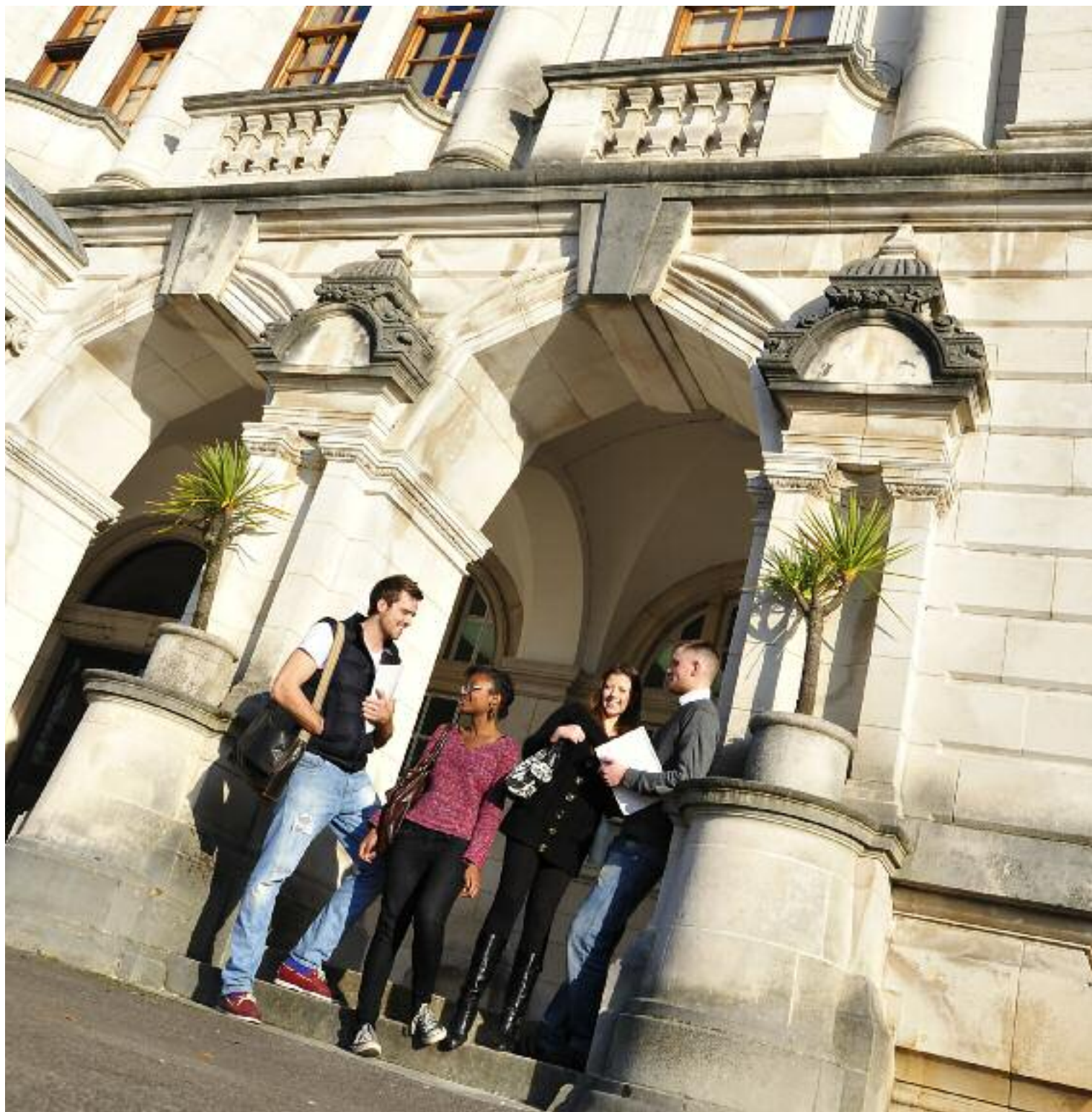


“ Chemists will play a pivotal role in tackling the challenges of the next decade. ”

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*Cardiff University's Main Building,
home to the Cardiff School of Chemistry*



Welcome

The Cardiff School of Chemistry offers a range of flexible and diverse degree programmes to suit the different expectations and aspirations of today's students.

