



Cardiff University

Undergraduate Prospectus

Entry 2013

www.cardiff.ac.uk

THRIVE

AFFORDABLE

FRIENDLY

**EXCELLENT
CAREER PROSPECTS**

**UNIVERSITY FOR
ALL SINCE 1883**

CHOICE

INNOVATIVE



Are you ready to THRIVE?

www.cardiff.ac.uk/thrive

Discover the Cardiff Experience

A leading university . . .

- ▶ You'll be part of a Russell Group university – one of the top 20 UK research universities with global recognition.
- ▶ You can choose from more than 300 degree programmes. The Cardiff University degree is known and respected worldwide with a substantial number accredited by the professions and other external bodies.
- ▶ You'll benefit from outstanding teaching in a research-led environment. Our highly qualified staff include two Nobel Laureates and several Fellows of the Royal Society.



in an outstanding city . . .

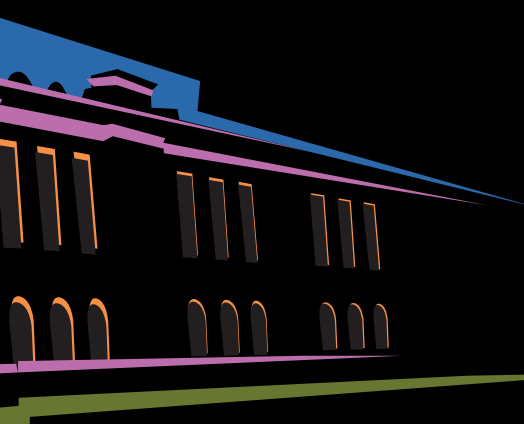
- ▶ You'll live in a friendly, compact and safe city with all your study, living and leisure needs within walking distance.
- ▶ Your money will go further at Cardiff with capital city attractions at provincial prices – including one of the lowest rates of all university cities for student accommodation.

with able and motivated students . . .

- ▶ You'll be at a university of first choice where demand for places is strong.
- ▶ You'll be studying in an environment with able and motivated students who have top grades at A-level or equivalent.
- ▶ You'll be at an international university with students from more than 100 countries.

who have excellent career prospects.

- ▶ You can be confident of your future – in 2010, 94% of our students were employed or had entered further study within six months of completing their studies.
- ▶ You'll be in demand – Cardiff is among the top 20 universities targeted by employers seeking high calibre graduates.



Open Day 2013

Wednesday 24th April 2013

Our undergraduate Open Day provides you with an opportunity to visit the University and see university life as it really is.

For more information about this and other visit opportunities please go online to our website: www.cardiff.ac.uk/opendays

Alternatively, you can contact the Open Day Office:

Tel: 029 2087 4455 Email: openday@cardiff.ac.uk

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Important information. Please read carefully.

The University offers the information contained in this Prospectus as a guide only. It does not constitute a contract and is not binding on prospective students, current 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 Prospectus relates. For example, courses, entry requirements and typical offers may have changed in line with student demand and research development. Applicants should not therefore rely solely on this Prospectus and should visit the University website (www.cardiff.ac.uk) for more up-to-date information concerning course content, accreditation, and entry requirements for the relevant academic year when considering applying to the University.

Tuition fees: Information about tuition fees and student support can be found on page 130 of this prospectus and also on our website at: www.cardiff.ac.uk/fees

Your degree: Students admitted to Cardiff University study for a Cardiff University degree, unless otherwise stated in the entry for a specific programme.

Welcome

Our reputation and your future

All universities have their own particular character – so it is important that you choose the one that is right for you.

This prospectus will help you make your choice by describing what it is like to be an undergraduate at Cardiff and explaining the various degree programmes, services and facilities.

However, a prospectus can only go so far, and the best way to gain a real insight into life at Cardiff University is to visit us. We hold an annual Open Day for the whole University and a series of smaller visit days.

When you visit, you will discover an attractive and internationally-renowned university whose students and staff are drawn from throughout the UK and world-wide.

Founded in 1883, Cardiff is established as one of Britain's leading universities. Highly regarded for the quality of our research, this creates a dynamic, innovative and stimulating environment for our teaching.

The University has large and successful academic schools in all the main subject areas, enabling us to offer a

wide range of degree programmes taught by a distinguished staff.

We have more than 5,000 modern, attractive and affordable residences and superb social and sporting facilities, which all contribute to the strong sense of community which is so characteristic of the University.

As a national capital, Cardiff offers a wealth of cultural, sporting and leisure facilities, and the proximity of the mountains, countryside and sea provides many opportunities for outdoor pursuits.

These factors all contribute to making Cardiff one of the most popular universities in the UK, so competition for places is strong and the standard of applications is high, with the vast majority of our students at their first-choice university.

Although most come to us with A-levels, we also welcome students with a wide range of alternative qualifications.

We wish you every success in your application and in your studies.



Graduate Success

Cardiff University graduates are among the most sought-after by employers – more so than their counterparts from most other major UK universities.

THE secret of Cardiff's success lies in the student experience itself, which places special emphasis on building the skills graduates need in employment - whether in the public or private sector, in academia, in a multi-national company or a small local business.

Consequently, a Cardiff degree carries great weight in the jobs market, as employers value the University's graduates for their academic ability, motivation and resourcefulness. As one of the UK's leading teaching and research universities, we prepare students for leadership and we are listed annually in the top 20 universities targeted by The Times Top 100 Graduate Recruiters.

Students benefit from a stimulating study environment, research-led teaching, and interaction with academics who are working at the frontiers of knowledge in their field. This all serves to encourage critical thinking and nurtures both self-reliance and teamwork - attributes which are highly valued by employers.

In addition to a dedicated professional careers service, whose services are explained on page 28 of this prospectus, the University has taken steps to embed employability into the student experience through a range of activity.

This includes a Career Management Skills Programme, which helps students articulate the skills they've gained at University to employers - more than 5,000 students attend this programme annually.



Our Student Enterprise Unit helps students considering setting up their own business or developing their entrepreneurial skills, and the flagship GO Wales programme annually places some 300 Cardiff students and graduates with employers to work on tailored projects. Around half are offered longer term employment with the employer.

Some of our degree programmes include a professional training year, while others provide alternative opportunities to develop the skills which employers seek. Meanwhile, the Cardiff University Research Opportunities Programme provides students with unique opportunities to sample live research and enhance their academic skills.

With employability integral to the student experience, it is no surprise that employers welcome Cardiff graduates with such enthusiasm.

Percentage of graduates, from Russell Group Universities, obtaining first degrees in 2010, who were in employment or further study six months after graduating:

Edinburgh	94.5
Newcastle	94.3
Cardiff	94.1
Cambridge	93.6
Bristol	93.4
Liverpool	93.0
Glasgow	92.9
Leeds	92.6
Nottingham	92.6
Sheffield	92.5
Queens University Belfast	92.5
Kings	92.2
LSE	92.1
UCL	92.0
Manchester	91.5
Southampton	91.4
Imperial	90.9
Birmingham	90.6
Oxford	90.2
Warwick	90.1

Source: HESA



“Cardiff students demonstrate the talent, motivation and enthusiasm that employers are seeking.”

*Paul Davies – Partner, Macfarlanes LLP,
UK/International Law Firm*

A Capital City

Cardiff is a thriving and attractive city which is widely recognised as an outstanding place in which to live and study. It combines all the advantages of a compact, friendly and inexpensive location with the cultural and recreational facilities of a modern capital city.



The University is surrounded by attractive parkland and is adjacent to Cardiff Castle and the city centre

CARDIFF caters for all tastes, offering everything from the excitement of the city to the peace and tranquility of the nearby coast and countryside. Such is the quality of the 'Cardiff experience' that in a survey a large majority of students said they would like to stay and live in the city after graduating.

A city with character, heritage and ambition

Cardiff has a distinctive character, a good quality of life, and a growing national and international reputation. It hosts the Rally of Great Britain, the Singer of the World competition and numerous other major events, including Britain's largest free summer festival. As the capital city of Wales, it is home to many national institutions including the National Museum and Gallery of Wales and the much-admired Millennium Stadium, home of Welsh rugby. The city skyline is testimony to its heritage and ambition, with landmark buildings ranging from the historic Cardiff Castle to the iconic Wales Millennium Centre.

Cardiff has been labelled 'Europe's Youngest Capital', but its history dates back more than 2,000 years to the Romans. It was once one of the busiest ports in the world, exporting the coal which fuelled the industrial revolution. The famous Tiger Bay docklands have been substantially transformed into Cardiff Bay, a modern development of homes, shops, offices, visitor attractions, and the National Assembly for Wales, all surrounding a huge freshwater lake. Cardiff was proclaimed a city in 1905 and half a century later it became the capital city of Wales.



Cardiff is a lively and friendly city

Satisfying student needs

When it comes to entertainment, Cardiff is well-equipped to satisfy student needs. There is a multitude of cafés, pubs and, for those who can tear themselves away from the Students' Union, nightclubs. Concerts to suit all tastes are held at the world-class Wales Millennium Centre, the Motorpoint Arena and St David's Hall, as well as the Students' Union's Great Hall. Meanwhile, the University Concert Hall provides venues for classical music lovers, with regular recitals and concerts. The world-acclaimed Welsh National Opera is based in Cardiff, while for those who prefer drama, Cardiff has two thriving theatres and a large well-established arts centre. There are also comedy clubs and several multi-screen cinemas in the city centre.

Cardiff is the location for award-winning television productions including Dr Who, Sherlock, Torchwood and Casualty; and the BBC's Dr Who Experience in Cardiff Bay is a popular new attraction.

The city is one of the UK's best shopping destinations, a status enhanced by the opening of the £750 million St David's Dewi Sant retail centre, with its 100 stores, standing alongside pedestrianised shopping streets, indoor and outdoor markets and a fascinating network of glass-canopied Victorian and Edwardian shopping arcades. Cardiff was the world's first Fair Trade Capital – a path since followed by London, Edinburgh, Rome, Brussels and others, encouraging ethical trading and fair prices for producers in third world countries.

"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

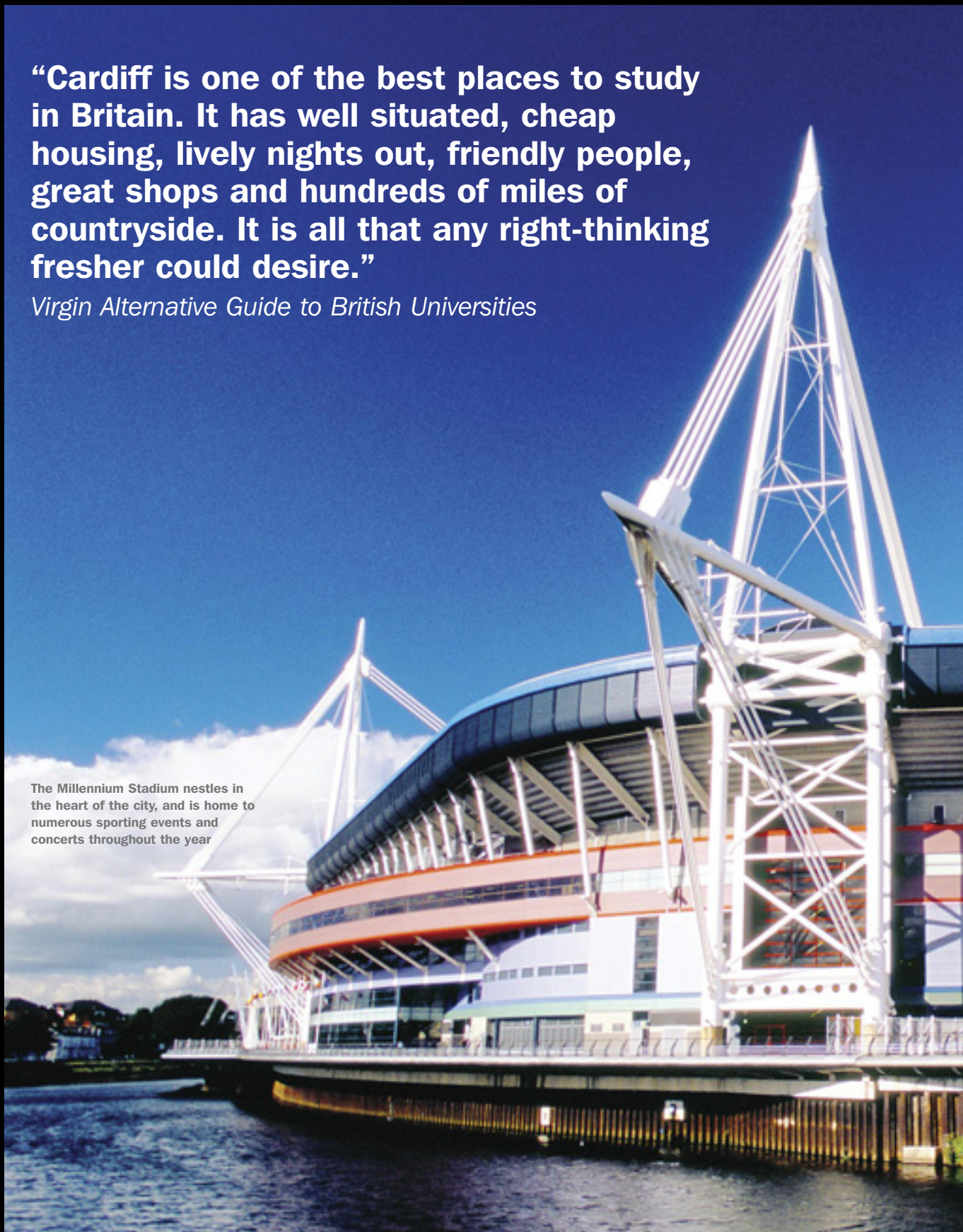


Cardiff Bay, the city's waterfront, with a mix of shops, leisure and visitor attractions

“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

The Millennium Stadium nestles in the heart of the city, and is home to numerous sporting events and concerts throughout the year



More online at:
www.visitcardiff.com
www.cardiff.ac.uk
www.cardiff.gov.uk



The surrounding countryside and coast offer superb opportunities for outdoor pursuits



Relaxing in one of the city's many green spaces



Cardiff has a multitude of cafés, bars, pubs and clubs

Cardiff has more urban green space than any other UK city. Its 330 parks and gardens reach right into the heart of the city, with extensive areas of peaceful parklands and gardens close to the city centre and University. The surrounding countryside offers magnificent scenery and opportunities for all kinds of outdoor pursuits such as hiking, rambling and rock climbing. The Gower Peninsula, Brecon Beacons, Wye and Usk valleys are all nearby, as are attractions such as Caerphilly Castle and Castell Coch.

You can also enjoy nearby seaside resorts or travel a little further west to experience the beauty and dramatic scenery of the Heritage Coast.

Cardiff is one of the UK's major sporting centres with facilities and events to please both competitors and spectators. The Millennium Stadium hosts major events throughout the year, notably international rugby, and the special atmosphere in the city on the day of an international match is not to be missed. The new 27,000-seat Cardiff City Stadium is home to

Cardiff's professional soccer and rugby teams, while first class cricket (including international test matches) is played in the heart of the city at the SWALEC Stadium in Sophia Gardens. Cardiff Bay offers an ice rink – with top level professional ice hockey – and a 50m swimming pool, as well as the first on-demand white-water rafting and canoe centre in the UK. There are also plans for a real-snow ski dome and sports arena as part of the International Sports Village.

Athletes and their supporters have the use of the Welsh Institute of Sport and the National Athletics Stadium. Soccer, rugby, hockey, squash, tennis and swimming are provided for between the city and University, while rowing, sailing, ice skating, parachuting, speedway, canoeing and many other sports are available within easy travelling distance.

When not enjoying the great outdoors, there are numerous museums, including the National Museum and Gallery (alongside the University); Techniquest, one of Britain's most successful hands-on science centres,

and the acclaimed St Fagans National History Museum.

Lively, elegant, confident, cosmopolitan and ambitious are all words readily used to describe modern-day Cardiff. It is a thriving city with a proud heritage and a bright future. Together, the city and University provide students with the 'Cardiff Experience', a lifestyle you'll remember long after graduation.

Don't just take our word for it

"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 is the epitome of cool, pulsing with a creative energy and relaxed atmosphere that complements its youthful heritage."

The Lonely Planet

Cardiff is one of the most cost effective cities in the UK in which to live.

NatWest Student Index 2010

Cardiff is one of the top 10 safest cities in the UK.

Complete University Guide 2011

Come and see for yourself...

Cardiff benefits from excellent road and rail links with Britain's other major 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 instance, takes only two hours. The main coach and railway stations are both centrally placed, and Cardiff also has an international airport.



The Wales Millennium Centre is a world-class venue for the arts

A Leading University

Cardiff University has an international reputation for excellence, built on a history of service and achievement since 1883. With an attractive civic campus in a magnificent location, it offers a huge choice of flexible degree programmes, excellent facilities and superb accommodation.



More than £200million has been invested in the University estate in recent years



A successful university with an international reputation and a huge choice of degree programmes with flexible structures.

If you would like to study at a successful, vibrant and cosmopolitan university with an international reputation for high quality teaching and research, then Cardiff University has a great deal to offer.

If you also want a wide choice of degree programmes, outstanding study, support and leisure facilities, as well as strong employment prospects upon completion of your degree, Cardiff merits a very close look.

Our attractive and compact campuses, excellent student accommodation, a hugely popular Students' Union, all within easy walking distance of each other in a thriving city, combine to make Cardiff an ideal environment for you to make the very most of being a student.

With all these advantages, it is not surprising that Cardiff is a university of first choice among well-prepared applicants. We have an almost equal split between female and male students and between the main subject groups.

We admit approximately 4,500 undergraduate entrants each year, the very large majority of whom are school and college leavers, half with A-level grades AAB or equivalent. While competition for entry is strong, Cardiff is an inclusive university with a good record on widening access and increasing participation, and we welcome applications, irrespective of background, from everyone with the potential to succeed at Cardiff University.

The structure of our degree programmes is a particularly attractive feature of the University. In many cases you can delay your final choice of degree subjects until the end of your first year. This is a tremendous advantage, particularly if you are undertaking a degree programme in a subject



There is an almost equal balance between students studying the main subject groups



Graduation Day

“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

that you are not already familiar with. In other areas of study, the range of options is such that you can effectively tailor your degree programme to suit your particular interests and career ambitions. In some degree programmes, successful completion of your degree will earn you partial or complete exemption from professional examinations.

Many of our degree programmes benefit from a significant vocational and professional content, while others offer you the opportunity for a period of attachment to industry to gain experience and expertise. Opportunities are also available for a period of study in Europe as part of the Erasmus exchange programme. Our International Office can help you take full advantage of the University’s links with well-established universities in 20 European countries, as well as exchange opportunities in countries further afield.

All modern language degree programmes are of four years’ duration and include a year in the relevant European country. Other degree programmes include a foreign language element. All students have the opportunity to study a language in addition to their degree through the University Language Service.