This brochure provides an introduction to the Cardiff School of Chemistry and the undergraduate degree programmes that we offer. I hope that you will find it to be a useful guide that helps you in your choice of both degree programme and University.

The staff in the School are engaged in cutting-edge research, and they possess experience covering all the main areas of chemistry, and its interfaces with other sciences and technology. All of this expertise is brought to bear on our degree programmes, which offer a learning experience that is fully embedded in modern molecular science.

Our student body is drawn from the UK, Europe and further overseas. We offer all our students the opportunity to gain a valuable and valued qualification which will provide a sound basis for their future development.

There has never been a more exciting time to study chemistry. In this close knit environment, you will find your university experience at Cardiff School of Chemistry enjoyable, informative and beneficial to your future career. We look forward to receiving your application and for you to become a part of our community.



Professor Peter Knowles
Head of School

“ The staff in the School are engaged in cutting-edge research, and they possess experience covering all the main areas of chemistry, and its interfaces with other sciences and technology. ”

Cardiff: the City

Cardiff is one of Europe's youngest capital cities. Compact, green, friendly and full of life, it provides a first-class environment in which to live and study.

As the capital city of Wales, Cardiff has an impressive range of leisure, sporting and cultural amenities. Many of the facilities are of international standard. The city boasts world-class concert venues in the International Arena and St David's Hall, and is the focus of national and international sports events at the Millennium Stadium.

Culturally, Cardiff is well catered for, with the National Museum and Gallery of Wales, several theatres covering a wide range of tastes and the historic Cardiff Castle. The city also boasts a vibrant shopping centre, numerous cinemas and restaurants, great pubs and music venues. The development of Cardiff Bay is a major attraction and is home to the Welsh Assembly and the newly-opened Wales Millennium Centre.

The Millennium Stadium





More online at:

www.visitcardiff.com

www.cardiff.ac.uk

www.cardiff.gov.uk

Cardiff is a compact city with large areas of parkland and good local transport. Unlike many other cities, it offers easy access to the countryside, coast and mountains. The Brecon Beacons National Park is only a 30-minute drive from Cardiff and the Glamorgan Heritage Coast is within easy reach. The city is also easily reached by road or rail from other parts of Britain. Cardiff International Airport, just outside the city, has frequent connections to Europe and destinations outside the EU.

Cardiff combines the practical advantages of a small, friendly, city with the cultural and recreational amenities of a successful and modern capital. Such is the quality of the 'Cardiff experience' that in a recent survey a large majority of the students said they would like to stay and live in the city after graduation.



Don't just take our word for it . . .

"Cardiff is one of the best places to study in Britain. It has well situated, cheap housing, lively nights out, friendly people, great shops and hundreds of miles of countryside. It is all that any right-thinking fresher could desire."

Virgin Alternative Guide to British Universities

"Cardiff is a young, vibrant city. A blend of beautiful old architecture and new, cutting-edge developments. Cosmopolitan with a large student population."

Daily Telegraph Guide to UK Universities

"Cardiff has it all: grand civic architecture in a breezy waterside location, super-smart city bars just a short hop from lovely countryside."

Guardian University Guide

Come and see for yourself . . .

Cardiff benefits from excellent road and rail links with Britain's other major towns and cities. London, for example, is two hours by train, and the M4 links both the west and south of England, as well as west Wales. Travel to the Midlands and the North is equally convenient. The journey by road from Birmingham, for example, takes only two hours. The main coach and railway stations are both centrally placed and Cardiff also benefits from an international airport.



Cardiff's Civic Centre, home to the University



Cardiff Bay, the city's waterfront

Cardiff: the University

Cardiff University is recognised in independent government assessments as one of Britain's leading teaching and research universities. Founded by Royal Charter in 1883, the University today combines impressive modern facilities and a dynamic approach to teaching and research with its proud heritage of service and achievement. The University's breadth of expertise encompasses: the humanities; the natural, physical, health, life and social sciences; engineering and technology.

The University has an outstanding location amidst the parks, Portland stone buildings and tree-lined avenues that form the city's elegant civic centre. Unusually for a civic university, most of the University's student residential accommodation is within easy walking distance of lecture theatres, libraries and the Students' Union, saving you time and money. More than £150 million has been invested in the university estate since 2002 to provide new and refurbished facilities of the highest quality.

The University's Main Building



Cardiff is a member of the Russell Group of Britain's leading research universities and is consistently ranked amongst the UK's leading research institutes. Research is undertaken throughout the University and this creates a stimulating environment for teaching, ensuring that you are exposed to the very latest thinking and that the most modern technology and equipment is available. Teaching at Cardiff has been independently assessed as being of an excellent standard. The Quality Assurance Agency for Higher Education, which undertakes assessments with all UK universities, confirmed that prospective students, parents, teachers and graduate employers can have every confidence in the quality and standards of Cardiff's awards. Feedback in the recent National Student Surveys has also been very positive.



The student population is drawn from a variety of backgrounds, with students attracted from throughout Wales, the rest of the UK and world-wide. The University currently has around 25,000 undergraduate and postgraduate students and there is an almost equal balance between male and female students. International students comprise some 17% of the total student population. Government performance indicators show that students at Cardiff are more likely to succeed in their studies than students at most other UK universities. Currently, 95% of students successfully complete or transfer, better than many similar universities and better than the UK national average.

What the Guides say:

“Cardiff offers a compelling student experience: Russell Group research credentials, the full gamut of traditional undergraduate degree courses and relatively affordable living with hot and cold running nightlife on tap.”

Sunday Times University Guide

“Cardiff is a tip top uni academically... hugely popular with its students. Is Cardiff perhaps the best kept secret among Britain's universities?”

Virgin Alternative Guide to British Universities

“The University is as confident and forward-looking as the city it's located in, and has an excellent reputation for the quality of its teaching and research. Almost 60% of its research is ranked as world leading and it is a member of the Russell Group of leading universities.”

Guardian University Guide



Students have access to the latest IT facilities



Cardiff has a relaxed and friendly atmosphere



More online at:

www.cardiff.ac.uk/residences

Accommodation

Cardiff has always attached great importance to the provision of student accommodation and has invested heavily in recent years to provide some of the highest quality residences in the UK university sector. Most of the accommodation is located close to the academic buildings. All first year undergraduates (who apply during the normal admissions cycle) are guaranteed a place in university accommodation. There is a choice of catered or self-catered residences.

New residences have been built in recent years and many of the older ones have been refurbished to a high standard. The majority of the 5,300 study bedrooms have en-suite shower and toilet facilities and all halls of residence have computer network connection points.

Accepting an offer of a place at Cardiff University on a firm basis and completing your online Accommodation Request Form promptly increases the chances of your accommodation preferences being met. Full details of all University-owned accommodation are provided in the University Residences Guide.

Besides managing University property, the Residences Office maintains close links with the private sector and provides assistance to students seeking to rent or share houses or flats.

What the Guides say:

“Guaranteed accommodation in halls and houses for first years. Very high quality and relatively cheap.”

Equitable Student Book

Talybont Court, the University's newest residence



A typical study bedroom



There is a range of catered and self-catered accommodation available

Student Life

As a fast developing capital city, Cardiff is a great place to be a student. It's large enough to offer you an exciting variety of activities and entertainment, but small enough for you to feel comfortable in.

The Students' Union

Cardiff Students' Union is one of the biggest, best and most active in Britain. Solus, the Great Hall and the Taf are among the Union's major attractions. Solus is the students' own high quality nightclub, and is the second largest in South Wales. The Great Hall is a 1500 capacity venue for major concerts and the Taf Bar is the Union's very own 'local'. Other facilities include CF10, a café offering a variety of hot and cold food, a general shop and off licence, University bookshop, computer shop, a games room and video arcade, five full size snooker tables and twelve pool tables, satellite TV, banking and insurance services. The Union also has its own letting agency and Student Advice centre. It is also home to Xpress Radio (the students' own radio station), an award-winning student newspaper, and more than 150 cultural, political, religious, social and sporting societies.

Jobshop

The Unistaff Jobshop is a student employment service that provides casual, clerical and catering jobs around the University to hundreds of students.