The University’s Cathays Park campus is located in and around the impressive Portland stone buildings, parks and wide tree-lined avenues that form Cardiff’s attractive civic centre. The majority of academic schools are located here and it has the advantage of being only a few minutes’ walk from the city centre. The four academic schools offering healthcare courses (excluding Optometry and Pharmacy) are based at the Heath Park campus, approximately one mile away.



Teaching is of the highest standard and utilises state-of-the-art equipment



Students have access to a wide range of modern facilities including Skype booths



Many degree programmes benefit from a significant vocational and professional content

This site is also home to the University Hospital of Wales and provides an ideal environment for teaching healthcare professionals in a modern clinical setting.

Although dating from 1883, Cardiff is focused on the 21st century, and has modern state-of-the-art buildings and facilities. The University has invested substantially in its estate in recent years. The majority of academic schools have benefited from major refurbishment including the provision of new and well-equipped laboratories, lecture theatres, libraries and computing facilities. The latest developments include a £4million extension to the School of Biosciences and the £16million Cochrane Building, providing a new

Medical Education Centre at the Heath Park Campus. More state-of-the-art centres are under construction on the Maindy Park campus – already home to the stunning Cardiff School of Optometry and Vision Sciences building.

The University takes its environmental, safety and security responsibilities very seriously. It has recently introduced a comprehensive Energy, Water and Waste Policy, which is already making great savings in energy consumption, helping Cardiff meet the challenges of climate change. To support the safety and security of all members of the University community and their property, there is 24-hour security cover throughout the campus.

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

“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

“[Cardiff is a] world class, research-intensive university.”

Daily Telegraph Guide to UK Universities

*... take full advantage
of the University’s links with
well-established universities
in 20 European countries ...*

The Heath Park Campus

Study in a multi-professional healthcare environment.



A state-of-the-art virtual radiography suite has been commissioned by the School of Healthcare Studies

THE academic schools based at the University's Heath Park Campus share a 53-acre site with the University Hospital of Wales, a 920-bed hospital which is the third largest in the UK. Progressive healthcare education and patient care are successfully integrated with world-famous research facilities in this major teaching and research centre.

The academic staff, many of whom are acknowledged international experts in their particular field, provide valuable clinical services to the people of Wales and further afield. The University has close relationships with general and specialist hospitals and other healthcare institutions across Wales, allowing students to obtain excellent clinical experience in different environments, both urban and rural, in hospitals and in the community. Naturally, the University's closest links are with the Cardiff and Vale NHS Trust, which incorporates the University Hospital of Wales, and which also has responsibility for community health services. This arrangement is important, as not all clinical experience is hospital-based. The University places great emphasis on teaching in the community and primary care settings, with some students being attached to general practices and community clinics.

Undergraduate degree programmes, diploma or certificate courses are available at the Heath Park Campus in virtually all of the professions underpinning the National Health Service including Dental Hygiene and Dental Therapy, Dentistry, Medicine, Nursing, Midwifery, Occupational Therapy, Operating Department Practice, Physiotherapy, Radiography and Radiotherapy. (Optometry and Pharmacy are available at the Cathays Park Campus.)

Location and Facilities

The Heath Park Campus provides an excellent range of teaching facilities from its location alongside 100 acres of parkland and playing fields.

Within the main hospital building are four medical lecture theatres and the great majority of medical academic departments. The Dental School and Hospital, opposite the main building, house the dental academic departments, 130 operating surgeries, two lecture theatres and has one of the few separate dental libraries in the country. Cardiff School of Healthcare Studies also has its own 23,000-volume library, lecture theatres, plus a computer laboratory and the Clinical and Communication Skills Laboratories. Cardiff School of Nursing and Midwifery Studies provides teaching facilities on the Heath Park Campus, at Eastgate House in the city centre, and at other locations throughout South East Wales.



The new Health Library at the Heath Park Campus

The striking new Cochrane Building provides an outstanding range of facilities including a three-storey library, clinical skills and simulation laboratories and seminar space.

Residential accommodation is available in halls of residence on the hospital campus. There is also a range of support services on-site which include confidential counselling, welfare advice and disability support. Students have access to the hospital's Occupational Health Service and also the interdenominational chaplaincy service. Relaxation is provided on campus at the Sports and Social Club's swimming pool, therapy suite, fitness suite, squash and badminton courts and large sports halls. In addition, the recently opened IV Lounge incorporates a deli bar and provides an ideal place to meet between lectures.



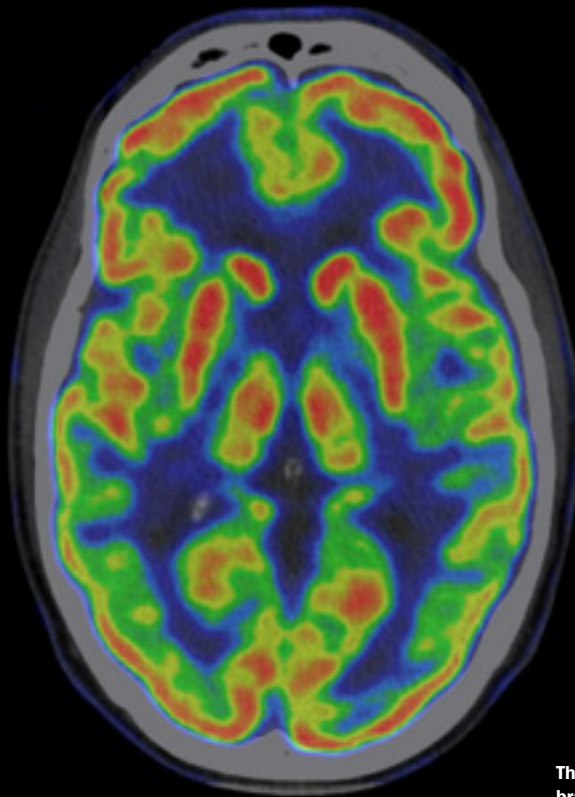
Courses in virtually all the healthcare professions are offered at the University



The new £18million Cochrane Building provides an outstanding range of facilities including a new library, clinical skills and simulation laboratories, and seminar space

Serious Brain Power

Cardiff University is a member of the Russell Group – the UK’s “Ivy League” of leading research universities, and has world-class staff who are pushing back the frontiers of human knowledge to solve the big questions facing mankind in the 21st century.



The University is a global leader in advanced brain imaging technology

THEIR work is making a real difference in the world – from helping to overcome environmental challenges, and improving the lives of individuals to developing our understanding of what it is to be human.

In 2010, Cardiff set a new record for research grants won - at just under £150million, and the latest independent assessment of research quality rated almost 60 per cent of all research at Cardiff as world-leading or internationally excellent – the top two categories of assessment.

Remarkably, 33 out of 34 research areas submitted by the University for assessment by independent expert panels are shown to include work that is “world-leading in terms of originality, significance and rigour”.

This research excellence has a direct benefit to undergraduate students, who are able to study in a vibrant, research-intensive environment and interact with leading scholars in their field.

Cardiff’s research embraces all aspects of the human and natural world.

Our health and bioscientific research embraces laboratory science through drug development to major clinical trials - a “bench to bedside” strategy embodied in our flagship Research Institutes.

Meanwhile, Cardiff researchers are bringing direct improvements to ecosystems around the globe, and instruments designed here are probing the furthest reaches of space as well as the ocean floor and beneath the earth’s crust.

Research into climate change is complemented by work to find sustainable alternatives to industrial processes and energy production, while our computer scientists are delivering innovation in fields such as telecommunications, biodiversity management and engineering design.

Cardiff was ranked first in the UK for both social sciences and city and regional planning in the latest assessment. Cardiff experts in these fields, along with colleagues in archaeology, architecture, business, law, politics and the humanities, make up one of the UK’s greatest concentrations of expertise on human society.

This breadth and depth of expertise puts us in demand with policy-makers at home and abroad in areas ranging from health inequalities to maritime safety.

Excellent Teaching

At Cardiff, teaching and learning take place in a research environment in which students benefit from interaction with researchers who are working at the frontiers of knowledge in their disciplines.

THIS has contributed to our high quality of teaching which has received robust endorsement from the Quality Assurance Agency for Higher Education whose audit confirmed that prospective and current students, parents, teachers and graduate employers can continue to have every confidence in the quality and standards of Cardiff's awards and provision. The feedback from the latest National Student Survey is also very positive and indicates high overall levels of satisfaction among our students.

Research is undertaken throughout the University and this creates a stimulating environment for study. As active researchers, our academic staff are enthusiastic and committed, and this generates an exciting and vibrant learning community. Research is about the spirit of enquiry. It encourages critical thinking and highlights the provisional nature of knowledge. It encompasses the acquisition of high levels of subject specific and generic skills and nurtures both self-reliance and teamwork. These are all attributes valued by employers and which the learning opportunities at Cardiff seek to encourage and develop in students.

The Cardiff research culture impacts progressively on students. In the early stages, students are given a flavour of the research activities in their subject. As they progress, students participate increasingly in learning activities which are influenced by staff research and scholarship. For example, there may be option modules offered in areas of particular staff research interest. Case studies or experiments used in class may derive from live research projects. Learning activities may be offered which develop and test the techniques and skills of research and scholarship at a level appropriate to undergraduate work, for example through project or dissertation work.

Degree Structure

Degree programmes at Cardiff operate on a modular structure, with the exceptions of medical and dental degrees. In a continuing effort to offer students the best possible educational experience, the University keeps its degree structures under review. Consequently, variations to the current systems may be introduced in the future.



The University has extensive state-of-the-art laboratories to support its teaching

Cardiff University Research Opportunities Programme

This programme provides undergraduate students with unique opportunities to sample live research, enhance their academic skills and make a more informed decision on furthering their research at postgraduate level. The programme provides funding to participate in the research activity of the University through extra-curricular projects linked to staff research interests. Students are typically engaged for periods of eight weeks during the summer to work on particular projects.

Further information about this programme is available on our website at:
www.cardiff.ac.uk/learning/projects/CUROP/cuorp.html



"Guiding Light" – the University's research vessel. Field work forms an important part of several degree programmes

Postgraduate Programmes

Cardiff University has a thriving postgraduate community. Further information about postgraduate study can be found on our website at: www.cardiff.ac.uk/postgraduate

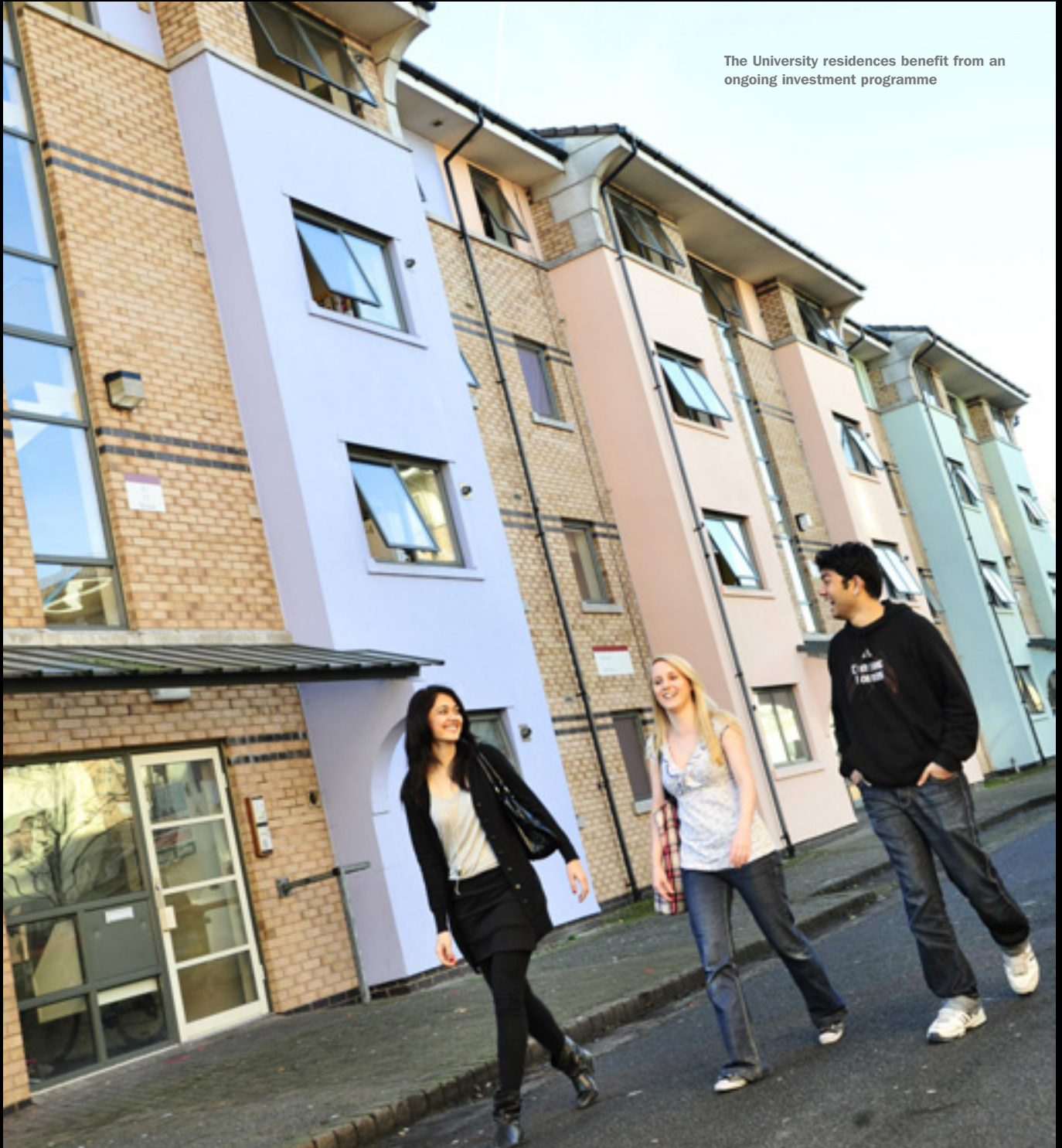


Nobel Laureates Sir Martin Evans (above), and Professor Robert Huber are among the University's distinguished staff

Living in Cardiff

Guaranteed University accommodation. Outstanding quality and value. A range of residences to suit individual preferences and budgets.

The University residences benefit from an ongoing investment programme



FOR the majority of students, going to University will mean living away from home for the first time. Settling in quickly and making new friends are important first steps of university life. Our advice to most undergraduate students is that they should live in a University residence for their first year of study, whether it be a Student House or Hall of Residence. University residences provide an opportunity to meet and get to know students from a variety of backgrounds, studying a range of different subjects.

A Guarantee of Accommodation

All undergraduates who apply during the normal UCAS admissions cycle (i.e. come to Cardiff as a firm or insurance applicant) are guaranteed a single occupancy place in University residences during their first year of study. This offer is not extended to a small number of students who apply outside of the normal UCAS admissions cycle. However, we will make every effort to find suitable accommodation, either in University residences or in the private sector.

A Range of Residences

The University is continually investing in its student residences and protects this investment with extensive annual maintenance programmes. When designing the residences we have paid particular attention to the views of the students themselves. Unusually for a civic university, most of the residences are within easy walking

distance of lecture theatres, libraries, laboratories, the Students' Union and the city centre.

With 14 different residences, providing in excess of 5,300 study bedrooms, Cardiff's students can apply for the residences which best suit their particular preferences, interests and budgets. 70% of study bedrooms have their own en-suite shower and toilet facilities and all study bedrooms (except in student houses/flats) have University computer network connection points.

A Choice of Residences

Self-catered residences provide facilities to enable you to prepare your own meals according to your timetable, tastes and budgets. Residences with a catering option offer an evening meal only (part-catered) or breakfast and evening meal (catered - female only). All catering options offer vegetarian meals and facilities to make snacks and hot drinks. Whether through catered, part-catered or self-catered residences, the University offers a wide range of choices and seeks to meet preferences as far as possible.

Applying for Residences

Once you are made an offer to study at Cardiff University, you will be sent details of how to apply for a place in University residences online. If you accept our offer of a place to study at Cardiff on a firm basis you will be given the highest undergraduate priority in the allocation of University residences.



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

What the Guides say:

"The University can accommodate all first years. Rents are among the lowest in the UK, according to a National Union of Students Survey."

Times Good University Guide

"Places in halls guaranteed for 1st years; good standard and reasonably priced."

Daily Telegraph Guide to UK Universities



All study bedrooms in the Halls of Residence have computer network connection points



A typical kitchen in a self-catered student residence

The Residences Office

In addition to allocating University residences, the Residences Office also offers help to students seeking private sector accommodation by maintaining regularly updated lists of shared houses and flats which are available for rent. Advice on tenancy agreements and other aspects of living in private sector accommodation is available from the Students' Union Advice and Representation Centre. Students seeking private accommodation are strongly advised to visit Cardiff before the start of the session, as it is not advisable to arrange such accommodation either by post or telephone. Low cost accommodation for your visit can be provided during the summer period in one of the University's Halls of Residence.

Residences for Couples and Families

Cardiff University has a very limited supply of residences suitable for couples and families. We are therefore unable to guarantee this type of residence and priority in the allocation process is given to students coming from overseas for the first time. All students living in such residences are expected to seek alternative accommodation for subsequent years as the period of residence cannot be extended beyond the first year. Students seeking couples/families accommodation are strongly advised to secure suitable accommodation prior to their arrival in Cardiff.

Affordable Residences

Residences fees depend on a range of features, such as facilities within the residence or study bedroom and whether residences are catered, part-catered or self-catered.

The fees compare very favourably with those of other UK universities. Typically, a study bedroom in catered residences costs approximately £100 per week. A place in self-catered residences currently costs between £68-£95 per week (all figures quoted at 2011/12 prices). The cost for the academic session 2013/14 will be confirmed during 2013.

Your money will go further

"Cardiff is one of the most cost effective cities in the UK in which to live."
Natwest Student Index 2010

You'll be in an affordable city where rental accommodation for students is amongst the lowest in the UK.
Association of Residential Letting Agents

Safe

You'll be in one of the top 10 safest student cities in the UK.
Complete University Guide

Further Information

For further information please visit our website:
www.cardiff.ac.uk/residences

Alternatively a guide containing more detailed information is available online at:
www.cardiff.ac.uk/pubs/ug

You can also request a copy by email, using the following address: **enquiry@cardiff.ac.uk**



Some of the residences have on-site social and sports facilities

Student Voices

Cardiff University students are drawn from throughout Wales, the rest of the UK and from more than 100 overseas countries.

"I chose Medicine for a number of reasons: a love of science, an interest in people and a desire for a socially conscious and challenging career. The first two years of the course has really cemented and encouraged my decision. Cardiff is a vibrant, cosmopolitan and exciting city, whilst still managing to be friendly and welcoming. However, the beautiful Welsh countryside is not too far away! Over the past year, I have become involved with SKIP Cardiff, a medically-orientated, student-run charity which helps mentally and physically disabled children in Belarus. I spent last summer working at an orphanage there where facilities for disabled children are virtually non-existent. I found this experience immensely rewarding and insightful while also giving me some practical and hands-on experience."