Nathan Allen

President, Cardiff University Chemistry Society

The Cardiff University Chemistry Society is a combined academic and social society that seeks to engage all members of the school, be they undergraduates, postgraduates or members of staff. The regular social events help to promote frequent interactions between members of the School and in addition, there is an excellent support system in place that ensures students transition to life at Cardiff University is smooth and enjoyable. ChemSoc aims to provide something for everyone and our programme of events is always regularly attended by those in the school.

Elena Owen (BSc)

'Studying for my BSc in Chemistry at Cardiff University was a challenging but rewarding experience. The wide range of modules gave me a broad understanding of the subject, as well as plenty of opportunities to focus on the aspects which were of particular interest to me. The approachability of staff and the extensive selection of books in the library meant that help was always readily available. Having thoroughly enjoyed my undergraduate course, I decided to remain in Cardiff to further pursue my studies in Chemistry.'

Solus nightclub, the Union's state-of-the-art nightclub



The University has three sports centres

What the Guides say:

"Cardiff Students' Union is the biggest and best equipped in Britain."

The Independent

"Cardiff Students' Union is independently recognised as the biggest and best in Britain."

Equitable Student Book

"The Students' Union provides an excellent range of facilities, clubs and societies."

The Times Good University Guide

Studying Chemistry at Cardiff

The School benefits from a £14 million refurbishment, which provides students with outstanding facilities



Chemistry is an important and exciting discipline which plays a significant role across many areas of science as well as in everyday life. This importance is reflected in the Cardiff School of Chemistry, which is recognised as a modern, dynamic and innovative centre for teaching and research.

About 90 undergraduates are accepted each year. In addition, the School has around 30 taught postgraduate students and 100 postgraduate students undertaking research for higher degrees. The School offers MChem and BSc undergraduate degree programmes, taught MSc postgraduate programmes, and MPhil and PhD programmes by research.

The School is located in the Main Building immediately adjacent to the Science Library. It benefits from a £14 million refurbishment which provides students with outstanding facilities, including modern fully equipped and spacious laboratories. The School is conveniently located close to the Students' Union, city centre shops, attractive parklands and eight modern university residences.

The School is committed to providing teaching of the very highest quality. The curriculum and learning opportunities continue to be updated by research active staff, with input from both current students and industrialists. All the degree programmes have been approved by the Royal Society of Chemistry.

Meanwhile, the School's research activities bring benefit to society. Recent examples include involvement in catalysis, new materials and anticancer drugs, the design of imaging methods to help diagnose heart defects and new insights into renewable energy fuel cells.

The joint strengths of academic excellence within the School and extensive industrial contacts outside offer you a first-class training and a solid basis to your career.

All our Single Honours undergraduate degree programmes have a common curriculum over the first two years of study. Differences in module selection are introduced in years 3 and 4 to enable a significant amount of flexibility and a more informed career choice.

Degree	Title	Duration		UCAS Code
MChem Hons	Chemistry	4 years		F103
MChem Hons	Chemistry with a Year Abroad	4 years	Sandwich Programme	F102
MChem Hons	Chemistry with a Year in Industry	4 years	Sandwich Programme	F104

BSc Hons	Chemistry	3 years		F100
BSc Hons	Chemistry with Industrial Experience	4 years	Sandwich Programme	F101

Master Level Programmes (MChem)

The Master of Chemistry programmes (MChem) provide both a broad coverage of chemistry and in-depth study of selected key areas, and are designed for those who are considering a career in chemistry. The special feature of these programmes is the major research project in the final year, carried out in one of the many areas in which Cardiff has an active interest. Extensive details are available on the School's website. All three programmes have met the Royal Society of Chemistry requirements for accreditation, as providing a suitable breadth and depth of study appropriate for the Chartered Chemist (CChem) designation, following the necessary further experience in a relevant position in the profession.

MChem Chemistry (F103)

The MChem in Chemistry consists of four years of study entirely in Cardiff. The programme is built upon the strong platform of the common first two years and then delves into greater detail in the third and fourth years. This focus on specific areas of chemistry affords students an in-depth knowledge which is the sound basis for research and further study in a chosen area.

MChem in Chemistry with a Year in Industry (F102)

The MChem in Chemistry with a Year in Industry is common for the first two years with the MChem in Chemistry, but the third year is spent in an industrial laboratory. This includes a substantial independent project in an area relevant to the sponsoring industry. Some distance learning is also carried out to develop academic knowledge in essential areas. On return to Cardiff, the fourth year is partly undertaken with the MChem Chemistry students. Placements are competitively secured, often nationally but the process is managed by the School. These placements are chosen to ensure that each student gains a valuable experience and professional development, assisted by continued pastoral support and academic guidance through the personal tutor.