Ursula White Medicine

"I looked at many universities across the UK but few met the standards of Cardiff University. Being recognised as one of the UK's major universities and renowned in my home country of Kenya – I knew that Cardiff was the university for me. The lectures in Cardiff are interesting and the teaching staff are always willing to help. Living in Cardiff has been a great experience for me. The city is very friendly, safe and cheap compared to other UK cities. It's also a very exciting city and there is always something interesting to do."

John Nyagi Computer Systems Engineering

"I chose Cardiff because it has a fantastic reputation for law and is respected among many practitioners. The city itself has an amazing student atmosphere, is safe, lively and relatively cheap. Every year I have tried something new, from kickboxing to ultimate Frisbee! – the University has societies and sports clubs to suit all tastes! When I graduate I want to forge my professional life here."

Carys Murphy Law

"Cardiff is the perfect student environment – there is always something to do. There's an abundance of clubs, pubs and bars with almost every night being a student night somewhere. Cardiff Bay provides the option for a change from the usual student scene with a variety of restaurants, bowling, the cinema and live music, theatre and dance at the Wales Millennium Centre. Before uni I took a gap year and travelled. This fuelled an interest to study societies, cultures and the inequalities that exist, so Social Sciences was the perfect option for a degree."

Scott McKenzie Sociology



"I was really taken aback with Cardiff's achievements. Once I had spoken to students studying here I had no doubt that Cardiff was for me. I knew that I would be going to one of the best universities and Cardiff Business School has now been ranked the 4th best in the UK for research. The teaching is also really good! I have joined a society called the Two Enterprise Society. We run our own business selling bottles of water. The funds raised help provide clean drinking water in Africa. Participating in societies like this is not only really good fun but you can put the theory you learn into practice and it looks great on your CV!"

Hayley Robson Business Management

"I came to uni as I was bored with the job I was doing at the time and wanted a new challenge and direction. I chose Psychology as I thought it would be a very interesting subject and can lead to pretty much all areas of employment. I chose Cardiff in particular, not only because it was rated very highly in the league tables but also because the research here is cutting edge, the lecturers are interested in what they teach and therefore interesting to listen to. Also, everyone I knew who had been to Cardiff loved it. I am part of the volleyball club and play football for the Psychology team - Psycho Athletico. I am also attempting to learn Spanish through the Lifelong Learning Centre!"

James Burney Psychology



Student Services

With 1.3million books, a high speed IT network with wireless access, purpose-designed study facilities and a comprehensive student support service, we make sure that you are well supported throughout your time at Cardiff.



Information Services

Information Services provides IT, library and media services to support the research, learning and teaching needs of Cardiff University's students and staff. With conveniently located libraries and IT rooms (some open 24 hours a day, seven days a week), easy access to printed and online information resources and almost 2,500 individual and group study spaces, Information Services provides the resources and facilities you need to help you succeed during your time in Cardiff.

Your University username and password enable you to access online services including email, the Internet, eJournals, eBooks, and the library catalogue. You will also have access to our enhanced virtual online learning environment, where you are provided with online support for learning, studying and collaboration. These services can be accessed both on- and off-campus through the University's portal, or via the University mobile app – which also contains calendars, campus maps, PC availability information and access to email and library services.

You can easily locate resources for your assignments, check your library borrowing, renew loans and reserve items using the online library catalogue (and its mobile app). The libraries provide access to over 1.3million printed books, 21,000 journals, and an extensive range of rare and historical books in all subjects.

Our libraries provide self-service lending and access to photocopying and IT services. We provide multiple copies of recommended text books on reading lists and have long opening hours, including evenings and weekends.

Modern IT Facilities

A University-wide wireless network, which is available free of charge, offers you flexible access to online resources. Our network also provides you with access to a wide range of networked software applications and collaboration tools to support study and research.

Libraries

Our modern libraries are conveniently located close to the academic schools. They are welcoming, comfortable, and offer a wide range of information resources in print and online. We aim to provide a flexible study and research environment, with study spaces to suit all learning needs. Our new Health Library, opened in 2011, has group study and quiet rooms, as well as social and individual spaces.

Support and Knowledge

Early in your course, you will be given an introduction to the services that we offer. Our approachable staff are experts in their field and always available for advice. You can also chat online with a member of library staff through our 'Ask A Librarian Live' instant messaging service, which can be found on the Information Services website.

Printed and web-based guides are available to help you explore our services. A programme of workshops, seminars, and training courses also enable you to make effective use of the resources available.

Our IT Service Desk can be contacted by phone, email or in person for help and advice with using IT. Our IT Clinic in the Students' Union can also provide you with advice on a range of IT issues.

Student Support Centres

Student Support Centres are provided on both the Cathays and Heath Park Campuses.

The purpose designed Centres house our Advice and Guidance, Counselling, Financial Support, and Disability and Dyslexia Services.

Advice and Guidance Service

Advisors can provide confidential advice and help to students on a wide range of personal, financial, academic and general welfare issues, including financial entitlements specific to healthcare courses.

International Student Support

Specialist advisors are available for international students to provide information and support with regards to visa and immigration matters.

Counselling Service

The service offers confidential counselling to students who may be feeling distressed or anxious and wish to discuss matters of a personal or emotional nature. Counselling is provided on an individual or workshop basis and is supported by self-help material. The Counselling Service works to the British Association for Counselling and Psychotherapy ethical framework.

Disability and Dyslexia Service

Advice and support is provided to prospective and current disabled students. The team can assist with applications for the Disabled Students' Allowance (DSA) and liaise with academic staff to ensure that their needs are met. The Service offers a range of support for disabled students including study skills tuition and a support worker programme, the service also houses the Assessment Centre which provides Disabled Student Allowance (DSA) needs assessments. The Assessment Centre works to the DSA Quality Assurance Group quality criteria.

Financial Support Service

The University provides a range of financial support to help students who face unexpected financial difficulties while at University. These include the Financial Contingency Fund which students from the UK can apply to for additional help with the costs of their studies. We also have a University Hardship Fund and administer a number of funds, which pay scholarships to a small number of our students, for outside trusts and charities. The University also provides a range of bursaries and scholarships. Please visit the following website for more information:
www.cardiff.ac.uk/scholarships

Day Care Centre

Our Day Care Centre can provide crèche facilities for children aged 10 weeks to 5 years. The centre is open from 8am to 6pm, Monday to Friday. Early application is advisable as places are limited. Fee information can be found on our website and you can contact the Student Support Centre to discuss any help with costs that you may be entitled to.

Health Centre

The centre supplements the service provided by your General Practitioner. It is staffed by doctors and nurses and is open from 9am to 4.30pm, Monday to Friday, with a restricted service available during recesses. The centre does not provide a GP service, so it is essential that you register with a local GP to provide access to a 24-hour medical service. A list of local GPs is available on our website. An Occupational Healthcare service is also available.

Eye Clinic

Cardiff School of Optometry and Vision Sciences operates an eye clinic which is open to students who wish to have their eyesight examined.

University Chaplaincy

The University is served by a chaplaincy that is inter-faith in its outlook. Three full-time Christian chaplains and one Muslim chaplain are present on campus, and they work closely with representatives of all the major faiths in Cardiff.

Further information

For further information please visit the websites listed above or contact the Student Support Centre:

Email: studentsupportcentre@cardiff.ac.uk

Tel: (029) 2087 4844

"Student support is extremely effective, includes advice centres and student development unit, excellent careers service."

Trotman Student Book



The University has its own health service, providing treatment that is confidential and free of charge. Day care facilities are available to the children of students



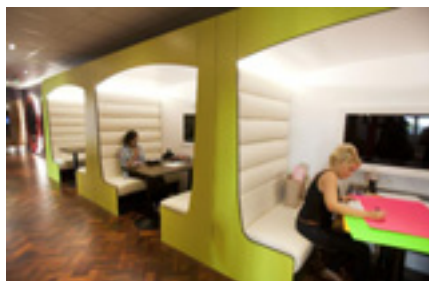
Students' Union

Our Students' Union is one of the biggest, best and most active in Britain. Run by students for students, it offers an exciting programme of entertainment, diverse clubs and societies and a comprehensive range of welfare, advice and information services. The Union provides for all aspects of student life within a purpose-built complex.





The Jobshop provides a student employment service for hundreds of students



IT and Skyping booths are new Union facilities



The Union has its own TV and radio stations

FACILITIES include The Kitchen, CF10 café, and the Taf Bar, all offering a variety of hot and cold food, a general shop, University bookshop, computer shop, a games room with video arcade, five full-size snooker tables and twelve pool tables, and satellite television. The Union also has its own letting agency that specialises in letting student accommodation. To further enhance the student experience, there is also a Student Development Unit which provides voluntary training courses, including Speaking and Presentation, Problem Solving and Decision Making, and IT Skills. In addition to its social functions, the University Union plays a major role in student welfare. Full-time staff in the Advice and Representation Centre on the third floor of the Union Building offer free and confidential guidance.

Solus and The Great Hall are among the Union's many attractions. Solus is the students' own high quality nightclub. Catering for all student tastes, it plays host to regular events, such as Fun Factory and Boombox, comedy nights and live bands. Membership is restricted to students.

The Great Hall is a 1,600 capacity venue for major concerts. Approximately 25 of these are held through the year, maintaining Cardiff's position as a prime venue on the national tour circuit. Ellie Goulding, Funeral for a Friend, Chase & Status, Ocean Colour Scene, Kids in Glass Houses, Tinie Tempah and the NME Tour have all played recently. The Union also organises large events at regular intervals, when up to 4,000 students attend an array of entertainment that, for the energetic, can last most of the night.

The Taf Bar, with its comprehensive range of drinks and friendly atmosphere is the Students' Union's very own 'local'. It is a popular and central focal point for student social life and hosts a variety of events.

Clubs and Societies

More than 150 societies and 60 clubs cater for cultural, political, religious, social, sporting and other types of interest. From aerobics to aikido, drama to debating, music to mountaineering, rambling to the real ale society, the Union offers

something for everyone. All clubs offer opportunities for beginners as well as the more experienced. There is also an active Officer Training Corps, Naval Unit and Air Squadron.

Those with an interest in the media are always welcome to write for the student newspaper, Gair Rhydd: Student lifestyle magazine, Quench, or try their hand working for the students' own radio and TV stations, Xpress Radio and CUTV. The award-winning free newspaper is produced every Monday of term, with Quench included every fortnight, and brings students campus news, book, band and cinema reviews, information and entertainment. The radio station provides students with valuable experience within presenting, production, design, events, sales and news.

Jobshop

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

What the Guides say:

"The Union is a top class venue under continual enhancement. Evenings inevitably lead to Solus, the union's 1,800 capacity, custom-built nightclub with an immense dance floor and state-of-the-art sound and lighting systems. With an eclectic music policy, few would dispute that Solus offers some of Cardiff's best nights' out."
Virgin Alternative Guide to British Universities

"The lively Students' Union offers good welfare provision and an award-winning student newspaper."
Guardian University Guide

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



The Union is a top-class venue

Sport

Regardless of your level of ability or commitment, Cardiff University Sport provides an extensive range of opportunities for you.



THERE are three main centres for sport across the University campus providing you with access to both formal and informal activities.

Sports Training Village – Talybont

This is conveniently located at one of the major student residences, just a short walk from the main University campus. A superb modern multi-purpose sports hall complements a second sports hall and range of indoor facilities at the centre, which include a five-a-side court, fitness suite and martial arts dojo. Outdoor facilities include two flood-lit, artificial pitches, tennis courts and grass pitches.

Fitness and Squash Centre – Park Place

This is located at the heart of the main campus. Facilities include six squash courts, a fitness suite and aerobics studio. Inexpensive exercise classes run throughout the day from early in the morning until evening, allowing you to exercise when it is convenient to you. There are aerobics, step aerobics, circuit training, box-a-cise and yoga classes to suit all levels and tastes. All classes are taken by qualified instructors. There is also a Well Being Clinic which provides alternative health and beauty therapies, including manipulative therapy and sports massage therapy.

Sports Fields – Llanrumney

The University has 33 acres of first-class grass pitches (one of which is flood-lit) and high quality wickets at the complex for outdoor sport. This facility hosts many travelling international rugby and football squads for pre-competition training, including the All Blacks and South Africa. It will also host pre-games training for the Olympic football that will take place at the Millennium Stadium as part of the 2012 games.



Inexpensive exercise classes are run throughout the day

Sports Clubs

The University provides students with the opportunity to participate in both elite and recreational sport. It currently has 60 clubs for men and women ranging from traditional sports (such as rugby and cricket) to martial arts, motorsports and watersports. Many of our clubs compete in the British Universities & Colleges Sport competition (BUCS), where teams travel all over Wales and England battling it out for BUCS points with other universities. Cardiff competes at the very highest level of university sport, with eight clubs taking part in the BUCS Premier League. In 2010/11, the University was ranked 12th out of 150 UK universities competing in the BUCS competition, with some of the sports clubs winning national championships.

However, if you do not have the free time to commit to a University sports club, the University also hosts an extremely popular inter-department programme in netball, rugby and football, which 800 students participate in every Wednesday.

High Performance Sports Programme

This helps students of the highest sporting potential to develop their sport while studying at Cardiff University. Financial awards are available to assist with training, travel and other essential expenses, while a comprehensive Support Programme ensures that individuals receive specialist advice on lifestyle management, physical preparation for sport, and sport psychology. Cardiff University, together with the University of Glamorgan and Cardiff Metropolitan University, forms one of the UK's six centres of cricketing excellence. Funded by the Marylebone Cricket Club (MCC), the Centre helps to ensure that the best young cricketers can combine higher education with opportunities to develop their cricket. Cardiff University also awards bursaries to talented low handicap golfers studying at the University.



Cardiff has 33 acres of top quality grass pitches for outdoor sport

Sports Clubs

Association Football	Motorsport
Aikido	Mountaineering
American Football	Mountain Biking
Athletics	Netball
Badminton	Pool
Basketball	Rambling
Canoe	Riding
Caving	Rifle
Cheerleading	Rowing
Clay Pigeon Shooting	Rugby
Cricket	Sailing
Dance Sport	Snooker
Fencing	Snowsports
Golf	Squash
Hockey	Sub-Aqua
Ice Hockey	Surf
Jiu-Jitsu	Swim and Water Polo
Karate Shotokai	Table Tennis
Karate Wadokai	Taekwondo
Kickboxing	Tennis
Kitesurf	Trampoline
Korfball	Ultimate Frisbee
Kung Fu	Volleyball
Lacrosse	Windsurfing
	Yoga



Modern equipment gives you access to 50 TV/radio channels while you exercise

Life after Cardiff

Cardiff has an excellent graduate employment record. Graduates of all disciplines are in demand across a broad range of careers and the University remains an institution targeted by both national and international employers recruiting recent graduates.

WHATEVER you decide to do, Careers & Employability prides itself on offering support for students throughout their studies and long after graduation and our Alumni Relations Programme will keep you in touch with the University and enable you to utilise the services and expertise available to former students.

Careers & Employability

Whether your career plans are fairly well developed or your thinking is at a more tentative stage, help is readily available to assist you with both developing and achieving your career goals from the very beginning of your time at Cardiff University.

The Careers & Employability Centre, based within the Student Support Centre, is specifically designed to meet student needs, and includes:

- Comprehensive library facilities and careers information/advice, internet access, computerised guidance programmes and DVD library, etc.
- Vacancy information for student and graduate jobs readily available on the website.
- A professional team of specialist Career Consultants and Advisers each linked to academic schools and available for consultation.
- A wide range of group sessions and workshops covering career choice, job search, applications/interview procedures and assessment centres.

- During each academic year, a series of career fairs are held. From large scale generalist recruitment/ information events aimed at students from any discipline, to themed events that target specific sectors such as Engineering & Technology, Finance and Law. Students benefit from the opportunity to meet a growing number of employers keen to recruit from Cardiff University.

Careers & Employability encourages students to develop a wide range of employability skills including aspects of self-management, team working, problem solving, business & customer awareness, communication and literacy, numeracy and IT. As well as careers advice, guidance, careers workshops and information resources, work experience is a key component of the Careers & Employability approach. Students are actively encouraged to gain this during their time at Cardiff. Many of our degree programmes have an element of work experience built in and we have a team of Work Experience Advisers who actively promote the benefits of work experience. Students can attend road show events, a dedicated Work Experience fair, workshops and 1:1 advisory sessions. Students involved in extra-curricular activities and work experience can also participate in the Cardiff Award Programme. This programme provides a formal recognition of employability skills gained during these activities, increases self-awareness and confidence, and ultimately makes participants more employable. The Cardiff Award has been developed alongside key graduate recruiters and is sponsored by Ernst and Young.

In addition we organise work experience opportunities for all disciplines with a range of employers, public and third sector organisations. These include short term unpaid periods of work experience, to paid summer placements. We are part of the flagship GO Wales programmes which offers a range of employability opportunities to students and graduates, including the City & Guilds Professional Development Award.

Other opportunities to develop Employability Skills exist within the University and include the Student Enterprise Unit, Student Development Unit, Jobshop and the Student Volunteering Centre.



For those interested in being self-employed or developing an idea for a business or social enterprise, Student Enterprise, based in the Students' Union, helps find business mentors, provides free office space, runs business workshops and helps to get you started. For further information please visit: www.cardiff.ac.uk/racdv/students

Continued Support

Whether you are looking for that first graduate post, find yourself unemployed at anytime or are in a job that you feel is not right for you, then the Careers & Employability Service is still open to you. We have a free dedicated service for all Cardiff graduates. This provides a first port of call to assess your career needs and ensures that you receive the most appropriate help and advice on career choice, CVs, applications, interviews and job hunting techniques. Even if you move away from Cardiff after graduation, help is still at hand via telephone interviews and our e-guidance service.



More online at:
www.cardiff.ac.uk/carsv
www.prospects.ac.uk
www.cardiff.ac.uk/alumni

The Alumni Relations Programme

The Alumni Relations Programme aims to keep in contact with Cardiff students throughout their lives, offering benefits and services to alumni, social and business networking events and a vibrant online community of graduates around the world. The Cardiff University magazine keeps former students in touch with what is happening at the University and many Alumni maintain links – both formal and informal with their friends from the University. Wherever you are in the world, we'll always want to keep in touch. For further information please visit: www.cardiff.ac.uk/alumni

The Employer's View

"At Jaguar Land Rover we have built a very successful relationship with Cardiff University. We have been very impressed with how prepared and motivated the students are at the events we attend. We are encouraged to see students from their first year onwards starting to think about their career and opportunities, which is a credit to the Careers & Employability service. We have already recruited a number of Graduates and Undergraduates into our business from Cardiff University and hope this relationship continues."