MChem in Chemistry with a Year Abroad (F104)

The MChem in Chemistry with a Year Abroad is similar to the MChem with a Year in Industry but the year is spent in an overseas university (recent examples have included Europe, North America and Australasia). This placement involves a major research project arranged through our wide network of research collaborators, as well as some distance learning as for the Industry programme. The final year will also follow the pattern of the Industry programme.

The programmes all involve a large practical work component



Bachelor Level Programmes (BSc)

The Bachelor of Science programmes (BSc) provide a broad coverage of chemistry suitable for those who want to progress to a career in chemistry or a related discipline e.g. teaching. It is also well suited to those who wish to use the framework of knowledge and skills obtained in a wider context, such as in business or in administration. All the BSc programmes have met the Royal Society of Chemistry requirements for recognition as providing a suitable basis of study appropriate for Associate Membership.

BSc Chemistry (F100)

The BSc Chemistry programme is a 3-year course, covering the essentials of the subject to allow further study, research or employment. It includes some opportunity for research, and provides a range of skills, both specific to chemistry and more general transferable skills essential to many other careers.

BSc in Chemistry with Industrial Experience (F101)

The BSc in Chemistry with Industrial Experience covers the same academic material as the BSc Chemistry, but includes an extra year in industry to give experience of work in the field. Students undertake paid work in a chemically-oriented organisation, to understand the chemical business, to develop chemical skills and also, importantly, to extend transferable skills. Placements are arranged in conjunction with the School and our industrial partners, and are chosen to ensure that each student gains a valuable experience and professional development, assisted by continued pastoral support and academic guidance through the personal tutor.

Students gain valuable training using current molecular modelling computer programmes



Programme Structure

The degree programmes are designed to provide the teaching, laboratory and other facilities, and pastoral care, to enable you to reach your full potential under each of the programme aims. You are expected to use this provision and the resources effectively, and take responsibility for your own development through the 3 or 4 years of study.

All programmes are modularised, and up to six modules (worth 120 credits in total) are taken in each of the two semesters. All modules contain an element of coursework assessment (practical work, workshops etc). Detailed module descriptions may be found on the School's website.

Teaching, Learning and Assessment

Teaching is undertaken through a series of lectures, tutorials, workshops and practical classes.

Lectures

A major part of the teaching provided by the staff is through lectures, typically 10-12 lectures weekly, each of 50 minutes duration. The subject matter is supported in various ways according to the nature of the topic, such as computer presentations, molecular models, computer graphics, handouts and course summaries. Much of this material is electronically available to students.

Laboratory Work

The second major part of the teaching consists of the practical classes, again typically averaging about 10-12 hours each week. In the first year, the emphasis is on basic techniques and simple but accurate recording of observations. In later years, this progresses towards substantial experiments requiring planning, analysis and interpretation of results, and reporting to a professional standard. Practical work is integrated into each core module in the first two years, and this provides experience in all the main laboratory procedures and techniques across Chemistry. The training through the various years is designed to extend each student steadily, ultimately reaching a standard commensurate to that of the degree being followed.

Computers in Chemistry

Cardiff makes good use of computing in its Chemistry degree programmes. Undergraduates are taught how to use the latest software and molecular modelling packages and it is expected that all submitted work should be professionally presented. This thread of science runs through the undergraduate schemes and sets the basis for the taught postgraduate MSc programme in Molecular Modelling. Excellent facilities to enable this are provided in the form of well-equipped computer suites around the university.



More online at:

www.cardiff.ac.uk/chemy

Small-group Teaching

Tutorial classes in small groups are given in each programme for the first three years spent in Cardiff to allow practice of the material presented in lectures, discussion and analysis, as well as the development of communication skills.

Workshops

The final method of teaching is through workshops. These take various forms in different parts of the curriculum, but are essentially opportunities to develop chemically related skills such as practising the use of important principles, and key skills in communication, presentation and debate. Workshops are attached to many of the modules throughout the 3 or 4 years of study, and they are particularly significant in modules designed to promote critical analysis, judgement and skills of oral presentation and argument.

Assessment

You are assessed by a combination of end-of-semester examinations and coursework assessment which includes practical work, workshops, and the research project.

In addition to the formal assessment, your practical reports and other coursework is marked and returned regularly with comments and advice, to assist you in making steady progress and improvement throughout the 3 or 4 years. Final degree classifications are based on the results of all years except the first, weighted so that the final year makes the biggest contribution.

Personal Tutors

At the start of your programme you will be assigned a personal tutor, who is a member of the academic staff. Personal tutors are there to advise on academic, non-academic and personal matters in a confidential manner.

This integrated personal and academic tutoring system provides better overall experience for our students. We aim to overcome any problems, however big or small, as quickly as possible. Some formal meetings between tutors and students are required and additional informal contact is encouraged. Where appropriate the tutor may direct you to a specialist advisor within the university.

Research Projects

All our undergraduate degree programmes have a major element of independent, supervised research. In the MChem Chemistry programme, this takes the form of a sextuple (60 credits) module in the fourth year, occupying about three days each week of both semesters. It includes planning, carrying out experimental work, analysis of results and reporting in a thesis. This project module is used to give students an accurate experience of what real research involves. Students often get a taste for research during this period and continue after their degrees to complete a PhD within the school.

Research activity is organised into a number of key areas: Chemical Biology; Heterogeneous Catalysis and Surface Science; Inorganic Chemistry; Organic Synthesis; Physical Organic Chemistry; Solid State and Materials Chemistry; Theoretical and Computational Chemistry.

Particular emphasis is placed upon breaking across the traditional boundaries within the chemical sciences, in order to facilitate interdisciplinary research. This variation and diversity is reflected in our portfolio of taught postgraduate programmes. Our research is underpinned by strong theoretical computational groups utilising state-of-the-art computing facilities for simulating chemical interactions and reactivity, and there are many other interactions between different subject areas. Staff within the School also collaborate extensively with colleagues in other Schools in Cardiff, in other academic institutions in the UK or abroad, and in industry.

Some particular instrumental strengths within the research school include techniques for surface science, X-ray crystallography, calorimetry, spin resonance spectroscopy and electroanalytical chemistry. Extensive utilisation is made also of national and international laboratories such as the neutron and synchrotron sources. Hence, experience of a wide range of modern and sophisticated equipment is offered to undergraduates as part of the research project. Many undergraduate projects lead to more substantial research themes and publications in scientific journals.

Students have access to a wide variety of equipment during practical and project sessions



Years One and Two

The first year ensures that you have a thorough basis for further study by consolidation and extension of previous experience in all aspects of the subject. The modules comprise of core chemistry and optional modules chosen from a range offered by chemistry or other disciplines. The optional modules are reviewed annually and updated where necessary to ensure that you are exposed to the latest developments in the subject. Optional modules therefore allow you to exercise choice over your studies and extend your breadth of experience.

The second year of all programmes is where the main development of core material occurs. All modules are core and cover rigorously and in detail central material across all of the main areas of chemistry. The various degree programmes diverge at the end of Year 2.

MChem Chemistry Programmes: Years 3 and 4

The MChem programme focuses in more depth on selected areas, developing the understanding and knowledge to a higher level than is possible in the BSc. There is a greater emphasis on analysis, synthesis and problem-solving and significant opportunities to develop transferable and professional skills needed for self-sufficient working as a

professional chemist. A substantial research project provides the opportunity to develop and demonstrate these higher skills in the form of research at the forefront of knowledge. In preparation for this project, the third year includes advanced experimental techniques and experience of critical analysis applied to chemical problems.

The MChem is available with the third year spent in an industrial organisation, or in a university abroad and thus provides an opportunity to experience the working practices and needs of industry or other cultural backgrounds. A research project forms a major part of the year away, and this is supplemented by 'distance learning'.

BSc Chemistry Programmes: Final Year

The final year of the BSc programmes continues the philosophy of the second year, covering in depth key areas of the subject. In each semester students are again able to exercise choice by selecting optional modules from a number of special topics allied to the research expertise and facilities within the School. Before Christmas, students complete a series of laboratory exercises requiring a professional level of reporting and in the second semester they undertake a research project.