Laura Wigley - Graduate Recruitment Manager, Jaguar Land Rover

"We have core competencies that we look for and it's not just the degree you can offer but also the ideas and enthusiasm you can bring. The skills students develop throughout university

shape their employability. Our aim is to help students to understand how they can transfer these skills in to the workplace. Applicants who stand out are those who have done research and are well prepared. We're interested in your potential to develop. As a leading employer of graduates, we recognise the important role played by Cardiff University and the Careers & Employability service by encouraging students to meet local and national employers and producing high-calibre, motivated individuals who are ready to enter the world of professional services."

Louise Churchill – Graduate Recruitment Officer, PwC

"RWE npower has recruited several Cardiff University graduates over the past five years into areas such as general business management and engineering. We recognise that, through their experience of high academic standards and a broad range of extracurricular activities, they are well equipped to add value to our business from day one."

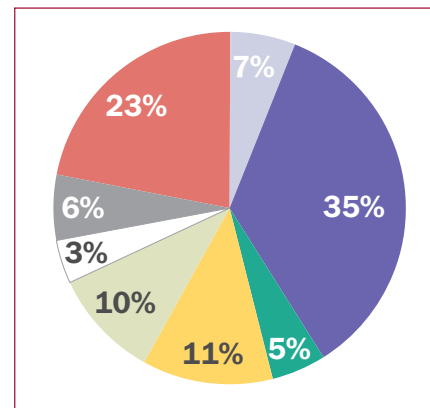
Kerry Riley - Resourcing Specialist, RWE npower

"Macfarlanes has sponsored the Cardiff Law Fair for a number of years and we have been consistently impressed by both the high quality of the event and the calibre of the students attending. Cardiff students demonstrate the talent, motivation and enthusiasm that employers are seeking. The Careers Service offers an extremely high level of support and in doing so enables both students and potential employers to get maximum benefit from the event."

Paul Davies - Partner, Macfarlanes LLP



Cardiff has an excellent graduate employment record



Known Destinations of Graduates

Professions/Commerce	23%
Industry	7%
Public Sector	35%
Employment/Professional Training	5%
Higher Degree (PhD/MSc etc)	11%
Further Study	10%
Not available/travelling	3%
Not employed	6%

Source: *Destination of Leavers in Higher Education Survey 2010*

Employers Targeting Cardiff University include:

Abercrombie & Fitch	Grant Thornton
Accenture	HSBC
Airbus	IBM
Allen & Overy	Intel
Amazon	Intellectual Property Office
Apple Retail	Jaguar Landrover
Arup	KPMG
Atkins	Macfarlanes
Barclays	Marks and Spencers
BAE Systems	Morgan Cole
Capgemini	Mott Macdonald
Carillion	National Instruments
CMS Cameron McKenna	Nestle UK
Deloitte	Network Rail
EADS Defence and Security	Nissan Motor GB Ltd
EDF Energy	PwC
E.ON	RWE npower
Ernst & Young	Siemens
Eversheds	Triumph
Fujitsu	Welsh Government
GCHQ	

International Students

Nearly 3,500 students from more than 100 countries choose to study at Cardiff University. You will find that Cardiff offers you a high quality of education, an active and fulfilling social life, first class welfare and support services, and a friendly welcome which starts from your very first enquiry.

What the Students say . . .

"During my three years as a student in Cardiff University I have really enjoyed the city. Cardiff is big enough to have all the shops and facilities I could ever want, but not so big that I feel lost. I hope to return after I graduate to meet up with friends I have made here."

Mei Yeng Chan, Malaysia

"We thought that the Cardiff University 'Welcome' team was splendidly warm and well organised, exactly what we needed after a long and confusing journey."

Pooja Balani, India

"The cost of living is just right for your pocket; you can have an enjoyable time both socially and academically."

Kajal Shah, Kenya

"From an international student's perspective, Cardiff is a friendly place and it offers me huge opportunities for personal growth. If anyone approached me and asked which medical school or University they should consider, 'Cardiff' must be the answer!"

Alex Leung, Hong Kong

There are nearly 3,500 international students at Cardiff University



Services for International Students

Before Leaving Home

Detailed Advice/Information -

You will be sent course information, detailed help and advice on such matters as visa requirements, health care, climate and life as a student in Cardiff, accommodation, etc. If you are offered a place to study at Cardiff you will be sent Residences information, and if you accept the offer you will be sent our comprehensive Guide for International Students. Cardiff is one of the very few universities that offers overseas students a single occupancy room in University residences during term time and vacations for the whole of your degree programme. This is providing you apply to study through the normal admissions cycle and follow the application process for accommodation as instructed. You will find details of the variety and high quality of Cardiff's student residences on page 18 of this prospectus.

On Arrival in the UK

Coach Collection Service -

The University provides a free coach collection service from Heathrow and Cardiff airports for two days in the week prior to enrolment. This means you will be met by University staff who will help you get your accommodation and answer any questions you have on the way.

Induction Programme

The International Student Induction Programme takes place in September and includes various events and activities designed to introduce you to the University, the city of Cardiff, and the surrounding countryside. It is a great way to meet other students and to make friends. There will also be an opportunity to join any of the numerous Students' Union social and sporting societies.



At Cardiff University

Support throughout your studies – Welfare and advice is available from a number of sources should you need it, including your Personal Tutor, the Student Support Centre, the International Office, the Residences Office, Student Advice and Representation Centre and the Careers Advisory Service.

International Students' Societies – Within the Students' Union there is a wide range of societies which are run by international students. They arrange cultural and social events that take place throughout the year with the aim of making your stay at Cardiff University as enjoyable as possible.

Computing Facilities – All students are provided with free access to the internet and email 24-hours a day. You will be given your own email address, and in all of the rooms in our Halls of Residences there is the option to have your own internet connection point.

Cost of living – Cardiff enjoys one of the lowest costs of living of any major city in the UK. The close proximity of the student residences to academic schools and the city centre mean that you don't waste time and money on unnecessary travel.

Flexible fee payment – All self-financing students are permitted, at no extra expense, to pay tuition and accommodation fees in three equal instalments throughout the year, which makes the payments easier for you and your family.

Jobshop – International students are no longer required to obtain a work permit and visa, which means that, if your studies allow, you could obtain part-time work (up to 20 hours per week during term time and full-time during the holidays). The Jobshop is the University's own employment agency which helps students find casual work opportunities on campus and throughout the city.

Alumni

Your relationship with Cardiff University does not end at graduation. As an alumnus you can join worldwide alumni societies, attend reunion events and recommend your experience to others considering Cardiff.

Tuition Fees

Tuition fees are reviewed annually and are usually released in early February. Details of tuition fees are available on request from the International Office or can be found on the following website: www.cardiff.ac.uk/international

Living Expenses

Living expenses for a single student living in University-owned self-catered accommodation are £6,480 for nine months, or £8,760 if you intend to stay in Cardiff during your summer vacation. Cardiff offers students excellent value for money and compares very favourably with universities in the rest of the UK.



Advice and support is available from a number of sources

Entrance Requirements

The academic entrance requirements used in this Prospectus are given in terms of A-level grades/IB points. If you are taking any other qualifications please see our website or contact the International Office at: international@cardiff.ac.uk. They will be very happy to advise you as to whether your qualifications are acceptable and what grades you will need to obtain in them.

English as a Foreign Language

All overseas applicants must have a standard of written and spoken English that will enable them to benefit fully from their course of study. A selection of the English Language qualifications and the normal scores accepted by the University is given below.* Some Schools have individual requirements and may ask for higher scores. If your qualification is not listed please contact the International Office for advice.

IELTS: A grade of 6.5 is required for most courses

TOEFL: A grade of 580 is required for most courses

TOEFL iBT: An overall score of 90 or above for most courses

GCE or GCSE: in English (grade C or above)

Cambridge Certificate of Proficiency in English (grade C or above)

Cambridge Advanced English (grade B or above)

English Language Courses

The University offers a comprehensive range of pre-sessional and in-session English courses. Please see page 126.

International Foundation Programme

See page 127, or visit: www.cardiff.ac.uk/ifp

Attendance at Overseas Education Exhibitions

Members of Cardiff University staff regularly attend overseas exhibitions and would be very pleased to meet you to discuss your application and questions regarding study at Cardiff. Please contact the International Office, or check our website to see if we are visiting your home country.



Teaching and research are of the highest quality

Local Education Advisors

The International Office works in cooperation with local educational advisors in a range of countries. These can provide students with a local source of assistance when applying to study at Cardiff. Full details can be found at: www.cardiff.ac.uk/international

We currently have advisors in: Azerbaijan, Bahrain, Bangladesh, Botswana, Brunei, Canada, China, Ghana, Hong Kong, India, Iran, Japan, Jordan, Kazakhstan, Kenya, Korea, Malaysia, Mauritius, Nigeria, Oman, Pakistan, Philippines, Qatar, Rwanda, Saudi Arabia, Singapore, Sri Lanka, Taiwan, Tanzania, Thailand, Turkey, UAE, Uganda and Vietnam.

Any Questions?

For detailed information on all aspects of applying, studying and living in Cardiff please visit our web pages at:

www.cardiff.ac.uk/international

We hope you will find them useful in answering all your questions.

Further Information

If you have any questions about applying, studying or living in Cardiff, please contact either one of the educational advisers, or the International Office, and we will be happy to help you.

Contact Details:
International Office
Cardiff University
Deri House, 2-4 Park Grove
Cardiff CF10 3PA.
Tel: +44 (0)29 2087 4432
Fax: +44 (0)29 2087 4622
Email: international@cardiff.ac.uk
Web: www.cardiff.ac.uk/international

*In addition the overall grade you may be required to achieve a certain level in subscores.

Location



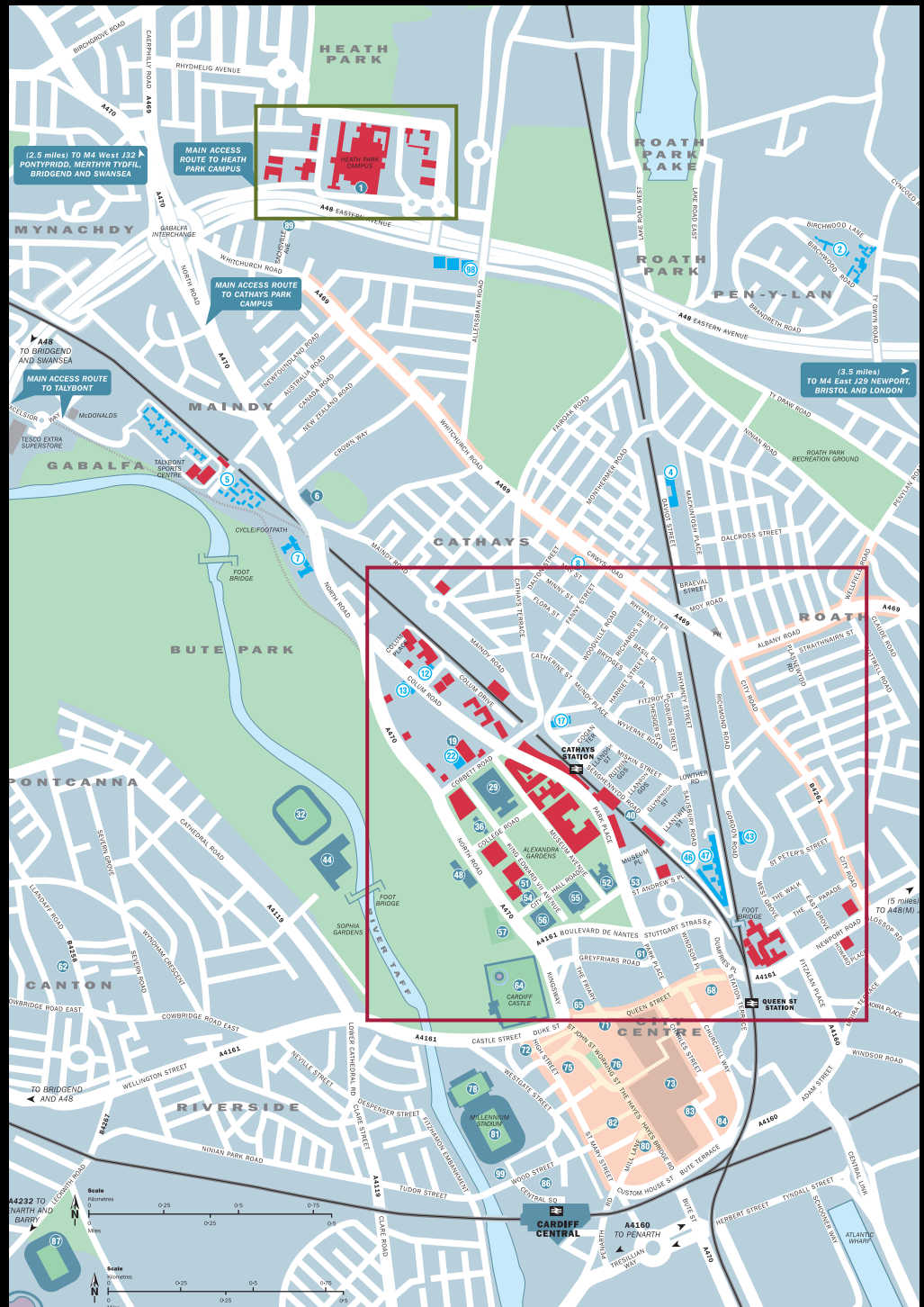
The academic buildings, libraries, Students' Union, most of the student residences and the city centre are within a short walking distance of each other.

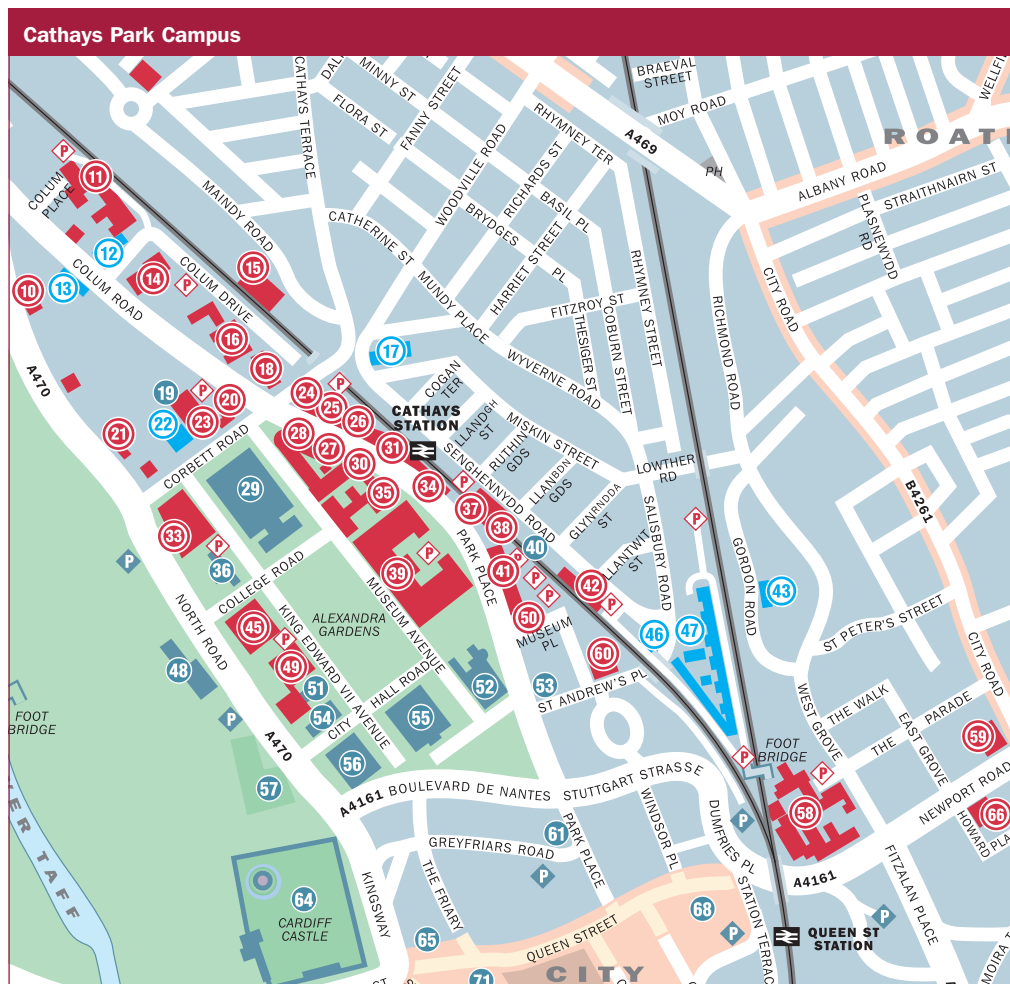
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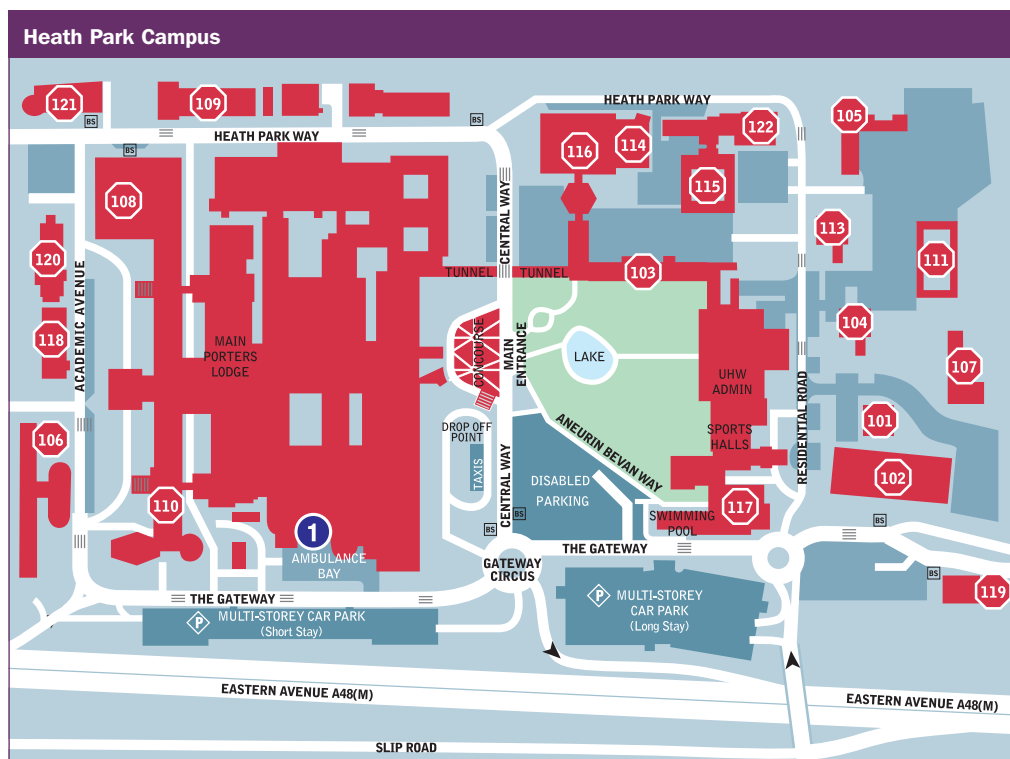




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Student Support Centre	31
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Welsh	16

* Indicates main site



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Healthcare Studies	81-83
History, Archaeology and Religion	84-87
Journalism, Media and Cultural Studies	88-89
Law	90-92
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Medicine	95-98
Music	99-100
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Find Out More Online

Visit our website for more information on:

- Degree Programmes
- Facilities
- Academic Schools
- Admissions and Selection Criteria
- Preliminary/Foundation Courses

www.cardiff.ac.uk/undergraduate



Architecture

Degree Programme/ UCAS Code

Architectural Studies BSc/MArch
K100

At a Glance:

Employability/Careers

In 2010, 76% of the School's graduates were in employment within six months of graduation while a further 16% were engaged in further study.

Employers included: architects practices, building energy consultants, town planning departments, construction companies, and universities.

Career destinations included: architect, urban designer and research officer.

Research

In the most recent UK Government Research Assessment Exercise 90% of the School's research was rated at least of international standard with 65% of it classed as internationally excellent or world leading.

League Tables

The Welsh School of Architecture is consistently ranked among the top architecture schools in the UK in the university league tables.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/archi

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The Welsh School of Architecture has an outstanding reputation for architectural education and research.

The School has 450 undergraduate and postgraduate students, who are selected from throughout Britain and world-wide, and a total of 90 staff. It was founded in 1919 and is based in the Bute Building, in Cardiff's attractive civic centre, where it enjoys a range of outstanding facilities as a result of a major £8million refurbishment. All the School's degree programmes are fully accredited by the Royal Institute of British Architects (RIBA) and the Architects Registration Board (ARB) and provide a stimulating foundation for professional practice.

The Two-tier Degree Structure

The BSc in Architectural Studies is a three-year full-time programme of study, introducing the concerns of architecture and the built environment. It is a programme of study complete in its own right for students who wish to have a design-based education. In addition, and provided at least a 2.2 Honours and 55% in Design is achieved, the BSc leads to entry to the MArch programme of study and eventual qualification for the profession of architecture.

BSc in Architectural Studies

Years One to Three
(RIBA Part 1)

The BSc programme is in modular form. Its aims are:

1. For students to master fundamental concepts and acquire an ability to access information concerning:
 - the constituent disciplines of architectural design;
 - the basic disciplines of architecture.
2. For students to develop as designers through:
 - the acquisition of a range of representational skills including manual, craft and CAD techniques;
 - the acquisition of imaginative insight into the needs of building users;
 - manipulation and resolution of complex three-dimensional design problems;
 - ability to integrate social, technical, cultural, environmental and resourcing considerations in architectural design;
 - refinement and articulation of the perception of architecture;
 - development of self management and communication skills.

These aims are pursued through:

1. Studio-based project work, which takes up two-thirds of this programme of study.
2. Lecture-based modules which support project work, and together form an essential

programme of study. Modules include Architectural Technology (building structures, environmental design, construction and materials); Architectural History; Cities and Landscapes; Practice, Management and Economics; and Issues in Contemporary Architecture.

3. Study visits at home and abroad.

Examinations and Awards

Examinations in lecture-based modules are either held at the end of each semester or at the end of the academic year; project work examinations are held at the end of the year. Successful completion of the three-year course leads to the award of a classified Honours degree.

MArch (Masters of Architecture)

Years Four and Five
(RIBA Part 2)

This second stage of the two-tier BSc/MArch programme of study is intended for those who wish to continue their education towards becoming qualified architects. It comprises two years of study, one of which is based at the School, the other predominantly in practice. To proceed to this you must have our degree of BSc in Architectural Studies with at least a 2.2 Honours classification and 55% in Design or, if you are entering from another academic school, normally a good first degree or equivalent qualification which carries exemption for Part 1 of the RIBA, with a strong design portfolio.

The MArch programme of study is in modular form and aims:

1. To extend design experience and knowledge to include the design of more complex buildings and the demands of urban design and, in doing this, to aspire to the highest standards of architecture.
2. To study professionally-associated aspects of the architect's work and, within this experience, to become able to meet the demands being made on the architectural profession.
3. To pursue specialisms within the field and, in this process, receive a grounding in research methods and an in-depth study of an aspect of architectural design. We pursue these aims through four components:
 - An approved period of education in practice which consists of at least nine months' employment in an architectural practice, during which you will undertake study and design modules and make a number of return visits to the School for short courses.



The School has outstanding facilities

Students find their own places in employment, but have some help from the School. Our record in achieving placements is excellent and many students study abroad, receiving visits from tutors.

- A dissertation which allows you to select from a range of interests within the School and carry out a detailed study based on an appropriate taught methodology.

Current options include:

- Architectural Science and Technology, History and Theory of Architecture, Social Issues in Architecture, and Professional and Management Studies.
- Project work which includes a comprehensive design for a building or group of buildings selected by you and relating to design specialisms offered by staff. Project work is the major component in the second year of the course. An overseas study visit is usually undertaken during the course.
- Lecture-based modules which include: Contemporary Architectural Design and Practice, Management and Economics.

Examinations and Awards

Examinations and project work examinations are held at the end of the year. For work of special merit the degree of Masters in Architecture is awarded with Commendation or Distinction.

Diploma/Masters in Professional Studies

(RIBA Part 3)

The Welsh School of Architecture offers a Diploma/Masters in Professional Studies, the Diploma of which is prescribed by the ARB and validated by the RIBA at Part 3 level. Graduates of the programme may apply to the Royal Institute of British Architects for Corporate membership, and to the Architects Registration Board for admission to the Register of Architects.

The programme is undertaken while in an approved placement. The Diploma, which may be undertaken within one academic year (full-time) or two academic years (part-time), comprises six 20-credit modules, all taught using a mixture of distance learning and short residential courses. The diploma can be converted into a Masters by the submission of a thesis on an approved topic.

Prizes and Scholarships

A variety of prizes and travelling scholarships are available to students who distinguish themselves in their work. These include a £300 scholarship given to a second year student based on Year One performance and up to four £1,500 travelling scholarships awarded at first degree level.

Special Features of the Welsh School of Architecture

The School currently enjoys an established reputation as a research-led School, with research centred on the subjects of architectural history and theory, architectural practice, and architectural science. In the 2008 Research Assessment Exercise, the School's environmental science facilities were considered outstanding and its research outputs were assessed as internationally excellent.

The Centre for Education in the Built Environment, based within the School, supports innovative teaching techniques including the use of information technology. The School's expertise in this area, together with an advanced computer-aided design suite, ensures that students are taught a range of information technology skills.

A specialist architectural library is based in the Bute Building. Its collection of books, DVDs, periodicals, reference and technical literature are directly accessible to students. The library also holds a rare books collection.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

Grades AAA: A good academic base required, preferably indicating a balance of skills in visual arts, sciences and writing research. General Studies, Critical Thinking and PE are not considered.

WBQ:

Pass in the core plus AA from 2 A-levels.

Int Bacc:

35 points. Good academic combination of subjects.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

All applicants

GCSE (or equivalent): Mathematics and English at grade B or above.

Experience and/or a deep interest in art and/or design is an advantage. All applicants are asked to send a small portfolio of four A4 size sheets, showing art and design work to the Admissions Secretary, as part of their application. Alternative grades and qualifications are acceptable with an outstanding portfolio. For further information please see our website.

Applications Information

Typical intake: **70**

Typical number of applications: **800**

Admissions Enquiries

BSc: Ms Mhairi McVicar (Head of Admissions)

General Enquiries/MArch: Anwen Cook

Tel: (029) 2087 5963

Email: architecture-ug@cardiff.ac.uk

MArch applicants are invited to attend the Postgraduate Open Day.

Please see the Postgraduate website for details:
www.cardiff.ac.uk/postgraduate

Biosciences

Degree Programmes/UCAS Codes

Biology BSc

(3 years) C100
(4 years*) C101

Biochemistry BSc

(3 years) C700
(4 years*) C701

Biotechnology BSc

(4 years) J701

Ecology BSc

(3 years) C180
(4 years*) C183

Genetics BSc

(3 years) C400
(4 years*) C401

Microbiology BSc

(3 years) C500
(4 years*) C501

Molecular Biology BSc

(3 years) C760
(4 years*) C761

Zoology BSc

(3 years) C300
(4 years*) C301

Biomedical Science BSc

(3 years) BC97
(4 years*) BC9R

Biomedical Sciences (Anatomy) BSc

(3 years) B111
(4 years*) B112

Biomedical Sciences (Neuroscience) BSc

(3 years) B142
(4 years*) B143

Biomedical Sciences (Physiology) BSc

(3 years) B121
(4 years*) B122

*Four-year programmes include a Professional Training (Sandwich) Year.

Preliminary Year

Programmes with a Preliminary Year may be four years (without Professional Training) or five years (with Professional Training). See page 128 for UCAS course codes.

At a Glance:

Employability/Careers

In 2010, 89% of the School's graduates were in employment or further study within six months of graduation while others were taking time out to travel etc.

Employers included: universities and hospitals in the UK and overseas, local government departments, museums and organisations such as the BBC and National Museum of Wales.

Career destinations included: assistant ecologist, laboratory researchers, lecturer, scientist and environmental scientist.

Research

In the most recent UK Government Research Assessment Exercise 55% of the School's research was assessed as internationally excellent or world-leading. In the authoritative 2010 World University Ranking (based on research strength and performance) compiled by

Shanghai Jiao Tong University (www.arwu.org), Life Sciences at Cardiff was ranked in the top 100 worldwide and in the top 10 in the UK.

Facilities

The School is one of the UK's leading centres for teaching and research in Biosciences and has recently benefited from a £4million extension providing a range of new facilities.



Find Out More

For more information about the School scan the QR code with your phone, or go to:
www.cardiff.ac.uk/biosi

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Cardiff School of Biosciences has an international reputation for its teaching and research. We are able to offer you a wide range of flexible, modular degree programmes that span the full spectrum of our academic interests in Biological, Biochemical and Biomedical Sciences.

All of our degree programmes share some common first year core modules, which gives you the valuable option of switching degree at the end of your first year.

All of our degrees offer the option of a 'sandwich' programme in which your third year is spent in employment related to your degree. Experience shows that this greatly enhances your subsequent employment prospects (see section on Professional Training on page 43).

Field courses form an important part of some of our degrees. Cardiff is renowned for the excellence of its biosciences field courses which rank among the best on offer at any British university (see section on Field Courses on page 43).

In co-operation with the University Careers Service, your degree programme will develop your awareness of the wide-ranging professional opportunities open to all our graduates in the academic, industrial, environmental, medical and commercial sectors.

Your training will enable you to develop scientific, analytical and IT skills, critical use of literature, and aptitude to use modern software applications.

The School is fully committed to assist you in developing a full range of transferable skills in addition to the subject specific skills already mentioned. You will receive evidence for the competencies that you have attained which will be crucial in enhancing your employability.

You will be encouraged to make use of our Learning and Teaching Resource Centre, which contains a short-loan library and study rooms that are equipped with computers and DVD players. These study rooms can be booked by students for work on group projects, or just for studying together.

Research in Cardiff School of Biosciences was highly rated in the last Research Assessment Exercise. Your courses will therefore be presented by staff who are experts in their fields, and you will experience the excitement of learning in an active research environment. Cardiff School of Biosciences attracts more research funding than any other School in the University and this will allow you to make use of the latest equipment, techniques and facilities in your project work.



The new front entrance to Cardiff School of Biosciences



Our First Year Courses

All our degrees operate out of two basic first year courses that overlap considerably. They can be thought of as a Biological Sciences and a Biomedical Sciences First Year.

The Unified First Year system has the big advantage of giving you flexibility of degree choice. At the end of your first year you will have a free choice of whether to stick with your original degree registration, or to choose another that is served by the same First Year. Your decision will be influenced by your personal interests, experience of the first year modules, and advice from the highly supportive University Careers Service. Switching degree at the end of Year One is regarded as a normal occurrence and up to 35% of our students choose to do it.

Another option you have at the end of Year One is whether to continue with a three-year degree or a four-year sandwich degree. You can opt either way.

Biological Sciences Common First Year

This serves the following programmes:

- Biology
- Biochemistry
- Biotechnology
- Ecology
- Genetics
- Microbiology
- Molecular Biology
- Zoology

The first year gives you a firm foundation in all the biological disciplines, and essential related disciplines ensuring that all students are equally well-prepared for subsequent studies in their second and final years. Lectures are supported by extensive practical and problem solving classes. Modules will generally begin by overlapping with A-level studies, but will soon progress to greater depth and scope.

You will take modules to a value of 120 credits from:

Biochemistry and Molecular Biology (20), Cell Biology (10), Genetics (10), Problem Solving in Biology (10), Microbiology (10), Animal Biology (10), Evolution (10), Ecology (10), Plant Biology (10), Human Structure (10), Physiology (10), Chemistry 1 (10).

Modules in bold type are compulsory for all students in the Biological Sciences First Year.

Biomedical Science Common First Year

This serves the following degree programmes:

- Biochemistry
- Molecular Biology
- Biomedical Science
- Biomedical Sciences (Anatomy)
- Biomedical Sciences (Neuroscience)
- Biomedical Sciences (Physiology)

The first year provides a broad scientific base centred on biochemistry, and human biology that will give you a firm foundation for subsequent

studies in the second and final years of your degree. Lectures are supported by extensive practical work and tutorials.

You will take modules to a value of 120 credits from:

Biochemistry and Molecular Biology (20), Cell Biology (10), Genetics (10), Problem Solving in Biology (10), Human Structure 1 and 2 (10 each) Physiology 1 and 2 (10 each), Pharmacology (10), Microbiology (10), Animal Biology (10), Evolution (10), Chemistry 1 (10), Psychology (20). Modules in bold type are compulsory for all students. Those intending to take Biochemistry as their degree, or who might wish to switch to this degree, will need to take Chemistry module 1.

Note that if you are taking the Biochemistry degree you can choose to follow either of the First Year programmes, to suit your academic interests.

BSc Biology

The Biology degree at Cardiff allows you to take a broad approach to the subject. A wide choice of modules is offered, covering the biology of animals, plants and micro-organisms. These include cell biology, environmental biology, comparative physiology of plants and animals, systematics, evolutionary biology and genetics.

This broad approach runs throughout your second and final years, giving you the option of taking a general training in biology or specialising in a particular area that appeals to you. You could therefore find yourself specialising in areas such as Conservation Biology, Behavioural Ecology,

Biosciences *continued*

Pollution Biology or Genetics, or choosing a route that combines all these elements, or other combinations.

Biology is essentially a practical subject and all your second year modules will have a significant assessed practical component.

In the final year students undertake a project to develop their skills further, and to gain experience in planning and running experimental programmes. Students may also attend a field course from the selection offered (see page 43). Recent graduates have gone on to careers in research institutes, environmental consultancies, drug companies, teaching, and many non-biological careers such as banking and management.

BSc Biochemistry

Biochemistry is the study of biological systems at the molecular level. Due in part to research initiatives such as the human genome project, our understanding of biochemical systems is increasing dramatically. This contributes in turn to advances in all biological disciplines, especially genetics, medicine and biotechnology. This course provides an excellent foundation for careers that span the range of biological and molecular sciences, and a secure training for a research scientist.

The unified first year provides a grounding in essential subjects, including a chemistry module that present topics at the chemistry/biology interface and the modern analytical techniques.

Following this, your second year will put greater emphasis on the experimental basis of biochemistry. You will take practical modules that cover modern research techniques such as recombinant DNA manipulation and analysis, protein and lipid biochemistry and microbiology, and involve data manipulation/interpretation. There will be a range of core modules providing fundamental principles of gene function, protein biochemistry and enzymology, metabolism, cell biology and cell signalling. You will also be able to choose optional modules from a varied and extensive list of topics that interest you, including medical genetics, genes and development, evolution, and biotechnology.

In your final year, there is a strong emphasis on independent learning and you will investigate areas of current importance in biochemistry. You will choose three modules to study in depth such as: molecular biology and disease; molecular and cellular immunology; advanced molecular biology; tissue engineering; drug design and therapeutic approaches; advanced biotechnology. Your research skills will be further developed through your project. Tutorials and research seminars on wider aspects of the subject, including medical and industrial applications, will extend the scope of your learning programme.



Biochemistry contributes with increasing importance to advances in all biological disciplines, including medicine

BSc Biotechnology

Biotechnology is widely believed to be the key science for the 21st century. It spans all aspects of the engineering of biological systems for the benefit of health, industry, agriculture, society and the environment, and interfaces with chemistry, physics, engineering, medicine and business. Biotechnology exploits new developments ranging from stem cell therapies and new drugs based on molecular understanding to genetically engineered crops, and from biosensors to new generations of diagnostics. Biotechnologists therefore gain a wide skill set and find a broad range of opportunities open to them. This course is designed to equip graduates with the skills and understanding to build a career in this fast moving sector or in other allied fields and support industries.

In the first year, a solid foundation in genetics, microbiology, molecular biology, biochemistry, cell biology and chemistry is built, together with exposure to key issues in biotechnology through a series of lectures by high-profile scientists with experience in exploiting science for the wider benefit of society. In subsequent years, further specialisation is possible towards microbiology and genetics, along with courses developing an integrated understanding of current and future applications of biotechnology as well as aspects of commercialisation and an understanding of the basis of the biotechnology industry. This core of bioscience modules, together with a choice of further optional modules, especially in the final year, allows students to work towards their career area of choice. The course has a strong practical

component, and Biotechnology students are required to take the sandwich option enabling them to put their degree skills to use and to develop their expertise in a commercial biotechnology environment.

BSc Ecology

Ecology is the study of the interactions between living organisms and their environments. Ecological science is currently flourishing, with modern approaches including environmental chemistry, remote sensing, and computer simulations of ecological systems.

A scientific approach to the study of environmental problems is increasingly important in helping us develop a sustainable future for ourselves and the biosphere we inhabit.

This degree will equip you with the skills required to understand the complex ecological relationships between microbes, plants and animals, as well as the factors controlling biodiversity. The course relies strongly on practical work ranging from laboratory simulations to residential field courses.

Second year modules give grounding in community and population ecology, animal behaviour, population genetics, microbial ecology and molecular ecology. Others cover the taxonomic and statistical background essential for a professional ecologist. In the final year, core subjects are more applied and relate to the impact of human activities on natural ecosystems, particularly habitat management, conservation and pollution.