Careers in Chemistry

Chemistry lies centrally between Mathematics and Physics on one hand and Medicine and the Life Sciences on the other. As a result, the range of careers open to graduate chemists is very extensive. Many enter work in the chemical industry, or in academic or government establishments. Others use the logical and practical training of a chemistry degree to enter the marketing, sales or management aspects of industry.

Further possibilities are in scientific journalism and publishing, and some graduates move into the finance-related professions. It is also very important that sufficient science graduates enter the teaching profession.

Analytical chemistry is important in environmental conservation, and chemical analysts are required in clinical and forensic laboratories and in quality control throughout the manufacturing industry.

All of our degree programmes represent a sound choice of study with a view towards a secure career either in the United Kingdom or abroad.

Case Studies

Alex Theodosiou PhD Graduate

Alex carried out his final year Masters project in a synthetic lab, designing and making novel Gadolinium complexes for use as contrast agents in MRI imaging.

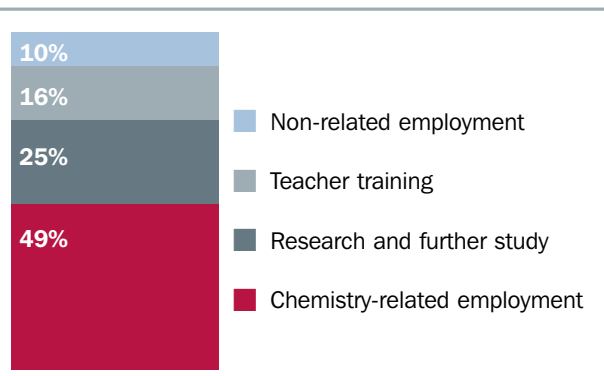
He then remained in Cardiff to complete a PhD in physical chemistry looking at the behaviour of nuclear grade graphite under ion irradiation as a means to simulate a nuclear reactor core. After graduating, Alex was employed by a semi-conductor manufacturer. Using his experience in materials research and ion irradiation to deposit thin metal films onto silicon wafers for such customers as Samsung and Intel who then use them to make super-fast transistors and intergrated circuits for use in your laptops, mobile phones, sat navs and many more modern gadgets.

Tom Edwards MChem with a year in Industry

My ambition was to work in the Pharmaceutical industry, therefore as an undergraduate, I wanted to gain valuable professional experience that came with the application of science in a real working environment. This would give me an edge on other students when applying for jobs after graduation. Whilst at GE Healthcare I worked in developing a diagnostic radiopharmaceutical for the visualisation of integrins such as $\alpha v \beta 3$ and $\alpha v \beta 5$ in specific diseases e.g. cancers. The experience gave me an insight to how blue chip companies work and instilled in me an array of transferable skills e.g. presenting to large audiences, ICT and problem solving skills. The distance learning provided by the school also means you don't get left behind when you come back into your fourth year.

April Marquick MChem with a year Abroad Student

During my year abroad, I studied in Montpellier whereby I worked as part of a team on a synthetic research project and gained valuable laboratory skills and confidence. At the end of the project, I gave a presentation and wrote a scientific report which is analogous to the final year MChem project students undertake upon returning to Cardiff to complete their degree. Furthermore, this experience opened my eyes to the rest of the world: history, art, language and culture from not only France but also the rest of Europe. I met people from all around the world, many of whom I am still in contact with today. Transferable skills, such as familiarity with a European language is valuable and so will allow you to stand out from the crowd upon graduation. I gained independence and diversity on an unforgettable journey that will continue to benefit me, and one that I fully recommend to others considering a year abroad.



Application

To be considered for entry onto the course you should apply online via the UCAS website using the 'UCAS Apply' facility.

To use this facility you need to log onto:
www.ucas.ac.uk/apply

The website will provide you with information on how to apply and explains the UCAS procedure.

Entry Requirements

Applications are considered from candidates offering a range of qualifications, the majority of applicants being A-level students. We expect a grade A in Chemistry for the MChem programme with at least two other good A-levels, one of which should be a science subject or mathematics. For the BSc programme, we expect a minimum grade B in Chemistry, with at least one other science subject at A-level. A third A-level subject is preferred, but a subject at AS-level will be considered. We also accept the Welsh Baccalaureate qualification but it must be in addition to two other science subjects one of which must be Chemistry.

Typical conditional offers will be AAB-ABB (340-320 points) for the MChem with an A in chemistry, and ABB-BBB (320-300 points) for the BSc with a B in chemistry, depending on subjects and other background attributes.

At least grade C in Mathematics at GCSE (or equivalent) is essential and it is normally expected that candidates would also have this grade in English.

Applications are welcomed from mature-age candidates and from those with ACCESS, AVCE and other comparable qualifications.

Preliminary Year Entry

Entry via a preliminary year is possible for those whose background does not include the usual range of scientific study. Three preliminary science subjects are studied and successful completion leads to entry to the first year of the various degree programmes. Potential applicants are encouraged to contact the undergraduate admission tutor for further advice before making a formal application through UCAS, which is made with Course Code F105.

Equal Opportunities

Cardiff University is committed to promoting equality and diversity in all of its practices and activities, including those relating to student recruitment, selection and admission. The University aims to establish an inclusive culture which welcomes and ensures equality of opportunity for applicants of all ages, ethnicities, disabilities, family structures, genders, nationalities, sexual orientations, races, religious or other beliefs, and socio-economic backgrounds. This commitment forms part of the Equality and Diversity Policy which is available at:

www.cardiff.ac.uk/cocom/equalityanddiversity/index

Applicants with Disabilities/Specific Needs

All offers to study at Cardiff University are made solely on the basis of academic merit. Where applicants have specific requirements that relate to a disability or medical condition, they are encouraged to discuss these with relevant staff in order that appropriate arrangements can be made to ensure the University provides an accessible environment. Specifically, applicants are invited to contact the Disability Adviser who can provide information about the applications procedure, course delivery and access to the physical environment. Where appropriate, informal visits can be arranged in which applicants can view accommodation and meet academic staff.

The Disability Adviser can be contacted at:

Student Support Centre
50 Park Place, Cardiff CF10 3AT
Tel/Minicom: +44 (0)29 2087 4844
Email: disability@cardiff.ac.uk

Deferred Entry

The School has no objection to the possibility of deferred entry provided the intervening year is spent in a positive and worthwhile way. Application is made through UCAS in the usual way, although the UCAS application must show the deferred year of entry.

School Contact

For information on applying and enrolling on an MChem or BSc programme, please contact

The Admissions Tutor,
Cardiff School of Chemistry
Cardiff University, Main Building,
Park Place, Cardiff CF10 3AT

Tel: 029 2087 4023
Fax: 029 2087 4030

Email: chemistry-ug@cardiff.ac.uk
www.cardiff.ac.uk/chemy



More online at:

www.cardiff.ac.uk/fees

www.cardiff.ac.uk/scholarships

www.direct.gov.uk

www.studentfinancewales.co.uk



Important information. Please read carefully.

The University offers the information contained in this brochure as a guide only. It does not constitute a contract and is not binding on prospective students, students or the University. While the University makes every effort to check the accuracy of the factual content at the time of publication, some changes will inevitably occur in the interval between publication and the academic year to which the brochure relates (Entry 2011). For example, courses, entry requirements and typical offers may have changed in line with market and student demand, and research development. Applicants should not therefore rely solely on this brochure and should visit the University website (www.cardiff.ac.uk) for up-to-date information concerning course content, accreditation, and entry requirements for the relevant academic year when considering applying to the University.

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Tuition Fees and Financial Assistance

The University charges an annual fee which covers all tuition fees, registration and examinations other than the re-taking of examinations by applicants not currently registered. Please note charges for accommodation in University Residences are additional.

Tuition Fees

Please see the following website for more information:
www.cardiff.ac.uk/fees

Scholarships and Bursaries

For more information please visit the following website:
www.cardiff.ac.uk/scholarships

Useful websites for information about tuition fees and financial assistance:

Cardiff University website:
www.cardiff.ac.uk/fees

Student Support Centre website:
www.cardiff.ac.uk/financialsupport/index.html

Welsh Assembly Student Finance web pages:
www.studentfinancewales.co.uk

Student Finance England:
www.studentfinanceengland.co.uk

Student Loans Company
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