More online at:
www.cardiff.ac.uk/biosi
 Detailed course profiles:
www.cardiff.ac.uk/courses



A Neuroscience tutorial: Tutorials are one of the many forms of small group teaching used in the School to compliment large formal lectures



Anna Burt
 Zoology

"The opportunity to do a professional training year attracted me to Cardiff, because it would allow me to gain an insight into possible careers after graduating. It also enables me to gain valuable work experience that will enhance my CV. The opportunity to travel to Kenya on a field course was also a strong attraction! I enjoy the mix of practical work in the lab and theory during lectures. Teaching style varies from lecturer to lecturer but they are always happy to explain content and concepts to you again if you ask. My personal tutor, in particular, is very helpful and supportive."

Other modules include behavioural ecology, fisheries management and agricultural pest management. Recent final year projects include a survey of otters in mid-Wales and an analysis of the seed bank of coastal sand dunes.

Typical placements for sandwich students include the Environment Agency, Wildfowl & Wetlands Trust, and ecological consultancies.

BSc Genetics

Genetics is the investigation of all aspects of inheritance. In recent years the development of molecular techniques and their application to genetical studies has dramatically increased our knowledge of genome structure and organisation (e.g. the human genome project), and this has revolutionised our understanding of all biological systems and their evolution. Genetics has become relevant to every sphere of biological study, including animal, plant, microbial, medical, biotechnological, and ecological investigations.

Your second and final years will include advanced courses on bacterial genetics, biochemical genetics, human/cytogenetics, population genetics, genes and development, evolutionary genetics and biotechnology. Some modules will give you the opportunity to practise genetic engineering techniques. A choice of optional modules will enable you to combine your course with other specific areas of biology such as microbiology, cell biology, evolution or behavioural ecology.

Your final year project could be in any of the areas of genetics listed above. A few students choose to do projects in medical genetics at the University Hospital of Wales.

BSc Microbiology

Microbiology is the study of micro-organisms (or simply microbes). They include protozoa, bacteria and viruses, together with microscopic fungi and algae, and they are crucially important to life on earth.

You will learn how to identify microbes, how to handle them safely in the laboratory, and how to study their unique properties. You will discover the essential roles microbes play in nature, including nitrogen cycling, photosynthesis and the degradation of pollutants, and also the problems they cause, such as infectious diseases, food spoilage, and the disruption of industrial processes. Your course will also explain how we use microbes to control pests, produce valuable enzymes and antibiotics, or genetically manipulate them to produce hormones such as insulin.

You may be fascinated by the ways that microbes produce hydrogen, methane or visible light, or how others resist the effects of antibiotics, or irradiation levels that would kill a human. Ways in which to harness such properties for use by society await discovery. The practical skills and knowledge provided by this degree could turn you into the sort of expert who might make such discoveries. In recent years almost 80% of our Microbiology graduates have obtained related employment or places on higher degree courses.

BSc Molecular Biology

This degree programme has been specifically designed to provide a broad knowledge of the molecular aspects of biology to meet with the ever-increasing applications of this rapidly

expanding subject area. The broad outlook of this programme will ensure that you will be able to use your degree in a diverse range of careers. This degree is a good choice for students with a general interest in the molecular basis of living systems.

The second year modules combine the molecular aspects of biochemistry, genetics and biotechnology to maintain a broad knowledge basis. These modules will include gene function, genome organisation and analysis, cytogenetics, medical genetics and protein function, as well as practical aspects of molecular biology, microbiology and biochemistry. Optional modules, including cell signalling, virology, evolution and medical microbiology, will be offered to allow you to follow your specific areas of interest.

Modules offered to you in the final year will represent the interface between Biochemistry, Genetics, Medicine and Biotechnology and will allow you to pursue your own interests and aspirations. Topics will include molecular biology of disease, tissue engineering, transgenic engineering, advanced biotechnology, molecular and cellular immunology, developmental biology, genome organisation, evolution and bacterial genetics.

Your practical and analytical skills will be greatly developed through your research project. Tutorials and research seminars on wider aspects of the subject, will extend the scope of your learning programme.

Biosciences *continued*

BSc Zoology

Zoology gives us a real insight into the roles of all kinds of animals in their ecosystems. This is vital knowledge if we are to maintain healthy natural environments, control pests and diseases, conserve biodiversity and preserve endangered species.

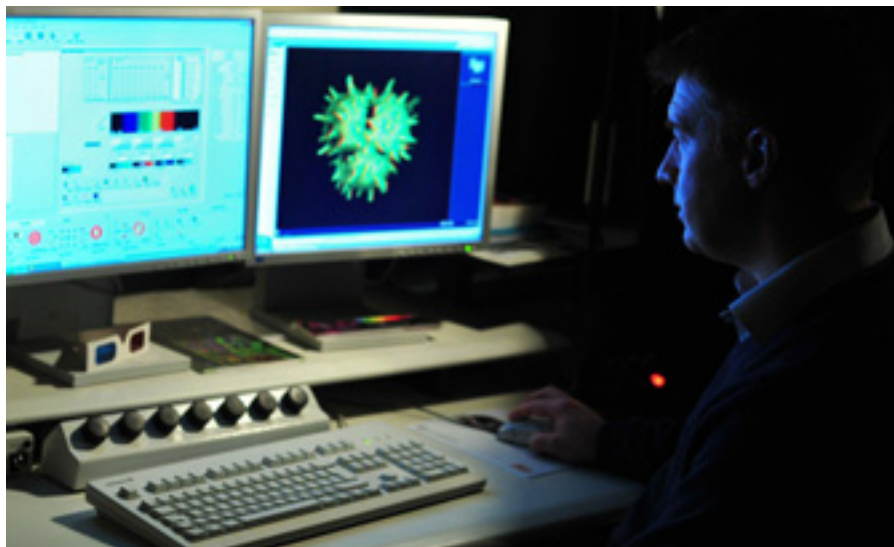
Our Zoology degree caters for anyone interested in the broad field of animal biology. It ranges from the evolution and characteristics of the main animal groups, through animal behaviour and ecology, to physiology and cell biology. You will learn how the evolution of diversity, function and behaviour integrates animals into populations and adapts them to their environments, and how this knowledge is being applied to human problems such as ecologically responsible pest control, conservation or cancer research. You will receive hands-on training in modern laboratory and field research techniques, and gain practical experience of widely transferable skills in computing, statistics, data analysis and presentation. Field courses form an important part of the degree. Many of our sandwich students do their professional placement year in the research departments of zoos such as Chester, Paignton or Jersey.

Our Zoology graduates enter a broad range of careers. A significant proportion enter scientific research, often to take a higher degree; some enter the teaching professions, while others use their transferable skills to enter a range of graduate careers.

BSc Biomedical Science

Biomedical Science is the biological science that underpins medicine and medical research. It includes many biological subjects such as human physiology, human structure, neuroscience, pharmacology, biochemistry, genetics and microbiology. The Biomedical Science degree at Cardiff covers this broad spectrum with the option either to maintain this broad approach, or to specialise in one biomedical field. The course allows you the flexibility to choose subjects that interest you most. You may even decide to switch to one of the more specialised degree programmes at the end of Year One.

This degree programme would suit a range of students who are interested in Biomedical Science, including those who want to specialise, but are not yet ready to choose a specific biomedical field. You will experience a variety of biomedical topics in Year One, helping you to make informed decisions when making choices for subsequent years. In your second and final years you will study subjects in more depth and at an advanced level, with greater emphasis on independent learning. The teaching will become more research-led and you will carry out your own research project under the personal supervision of a research scientist.



Constructing a 3D image of a microbe using laser confocal microscopy, a state-of-the-art technology using our teaching and research

Whatever choices you make during the Biomedical Science degree at Cardiff, the knowledge and skills that you develop will make you employable in a broad range of careers within biomedical science such as research, sales, publishing and teaching. Alternatively you may wish to further your studies with a higher degree.

BSc Biomedical Sciences (Anatomy)

Anatomy is unique among the biological sciences; it encompasses the study of all levels of human structural organisation, from the sub-cellular to the population. Classically, anatomical study has proceeded by observation and dissection, supported by histology and embryology. Recent advances in cell and tissue biology, and in developmental biology, have resulted in much greater understanding of the formation and functioning of the body at gross, cellular and molecular levels, and have had great impact on anatomical study.

At Cardiff, the traditional approaches are combined with the more recent developments to provide you with a stimulating and thoroughly up-to-date degree programme.

In your second year you will study exclusively anatomy. Your major topics will be: human topographical anatomy, including dissections of selected regions of the human body; human neuro-anatomy; study research techniques; and developmental/cell biology. In addition you will carry out a library-based project on a topic of your choice.

Your final year modules will be taken jointly with medical and dental students who are intercalating a BSc in Human Anatomy. The modules will be based around seminars on tissue engineering, anatomy of exercise, developmental biology and

neuroscience. A laboratory-based or library-based research project will form an integral part of your final year studies.

BSc Biomedical Sciences (Neuroscience)

Neuroscience is the study of nervous systems and their component nerve cells. The human brain contains one hundred thousand million such cells! How it works remains one of the most alluring and baffling of all questions on the frontiers of understanding. Can the brain understand the brain? Can it understand the mind? Is the brain a giant computer or something more? This course will show you ways in which we can attempt to answer these questions, using approaches that range from the biochemistry and biophysics of the nerve cell to a psychologist's investigation of the machinery of the mind.

Neuroscience is an interdisciplinary degree programme for which Cardiff School of Biosciences is the 'home' academic school. Much of the teaching and support is provided by staff of our Neuroscience Research Group, but a significant contribution is also made by Cardiff School of Psychology.

If you choose the four-year degree programme, you will spend your placement in a research institute, hospital or in the pharmaceutical industry, gaining first-hand experience of neuroscience research. We have links with numerous partner institutions in the UK, EU and USA.

In Year Two, you will take modules in membrane biophysics, pharmacology, anatomy of the human brain, psychological analysis, practical neuro-physiology, cellular signalling and neuro-endocrinology.

More online at:
www.cardiff.ac.uk/biosi

Detailed course profiles:
www.cardiff.ac.uk/courses



Kenya is among our field course destinations

Your final year modules will comprise modules on Molecular Biology in Neuroscience; Neuronal Development & Plasticity; Neural Transmission & Neural Network Theory; together with a module containing four optional topics chosen from a range of at least 15 taught by research leaders. Your research project may be conducted in a University laboratory, or in an outside neuroscience laboratory, and will involve the use of exciting state-of-the-art techniques and methods. Library-based projects are also offered.

BSc Biomedical Sciences (Physiology)

Physiology is concerned with how the body works. It considers the various interacting mechanisms that underlie the functional organisation of the human body. It is a multi-disciplinary science, using a wide variety of techniques, and has always been closely allied to medicine. Although there is constant interaction between the advancing frontiers of clinical research and physiological science, much physiological work is carried out by scientists rather than clinicians.

Following the Common First Year course, Year Two will provide you with a thorough grounding in physiology and its relevance to medicine.

Emphasis will be placed on the experimental basis of the subject, and you will become familiar with new technologies and their impact. The course includes a double module on the Physiology of Exercise.

In your final year you will take modules that reflect the School's great expertise in the areas of cell-physiology and neurophysiology, together with a choice of optional modules. In some topics you will lead or participate in small discussion groups to critically review current research findings.

A project in which you carry out an original piece of research will be an integral part of your final year programme.

Other Information

Transferable Skills

In all our degrees, your IT skills will be developed through classes on the use of databases, spreadsheets, molecular modelling, and other related applications software. All programmes will also give you the opportunity to develop your communication skills through production of PowerPoint presentations or posters, participation in group discussions and preparation of reports. Some modules will involve group work, allowing you to develop teamwork skills.

All programmes will require you to undertake one or more substantial items of independent learning that involve the production of high-quality reports; these will include a final-year research project, but could also (in some programmes) include a final-year field course module, or professional training year project.

If you take a four-year sandwich degree programme, your year in professional training will develop teamwork and presentational skills, enhance your independence and self-confidence, and in many cases give you the opportunity to practice supervisory skills.

Field Courses

Direct experience of wild animals and plants in their natural habitats continues to be an important part of modern biology. We run a full range of courses to give you essential hands-on experience of modern techniques and practical skills in field biology. You will learn about important field techniques such as bird-ringing, small mammal trapping and freshwater sampling. Evening activities may involve bat-detection and badger watching.

In your second year you will choose from several more specialised, project-based courses, that run in a variety of places suited to the course objectives. Currently we have courses on tropical ecology (Kenya and Malaysia), physiological ecology (Southern Spain), tropical marine ecology (Caribbean), island ecology (Skomer Island),



Daniel Law
Biomedical Science

"I chose to study Biomedical Science because I have always been fascinated by the human body and more specifically what goes wrong in the body when someone falls ill. I want to take an active part in research to create a better understanding of the human body and help develop treatments and cures."

"Studying here in Cardiff is great! I have found that the biggest difference between school and university is adapting to learn on your own. This hasn't always been easy but my lecturers are very helpful, enthusiastic and approachable."

estuarine ecology (Severn Estuary), river ecology (France) and ecology of the forest floor (Cardiff).

Professional Placement (Four-Year Sandwich Degree Programmes)

An attractive feature of our degrees is that most of them can be taken as four-year sandwich courses in which your third year is spent away from the University in relevant employment. This qualifies you for a Certificate in Professional Training and a licentiate of the City and Guilds.

If you choose this option, you will be taught jointly with the students on the three-year course, and the content of the two programmes will be identical, apart from the year spent in employment. Your work placement, during which you usually receive a salary from your employer (some placements are non-salaried), is arranged by our Training Officer, but you should note that placements are subject to availability and cannot be guaranteed.

We make every effort to ensure that your placement gives you the type of practical experience and training appropriate to your career aspirations. Usually your year will be spent with a single organisation which gives greater scope for the project work that is an essential part of every placement.

Our students are placed in organisations such as GlaxoSmithKline, AstraZeneca, Pfizer, the Forensic Science Service, Bristol Cancer Research Centre, Institute of Medical Genetics (Cardiff), the Environment Agency, Paignton Zoo Environmental Park, the Durrell Wildlife Conservation Trust (Jersey), the Royal Botanic Garden (Kew), and

Biosciences *continued*

various other industries, hospital laboratories, private and governmental research organisations, zoos, wildlife trusts and other environmental organisations. Placements for the Neuroscience Degree are often in Europe or the USA, such as Roskamp Institute, Florida, USA.

A placement report, written by you, will count towards your final degree assessment.

Preliminary Year (Foundation Level)

This Level 3 foundation course leads to a BSc in any of the degree subjects we offer. It is available to students who do not qualify for direct entry into the first year because they lack appropriate A-level subjects. For example, the Preliminary Year course is suitable for students wishing to change from arts subjects to biosciences, or for those who have limited formal qualifications in science. Students who successfully complete the Preliminary Year proceed automatically to the first year of the degree that they have chosen. The School offers four core modules in the Preliminary Year: Cells and the Chemistry of Life; Genetics, Evolution and Diversity; Nutrition, Transport and Signalling; and the Way the Body Works. These will be studied in conjunction with other core preliminary-level modules in Chemistry and Mathematics. Students also select modules from a range of options including Physics and other science modules, or languages.

Further Information about the School

Methods of Teaching

At Levels 4 and 5 (corresponding to first and second year), formal lectures and laboratory-based classes are supplemented by small-group tutorials and group project work, culminating in group presentations. At Level 6 (corresponding to final year) the objectives are to develop areas of current importance within the chosen degree programme. This is achieved through seminar-based sessions, with the opportunity for extensive discussion with specialists in the field. At this level the practical component is in the form of an extended research project carried out under the guidance of a member of staff and on a topic linked to the research activities within the School. The teaching and learning experience of students is fully supported by our extensively equipped Teaching and Learning Resource Centre.

Methods of Assessment

Student progress and attainment are assessed by a combination of formal examinations at the end of a module and continuous assessment of coursework, which may include: written reports of practical/research project work, library projects, workshop assignments and other appropriate defined work.

Use of Living Organisms in Undergraduate Teaching

Please see page 130.

Career Opportunities

All our degree programmes provide graduates with an excellent base upon which to continue studying towards a higher degree or to enter a career requiring general or specific graduate experience. Opportunities for graduates in the Biological, Biomedical, Biomolecular and Neurobiological sciences are varied and include:

- Agroindustry
- Biotechnology Research and Development
- Environmental Management and Research
- Conservation
- Biological Industries
- Healthcare
- Medical and Scientific Research
- Medical and Scientific Publishing
- Molecular Biology
- Paramedical Science
- Pathological Science
- Pharmaceutical and Biomedical Industries
- Public Sector Organisations
- Research Institutes
- Teaching
- Toxicology
- Wildlife Management and Research.

In addition, our graduates also achieve high levels of competence in many transferable skills attractive to a wide range of employers in the more general areas of industry, commerce, government and public service, administration and management. Finally, a degree in the biosciences can act as a stepping stone to further training in professional areas including teaching, medicine, dentistry, nursing, veterinary science or accounting.

Prizes and Awards

A number of prizes are awarded by the School in recognition of outstanding academic performance/progress. Many of these prizes are funded by industry and illustrate the strength of our external interactions.

Research

The School has an active and highly productive research culture currently comprising over 150 academic staff, many externally-funded researchers and over 130 postgraduate research students. The major areas of research strength are Biodiversity and Ecology, Connective Tissue Biology, Microbiology, Genetics, Molecular Cell Biology and Neuroscience.

Professor Sir Martin Evans FRS, DSc (Nobel Laureate and knighted for his pioneering work in mammalian genetics and stem cell research) is just one of many internationally renowned scientists who has initiated and led cutting-edge research in the School.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

Biochemistry, Molecular Biology, Biotechnology: AAB-ABB including Chemistry.

Biology, Ecology, Microbiology, Zoology, Genetics: AAB-ABB including Biology and preferably Chemistry.

Biomedical Sciences (Anatomy, Neuroscience, Physiology, Biomedical Science):

AAB-ABB including Biology, Chemistry and preferably Mathematics.

WBQ:

Biomolecular Sciences and Biomedical

Sciences: Pass in the core plus AA at A-level (inc. Chemistry and preferably Biology).

Biological Sciences: Pass in the core plus AA at A-level (inc. Biology and preferably Chemistry).

Int Bacc:

34 points with a minimum score of 6 in Biology and Chemistry at Higher Level.

Other: Applications from those offering alternative qualifications are welcome, as are those who may have combinations of qualifications or other relevant work/life experience.

All degrees

AS: Two AS subjects may be accepted in lieu of a third A-level.

GCSE: English or Welsh language (as applicable) and Mathematics to at least grade C if not offered at A-level.

Applications Information

Typical intake: **340**

Typical number of applications: **1,800**

Admissions Tutor

Biology, Ecology, Microbiology, Zoology:

Dr Peter Randerson

Tel: (029) 2087 4148

Biochemistry, Biotechnology, Genetics, Molecular Biology:

Dr Matthew Baker

Tel: (029) 2087 6201

Biomedical Sciences (Anatomy, Neuroscience, Physiology, Biomedical Science):

Dr Alvin Kwan Tel: (029) 2087 4654

All degrees:

Email: bioscience-ug@cardiff.ac.uk

Degree Programmes/UCAS Codes

Single Honours

Accounting BSc* N400**Accounting and Finance BSc*** N490**Business Management BSc** N201**Business Management (Human Resources) BSc** NN26**Business Management (Marketing) BSc** NN25**Business Management (Logistics and Operations) BSc** N291**Business Management (International Management) BSc** N202**Accounting with a European Language BSc**

- N410 (with French)
- N4R2 (with German)
- N4R4 (with Spanish)

Business Management with a European Language BSc

- N290 (with French)
- N1R2 (with German)
- N1R4 (with Spanish)

†Economics with a European Language BSc

- L160 (with French)
- L1R2 (with German)
- L1R4 (with Spanish)

Business Economics with a European Language BSc

- L1R9 (with French)
- L1RX (with German)
- L1RY (with Spanish)

Banking and Finance with a European Language BSc

- N3R9 (with French)
- N3R2 (with German)
- N3R4 (with Spanish)

Banking and Finance BScEcon N300**Business Economics BScEcon** L114**Economics BScEcon†** L100**Economics and Finance BScEcon†** LN13**Business Studies and Japanese BSc** NT12

Joint Honours

Accounting and Economics BScEcon LN14**Accounting and Management BScEcon** NN24**Finance and Management BScEcon** NN23**Economics and Management Studies BScEcon** LN12**Economics and a Humanities Subject**
See page 122, page 124

Degree Programme

*Available with ICAEW Undergraduate Partnership Programme. Many of our degree programmes have the same entry requirements. Therefore you do not need to apply for two Business School degree programmes which have the same entry requirements. We pride ourselves on our flexibility, and allow any applicant who is successful in gaining a place to transfer to any other degree programme within the School with the same entry requirements, either prior to coming to Cardiff or at the start of the course.

†BSc Economics (L100), BSc Economics and Finance (LN13) and the three BSc Economics with a European Language options, differ in requiring A-Level Mathematics, grade B.

At a Glance:

Employability/Careers

In 2010, 76% of the School's graduates were in employment within six months of graduation while a further 14% were engaged in further study.

Employers included: banks, local and international governments, shipping companies, auditors and airlines with organisations such as Deloitte, the European Commission, National Assembly for Wales, Rolls Royce, HSBC and L'Oréal.

Career destinations included: Accountant, Business Analyst, Economist, HR Manager, Lecturer, Marketing Executive, Production Manager and Stockbroker.

Research

In the most recent UK Government Research Assessment Exercise, Cardiff Business School was ranked 4th in the UK for its research quality. 70% of the School's research was ranked as either world leading or internationally excellent.

The School is ranked 2nd in terms of the proportion of its research which is world leading.

Facilities

The School has outstanding facilities. These include the Julian Hodge Lecture Theatre and Resource Centre. The School also has a state-of-the-art Trading Room which gives students practical experience of working on the Stock Exchange.

Find Out More

For more information about the School scan the QR code with your phone, or go to:
www.cardiff.ac.uk/carbs

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Cardiff Business School has a reputation for excellence in teaching and research which, together with its friendly atmosphere and good staff/student relationships, attracts students from all over the world and has earned it the support of both national and international businesses.

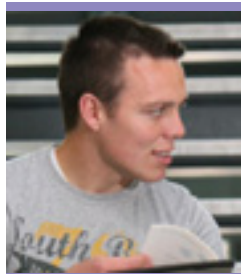
Cardiff Business School is the largest single academic school in the University and is located at the north end of the campus and close to the city centre. It is equipped with state-of-the-art lecture theatres, tutorial rooms and library facilities.

The School was ranked 4th out of over 90 Business Schools in the UK Government's 2008 Research Assessment Exercise. 70% of the School's faculty are considered world-leading or internationally excellent within their field. Our faculty produce 550 research publications a year covering all the main subject areas. The School's dynamic range of research interests serves to complement each degree programme with the latest knowledge of theory and practice from around the world, and it achieved the rating 'Excellent' in the last teaching quality assessment carried out by the Higher Education Funding Council.

As a Cardiff Business School student you will gain both conceptual understanding and an appreciation of business in real life. We regard this dual approach as essential in equipping you with the intellectual skills necessary to succeed in business-related vocations. The School has a long tradition of providing a high level of undergraduate teaching, and ensures these standards are maintained by regularly inviting its students to complete assessment forms on the content of their modules and the teaching methods employed.

You can be sure that your stay at Cardiff will not be confined to purely academic pursuits; numerous sporting and social events are promoted by student societies active within Cardiff Business School and more generally in the University.

Business *continued*



Luc Rasmussen
Business
Management
General Route

"The Business Management general route was a great option for me as I found that it gave me a good grounding in all aspects of Business. There is a great balance with all the modules available and the course keeps your options open."



Cardiff Business School is modern and well-equipped

Cardiff Business School offers a range of undergraduate degree programmes in the areas of accounting, business management and economics. For students who prefer a broader education, these subjects can be combined with a second discipline and we offer the following Joint Honours degrees:

- Accounting and Economics
- Accounting and Management
- Finance and Management
- Economics and Management Studies

In addition, students are able to combine the study of Economics with a range of other disciplines, including politics, philosophy and modern languages (full details on page 124).

For students who are keen to link Accounting, Business Management, Banking and Finance, Business Economics or Economics, with a European language, we offer the opportunity of combining these subjects with French, Spanish or German. Such degree programmes have the added attraction of a year's study at a university abroad to further develop language skills.

The School also offers a degree in Business Studies and Japanese which is detailed on page 50.

All degree programmes are of three years' duration, except those which include a language or a placement. Language degrees and placements are of four years' duration, with the third year being spent abroad or in work. You will take 120 credits in each year of your programme of study, made up of a combination of single and double modules, worth 10 credits and 20 credits respectively. For the degree programmes with a European language, you are expected to be taking an A-level in the appropriate language.

The first year of each degree programme provides a general introduction to the specific subject area and to related disciplines. For the first few weeks of your first and second years, you will have the opportunity to transfer between degree programmes within the School. This is of benefit to those who change their career aspirations or areas of interest after beginning their studies. Exceptions to this are the programmes with a European language and Economics which, as mentioned earlier, have specific entry requirements.

You must pass all of your first year modules in order to progress to Year Two. Years Two and Three then build on the knowledge which you have gained during your first year.

For most modules, your end of year results are based on a combination of assessed work and examinations, and your final degree classification is based on the results you obtain during your second and final years.

Accounting

Accounting may be studied as a Single Honours degree programme leading to a BSc in:

- Accounting or
- Accounting and Finance or
- Accounting with a European language (French, German or Spanish).

It can also be studied as a Joint Honours degree leading to a BScEcon in:

- Accounting and Economics or
- Accounting and Management or
- Finance and Management.

Whichever degree you choose, you will develop a sound knowledge of professional procedures and developments in accounting along with a broad theoretical underpinning.

For those interested in a career in accounting, the School is participating in the ICAEW's Undergraduate Partnership Programme (UPP) alongside Warwick and Manchester Business Schools. Available to students on the Accounting and Accounting and Finance programmes who satisfy minimum year one performance requirements, the UPP will give you the opportunity to undertake a one-year placement with an accounting firm or equivalent organisation as part of your studies.

This programme will become a four year scheme with the placement taking place between the usual second and third years. You will gain valuable work experience, the placement will also count as the first year of the ACA qualification and so you will qualify as a professional accountant in two, rather than three, years after graduation.

All accounting programmes provide exemptions from a number of examinations of all the major UK professional accounting bodies, namely:

- The Institute of Chartered Accountants in England and Wales
- The Association of Chartered Certified Accountants
- The Chartered Institute of Management Accountants
- The Chartered Institute of Public Finance and Accountancy.

For students not pursuing a professional careers in accounting, the programmes of study provide a sound background for finance-related career in commerce, industry or the public sector. Your first year modules provide an introduction to financial and management accounting and finance, together with other business-related subjects including economics, management, quantitative methods and legal studies.

More online at:
www.cardiff.ac.uk/carbs

Detailed course profiles:
www.cardiff.ac.uk/courses



Natalie Price
 BSc Accounting

"Cardiff has been a great place to study, with excellent facilities and very helpful staff; which I am sure has given me a great start in hopefully a successful Accounting career."

The £4million Resource Centre adjacent to the School provides state-of-the-art facilities for teaching and learning

In Years Two and Three the modules you take will be determined by your chosen degree programme (Single or Joint Honours). Options available to Single Honours students include specialised aspects of accounting, finance, commercial law, quantitative analysis and a variety of management, marketing and economics topics.

Business Management

Business Management may be studied as a Single Honours degree programme leading to a BSc in:

- Business Management or
- Business Management (Human Resources) or
- Business Management (Marketing) or
- Business Management (Logistics and Operations) or
- Business Management (International Management) or
- Business Management with a European Language (French, German or Spanish).

It can also be studied as a Joint Honours degree leading to a BScEcon degree in:

- Accounting and Management or Finance and Management or Economics and Management Studies.

- Business Management can also be studied as a Joint Honours degree programme with Japanese, leading to a BSc in Business Studies and Japanese. Details are on page 50.

Several degree programmes are available in the area of business management. You can take a general degree in business management, or opt for one of the specialist routes in human resources, marketing, logistics and operations or international management. In all cases, the modules will provide a good grounding for a career in general management or in one of the specialist management functions, such as marketing, operations or human resources. The International Management route has been designed to reflect the increasingly global reach of business activity.

For all of the Business Management programmes there is a common first year. After Year 1, you can choose to continue with broad coverage of all the business disciplines in the general Business Management degree or take one of the specialist routes.

In the second and third years of all the Business Management degree programmes there is further scope to choose from a broad range of modules that reflect the research expertise of Business School academics and current developments in the business world. You will be able to choose from a variety of modules on knowledge management, the management of diversity, small business development, the management of public services, business ethics, supply chain management and strategic marketing. Students taking the Business Management (International Management) route and satisfying minimum Year 1 performance requirements have the opportunity to spend the second semester of their second year studying at one of our European partner universities.

Throughout the programme there is an emphasis on developing a solid core of knowledge in business management, while allowing students to specialise in areas they find interesting and which reflect their career aspirations.

Students who choose a specialist route in logistics and operations may be entitled to exemptions from some of the examination requirements of the Institute of Logistics and



Cardiff Business School's Trading Room is sponsored by EUREX, OSTC, and the Welsh Government

Transport and the British International Freight Association.

Those who choose to take the specialist route in marketing will gain exemption from some of the professional examinations of the Chartered Institute of Marketing.

Economics

Economics can be studied as a Single Honours degree programme leading to a BScEcon in:

- Economics
- Business Economics
- Banking and Finance
- Economics and Finance.

Economics can also be combined with French, German or Spanish, leading to a BSc in:

- Economics with a European Language
- Business Economics with a European Language
- Banking and Finance with a European Language.

Economics can also be studied as a Joint Honours degree leading to a BScEcon degree in:

- Accounting and Economics
- Economics and Management Studies.

It can also be combined with a range of other disciplines, including Politics, Philosophy and Modern Languages (full details on page 124).

The Economics degree programmes are designed to provide you with balanced programmes of study through a combination of compulsory modules in mainstream economic theory and optional modules in chosen specialist areas. The degrees therefore provide a solid basis for a wide range of careers relating to the economics discipline.

Whichever degree programme you choose, in the first year of study you will take modules in micro and macroeconomics, quantitative methods and, for most degree programmes, economic history, as well as optional modules chosen from a wide range of subjects including aspects of economics, accounting, management and legal studies.

During your second and third years you will study compulsory modules in various areas of economic theory, with specialist options determined by your chosen degree programme and to suit your own particular interests and career aspirations.

The second year module, Money, Banking and Finance, offers undergraduates the opportunity to work in our trading room and gain invaluable experience for careers in finance. Additionally all undergraduates can utilise the trading room in extra-curricular activities via the Cardiff University Investment Society (which runs a Live Forum via Facebook) and the Thomson Reuters certification.

Every Thursday the School hosts the Financial Forum, led by Anthony Davies, Global Business Manager at JP Morgan Chase. Anthony leads discussion on the weeks' market movements to give students a better understanding of the ways in which the markets work.

Business Economics

This degree programme is specifically designed to bridge the gap between theory and practice in the area of economics directly relevant to business, in particular, decision making. The programme of study provides you with a firm base in economic theory and at the same time introduces you to the factors which complicate decision making in practice.

Banking and Finance

The Banking and Finance degree programme offers the opportunity to study within the discipline of economics and acquire specialist knowledge of the development and function of monetary and financial systems. This programme of study provides you not only with a solid training relevant to the practice of banking and other financial careers, but also with exemption from certain examinations of the Chartered Institute of Bankers.

More online at:
www.cardiff.ac.uk/carbs

Detailed course profiles:
www.cardiff.ac.uk/courses



One of the main lecture theatres

Degrees with a European Language

Cardiff Business School offers the possibility of combining accounting, business management, banking and finance or economics with French, Spanish or German as a four-year degree programme. The third year is spent in a higher education institution in France, Spain, Germany or Austria and the degree programme includes modules in French, Spanish or German in each year of study in Cardiff.

In effect, you will be combining the main subjects from the related specialist degree with intensive study of your chosen language in the first two years. In the third year, you will take modules equivalent to the second year of the specialist degree, but your studies will be carried out at a French, Spanish, German or Austrian university. The fourth year will be spent in Cardiff, where your studies will be equivalent to the final year of the specialist degree, combined with further language tuition.

Teaching and Methods of Assessment

Teaching follows a traditional structure of lectures, supported by regular classes in smaller groups.

Classes constitute a more informal learning environment and are designed to test and consolidate understanding of lecture topics, facilitated by class tutors. Final degree classifications* are based on a weighted average of coursework and exam marks achieved in the second and final years (weighted 40% and 60% respectively).

*With the exception of degrees with a modern language (for details please contact an admissions tutor).

Visiting the Business School

Cardiff Business School holds several Open Days from January to March and invitations are sent automatically to all applicants who receive an offer of a place. As a prospective student, you are strongly encouraged to attend one of the Open Days to meet members of academic staff and current students. In addition, general Open/Visit Days are held at the University in April and September. If you are interested in attending a general Open Day please contact the University's Schools Liaison Office on (029) 2087 4455 or Email: openday@cardiff.ac.uk

Career Prospects

The Business School's undergraduate degree programmes provide a sound basis for a range of careers in commerce, industry and the public sector. National and local employers have a high regard for the quality of education our graduates receive and make significant efforts to recruit them. In the past, Business School graduates have quickly progressed in careers in accountancy, personnel management, marketing, banking and other business-related fields.

Some Business School graduates who have shown an aptitude for academic studies choose to study for higher degrees. The School offers supervision for degrees by research, as well as a range of taught programmes in Business Administration, Accounting and Finance, Banking, Human Resource Management, Economics, International Transport, Marine Policy, and Marketing and Strategy.

Prizes and Awards

A number of prizes are awarded by the Business School in recognition of outstanding academic achievement. Many of these prizes are sponsored by industry and reflect the excellent relationships that exist between the Business School and local and national businesses.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

AAB from any combination of not more than three A-levels.

For degrees with a European Language one of the A-levels must be in the language that you intend to study as part of your degree programme. L100 Economics and LN13 Economics and Finance, as well as L160, L1R2, and L1R4 (Economics with a European Language), require A-level Maths at grade B or above.

WBQ:

Pass in the Core plus AA from two A-levels.

Int Bacc:

35 points, including Mathematics and English (Standard level) with scores of 5. For degrees with a European language one of the IB options must be in the language that you intend to study as part of your degree programme. L100 Economics, LN13 Economics and Finance and the three Economics with a European Language options require Mathematics at 6SL or 5HL.

Other: Applications from those offering alternative equivalent qualifications are welcome, as are those who may have other relevant work/life experience. Please contact the admissions tutors for more information.

All degrees

GCSE (or equivalent): Mathematics at grade B or above and English at grade C or above.

Applications Information

Typical intake: **550**

Typical number of applications: **3,500**

Admissions Tutors

Accounting, Accounting and Finance, Accounting with a European Language, Accounting and Economics, Accounting and Management, and Finance and Management:

Patrick Wylie, Dr Louise Macniven

Banking and Finance, Business Economics, Economics, Economics and Finance, Economics programmes with a European Language, Economics and Management Studies, Economics Joint Honours Programmes: **Dr Kevin Stagg**

Business Management Degrees, Business Management with a European Language:

Andrea Beetles, Dr Saeed Heravi

Business Studies and Japanese:

Dr Christopher Hood Tel: (029) 2087 4959
 Email: cjcs@cardiff.ac.uk

Admissions Office:

Wendy Brown Tel: 029 2087 6227
 Email: business-ug@cardiff.ac.uk

Japanese Studies

More online at:
www.cardiff.ac.uk/cjsc

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programme/ UCAS Codes

Business Studies and Japanese BSc
NT12

French and Japanese BA
TR21

German and Japanese BA
TR22

Italian and Japanese BA
TR23

Spanish and Japanese BA
TR24



Cardiff is in the heart of an area containing one of the highest concentrations of Japanese manufacturing investment in Europe. The Cardiff Japanese Studies Centre is recognised as a leading centre for Japanese Studies in the UK.

If you pursue one of Cardiff's innovative degree programmes involving Japanese, you will find yourself gaining a particularly worthwhile qualification in a period of increased internationalisation. Only a very small number of institutions in the UK offer Japanese at undergraduate level.

At Cardiff you can combine the study of Japanese and Japan with either Business Studies or a European Language.

All the degree programmes with Japanese involve a period spent in Japan. To make the stay a more profitable one, the Centre has links with a number of leading universities in Japan which act as host to our students.

Joint Honours BA

The Joint Honours BA degree programmes involve students in studying Japanese language and society and one European language from a choice of French, German, Italian and Spanish. These degree programmes have a similar structure to that of other Joint Honours BA language degree programmes.

In the first year, you will take modules which are designed to introduce the language and its writing system, as well as key points from Japanese history.

In the second year you will take three modules, which are designed to increase the facility with which you can comprehend and use more advanced Japanese. At the same time, your knowledge of Japan and Japanese society is increased through lectures and seminars on modern Japanese society.

In the third year of study, you will spend approximately half the year in the relevant European country and half in Japan. You will then return to Cardiff for the final year. More advanced study of the Japanese language during this year is accompanied by modules relating to modern Japan.

For general details, please see the Cardiff School of European Languages, Translation and Politics entry on page 77.

BSc Business Studies and Japanese

Japan is an exciting country, and one that inspires much interest. Moreover, Japan is an important country, particularly in business. Its economy is roughly the same as those of the United Kingdom, France and Italy combined. Japan is also a country that is changing in many areas.

Businesses and other organisations will continue to need graduates who can understand Japan. The Business Studies and Japanese course is designed to provide students with a sound knowledge of business, enable them to become proficient in Japanese and to gain a clear understanding of Japan itself. This is a four-year degree of which the third year is spent in Japan.

In the first two years of the BSc in Business Studies and Japanese course you take modules from the Business Management degree programme and begin your study of the Japanese language and Japan (studying the same Japanese modules as the Joint Honours BA students).

The year in Japan is spent studying at a Japanese university with which the Centre has an exchange agreement. By this stage you should have a sufficient command of the spoken language to operate comfortably in Japan and to gain the maximum benefit from your period of study. In the final year, you return to Cardiff to continue your business studies and also to further augment your knowledge of the Japanese language and Japan through more advanced study of the Japanese language and by modules relating to modern Japan.

Career Prospects

There is still a significant shortage of people with competence in the Japanese language and an understanding of the intricacies of Japanese culture and working practices. As a result there is a considerable range of career prospects, particularly in the commercial sector. Graduates of the different degree programmes with Japanese tend to be in high demand. Many graduates also successfully apply for the Japan Exchange and Teaching (JET) Programme, run by the Japanese government, which gives them the opportunity to live and work in Japan for up to three years.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

BA: Cardiff School of European Languages, Translation and Politics page 77

BSc: Cardiff Business School page 49

Admissions Tutor

Dr Christopher Hood

Tel: (029) 2087 4959

Email: cjsc@cardiff.ac.uk

Find Out More

For more information about the School scan the QR code with your phone, or go to:
www.cardiff.ac.uk/carbs/cjsc

You can also download our brochure from:
www.cardiff.ac.uk/carbs/cjsc



Chemistry

More online at:
www.cardiff.ac.uk/chemy

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/ UCAS Codes

Chemistry MChem

(4 years) F103

Chemistry BSc

F100

Chemistry with a Year in Industry MChem

(4 years) F104

Chemistry with a Year Abroad MChem

(4 years) F102

Chemistry with Industrial Experience BSc

(4 years) F101

At a Glance:

Research

In the most recent UK Government Research Assessment Exercise all the School's research was rated of at least international standard with 60% of it classed as internationally excellent or world leading.

Facilities

Cardiff University has invested more than £14million in the Cardiff School of Chemistry in recent years. This has provided a first-class teaching and research environment.

Careers/Employability

In 2010, 92% of the School's graduates were in employment or further study within six months of graduation.

Employers included:

AstraZeneca Pharmaceuticals, 3M, Cadburys, International Patent Office, Johnson & Johnson and the Ministry of Defence.

Career Destinations included:

microbiologist, research scientist, chemistry teacher and laboratory technician.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/chemy

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
 Email: enquiry@cardiff.ac.uk



Cardiff School of Chemistry combines teaching excellence with cutting-edge research and this in conjunction with extensive industrial contacts offers our students a first-class learning opportunity and a secure start to their careers.

Our degree programmes cater for individual interests and aspirations while satisfying the expectations of national bodies – all our MChem programmes are accredited by the Royal Society of Chemistry (RSC).

MChem Degree Programmes

Our flagship four-year MChem programmes are designed for those intending a professional career in chemistry, either in an academic or industrial environment, in general scientific research or research management. Our well-established MChem programmes were recently re-accredited by the RSC to ensure they meet the highest national standards for Chemistry degrees.

Two further MChem programmes are available: Chemistry with a Year in Industry and Chemistry with a Year Abroad. In both cases, the third year is spent away from Cardiff, either in the laboratories of a company undertaking research or development related to chemistry, or following a research programme in an overseas university in Europe, North America or Australia. A dynamic range of distance learning modules are provided to enhance academic development and maintain close contact with tutors. These programmes are subject to availability of suitable placements.

BSc Degree Programmes

The three-year BSc Chemistry programme offers a broad coverage of the subject suitable for those planning a career in chemistry-related science or chemical education. The four-year programme, BSc Chemistry with Industrial Experience, is a sandwich programme, identical in academic content to the respective three-year programme but including one year (the third) in industry, and is also subject to the availability of suitable placements.

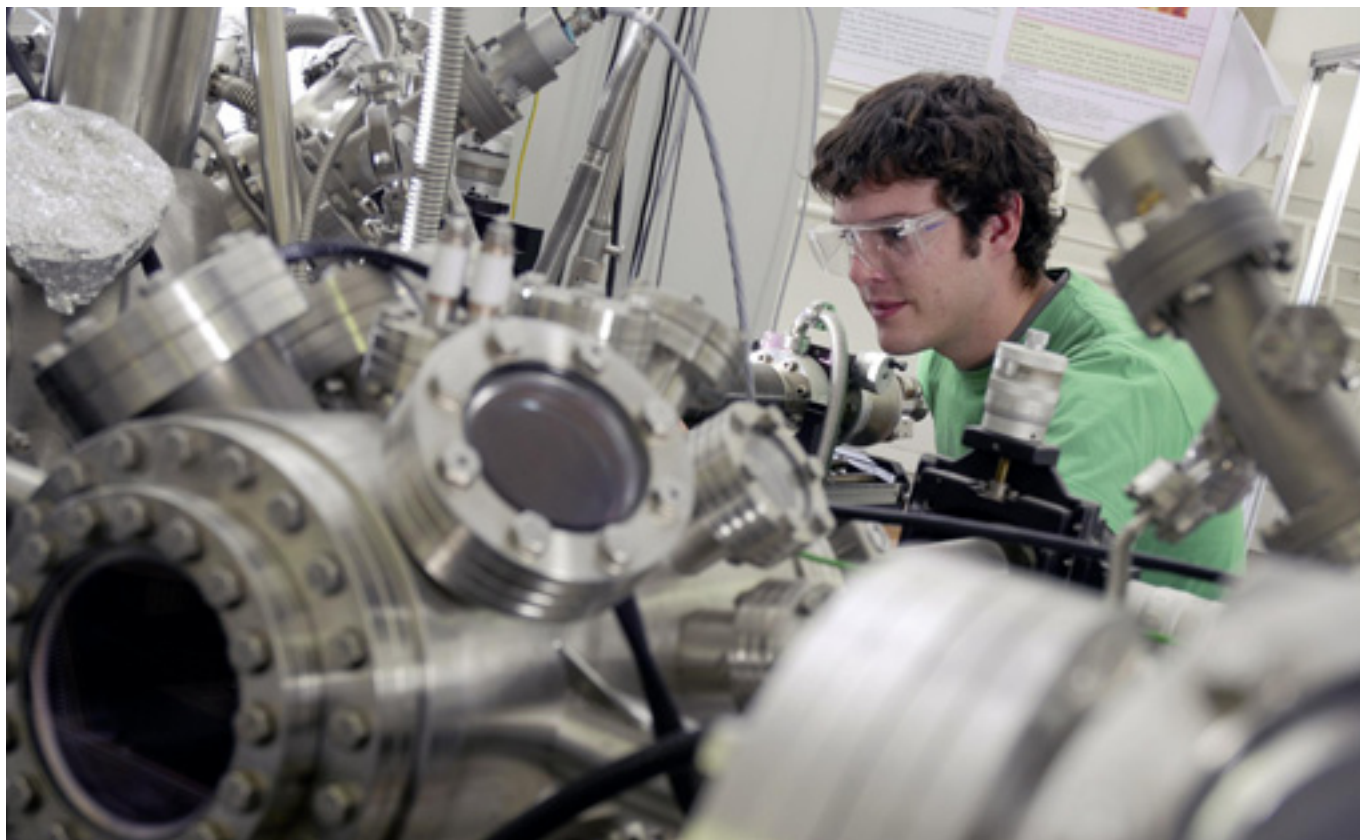
All our degree programmes are flexible and students have the opportunity to change between the MChem and BSc schemes as well as the year in industry or abroad up until the end of the second year of the course.

Teaching and Pastoral Care

Teaching in Cardiff is delivered by a mix of younger and experienced staff members who are diverse internationally and in terms of chemistry backgrounds. Areas of speciality include synthetic chemistry, nanotechnology, catalysis and chemical biology and are continually updated to reflect the latest scientific breakthroughs. We pride ourselves on imparting these principles and practices throughout our degree programmes culminating in a substantial research project.



A continuing programme of laboratory refurbishment provides the most up-to-date facilities

Chemistry *continued*

Research projects give students opportunities to use the very latest equipment such as Cardiff's unique £1.5million multi-faceted spectrometer-microscope array



Wei Lu
Chemistry

"I chose to study Chemistry as I really enjoyed my A-level Chemistry course and am particularly interested in how compounds are synthesised in organic chemistry. I really enjoy lab time, making copious amounts of vibrant compounds! Everyone seems to know everyone in our School and the tutors and lecturers are friendly and approachable – and they know what they're talking about!"

Aside from work Wei Lu can be found playing squash and is involved with Cardiff RAG, raising funds for good causes.

Research projects allow students to employ skills learnt in the teaching laboratory in a research environment, working under the supervision of one of our experienced staff members.

They are trained to use a wide variety of instruments and spectroscopic facilities housed within the school. These can include equipment such as microreactors, fluoroscimeters and X-ray photon spectrometers alongside NMR, IR and MS which constitute the solid basis upon which chemical analyses are formed.

The methods of teaching involve hour-long lectures (about 10 each week) and practical classes (10-12 hours each week), supplemented by problem-solving 'workshops' and a programme of regular small-group tutorials throughout each year. All our staff are approachable and with an excellent student-staff ratio of 10:1 all are willing to help with any academic difficulty. In addition, every student has a personal tutor who can advise on any academic or personal problem. The undergraduate laboratories have all been refurbished to a high standard and provide first-class facilities for the extensive practical and project work. The wide array of chemical instrumentation combined with a successful research school is also available to undergraduates as part of a significant research project.

Structure of Chemistry Degree Programmes

In the first year, three-quarters of the time is spent on compulsory modules covering the breadth of the subject. In the remaining time, optional topics may be chosen from a range which currently includes environmental chemistry, or in chemical biology, forensic chemistry, new materials, energy sources, and a choice of language modules. A module in mathematical methods is taken by those without a suitable grade in A-level Mathematics.

The later years of all programmes include core topics across the entire range of chemistry, for example sustainability, advanced materials and drug design. These give a thorough appreciation of the nature of interdisciplinary chemistry. The MChem programmes share common core components with the BSc in Chemistry during the first two years, and continuation on them is dependent on excellent performance. The teaching arrangements vary among the three MChem programmes, but all include training in research methods, a personal research project, advanced laboratory experience, and a choice of topics taught to the frontier of the subject.

More online at:
www.cardiff.ac.uk/chemy

Detailed course profiles:
www.cardiff.ac.uk/courses



Students have access to excellent computing facilities

Experience away from Cardiff

A year in industry is offered in the MChem and the BSc routes. In the MChem with a Year in Industry, a substantial amount of academic work is carried out, as well as the work tasks assigned by the industrial host (the 'job' will be very similar to that of a new member of staff) and the entire year is assessed as part of the degree.

In the BSc programme with Industrial Experience, the placement offers the opportunity for paid work experience, itself very valuable, but without the additional academic requirements and assessments. Students can expect a competitive salary for the duration of both industrial placement courses.

The MChem with a Year Abroad follows the same pattern as the MChem with a Year in Industry, but the third year is spent in an overseas university. This will involve the same programme of academic work required for the Year in Industry, as well as an extended supervised research project as a junior member of a research group in the host institution. In some cases this will require appropriate language skills, and opportunities are provided during the first two years to develop these.

Assessment

Assessment is by written examinations held at the end of each semester, and by regular assessment of practical and other coursework. The final degree class is awarded on work undertaken throughout the course (apart from the first year), including practical and project work, as well as the written papers at the end of each semester.

Apart from the formal assessments contributing to the degree classes, students receive regular informal feedback to help identify and rectify individual needs and ensure a steady development.

Careers in Chemistry

Chemistry lies at the heart of modern science and technology, embracing mathematics and physics on one hand and medicine and the life sciences on the other. It also provides a broad education with development of key skills. As a result, the range of careers open to chemists is very extensive and our graduates have been very successful in obtaining positions either after the first degree or, as many do, after further study for MSc, MPhil or PhD degrees.

Many enter chemical work in industrial research, development or production, or in academic or government establishments. Some use chemical analysis in environmental or clinical areas, or in quality control throughout the manufacturing industry. Others use the logical and practical training of a chemistry degree to enter the marketing, sales or management aspects of industry, as well as scientific journalism or publishing. Some have moved into the finance and legal professions as well as teaching.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

MChem: AAB-ABB including grade A in Chemistry.

BSc: ABB-BBB including grade B in Chemistry.

WBQ:

MChem: Pass the Advanced Diploma and AB at A-level, including A in Chemistry.

BSc: Pass the Advanced Diploma and BB at A-level, including B in Chemistry.

Int Bacc:

MChem: 34 points, including 6 in Chemistry and 2 other Sciences at Higher Level.

BSc: 32 points, including 6 in Chemistry and 2 other Sciences at Higher Level.

Other: Applications from those offering alternative equivalent qualifications are welcome, as are those who may have other relevant work/life experience. Entry may be made through the Preliminary Year for students with a strong background but without the usual formal qualifications in Chemistry. See page 128.

Specific Subjects

Chemistry and ideally at least one other science or mathematical subject. Also grade C or higher in GCSE Maths and English or Welsh (as appropriate).

Applications Information

Typical intake: **100**

Typical number of applications: **450**

Admissions Tutor

Dr Tom Tatchell

Tel: (029) 2087 0759

Email: chemistry-ug@cardiff.ac.uk

City and Regional Planning

(including Human Geography)

Degree Programmes/ UCAS Codes

City and Regional Planning BSc

(4 years) K446

(3 years) K490

Geography (Human) BSc

L700

Geography (Human) and Planning BSc

LK74

At a Glance:

Employability/Careers

In 2010, 92% of the School's graduates were either in employment (58%) or engaged in further study (34%) within six months of graduation. The courses equip students with a wide range of transferable skills that open up numerous career opportunities.

Employers included: national and local governments, business consultancies, sustainable energy centres, environmental agencies, housing strategy companies, construction companies, surveyors and universities.

Career destinations included: graduate training programmes, development officer, environmental officer, planning officer, surveyor, transport planner, research officer and teacher.

Research

In the most recent UK Government Research Assessment Exercise 90% of the School's research was rated at least of international standard with 65% of it classed as internationally excellent or world leading. It has been consistently rated the top planning school in the UK in terms of its research environment and number of world-leading researchers.

Course Quality

In 2011 95% of students expressed overall satisfaction with the quality of their course in the National Student Survey.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/cplan

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The School is a renowned centre of research and teaching excellence in the fields of geography, planning and spatial analysis and offers a suite of courses that provide students with a stimulating educational experience and a firm basis for graduate-level entry into employment.

Our courses focus upon the built and natural environments and the impacts of economic, social, political and cultural change. While geography provides the theoretical and analytical skills to understand both the nature of change and its impacts, planning translates this understanding into action to ensure a better quality of environment for present and future generations.

The School is the largest of its kind in the UK, with over 70 teaching, research and support staff. However, staff-student numbers are favourable and there is considerable expertise available for students to be able to pursue their specialist interests.

A number of our courses are recognised by professional bodies. Professional recognition improves the employability of our graduates and also means that the School enjoys close relationships with employers in the private and public sectors. External speakers who provide insights into the links between academic ideas, policy and practice are a regular feature of the teaching programme.

As well as their subject expertise, all the degree programmes teach a rich array of transferable skills so that students develop high levels of literacy and numeracy, excellent IT and data analysis skills, a wide range of presentational skills and group working techniques. Graduates have numerous career opportunities. Although many students will wish to pursue a planning career in the private or public sectors, others will decide to pursue employment outside of planning. Our students are highly employable in a wide number of professions, such as retail, accountancy and HR, and many graduates go on to further academic study.

Students will often wish to continue their studies within the School by joining one of our Masters courses. The Masters courses provide further opportunities for students to develop their specialist expertise in areas such as Sustainability, Regeneration, Transport, or Urban Design, and gain professional accreditation.

The School has an outstanding record of academic achievement. Its teaching has been rated as 'excellent' and it has been consistently ranked the top planning school in the UK in terms of its research environment and number of world-leading researchers. It makes for an invigorating environment in which students can pursue their academic and professional development.

BSc City and Regional Planning

This is a full-time spatial planning degree available as a three-year course or four-year course with a placement year in practice. The degree delivers the essential theory and techniques for spatial planning at international, national, regional and local levels. The course equips students with the capacity to manage today's most pressing urban and rural challenges. Students develop important skills in project organisation, practical problem solving, and written, verbal and graphic presentation.

The first year focuses on developing analytical and creative skills. Students learn how to analyse places, interpret plans and understand the core principles of spatial planning. Students focus on the economic principles that shape behaviour, and how planning shapes society and interfaces with the development process. The first year has an introductory field trip.

In the second year students learn the essentials of planning law, why cities develop in particular ways, and how planning can deliver more sustainable places. There is an emphasis on project work, including designing schemes for new developments and other consultancy-style projects. Students also acquire further skills in how to research planning issues and use Geographic Information Systems for spatial analysis.

At the end of the second year, students on the four year course (K446) enter planning practice for a placement year. This introduces students to the real world of planning and provides them with a competitive edge in graduate recruitment. Students are placed, subject to availability, in salaried positions with planning agencies for a period of supervised work experience. Employers include private planning consultancies, county and district councils, central government, infrastructure providers and transport organisations. The experience is capable of recognition by the Royal Town Planning Institute (RTPI) and Royal Institution of Chartered Surveyors (RICS) towards practical experience requirements and is certificated by City and Guilds.

The final year of both courses addresses planning in different European and international contexts and encourages students to reflect critically on the theory and practice of planning. There is a continuing emphasis on group and individual project work, with the opportunity for students to design and implement their own research project.

Students select optional modules from within the School's specialisms, including urban design, sustainability, regeneration, housing and transport. These options relate closely to the specialist Masters degrees offered by the School.

The combination of a professionally-recognised spatial planning degree and a specialist Masters degree, with the opportunity of also securing professionally-recognised practical experience, provides a competitive edge in the employment market.

BSc Geography (Human)

Geography is one of the most popular social sciences because it addresses pressing global, social and environmental trends, and engages with the major intellectual issues and policy questions of our age. This degree allows students to specialise in human geography without the need to study physical geography.

The first year provides a foundation in human geography as well as data analysis skills. Students learn about the historical development of human geography and its key contemporary themes. This provides the building blocks for years two and three. The first year also has an introductory field trip.

In the second year students are introduced to geographical ideas, philosophies and concepts that inform current human geography, as well as issues concerned with cultural, economic, social, and political geography. Training is also provided to enable students to undertake their research dissertation. The second year has a UK field trip.

In the third year students will complete their research dissertation and engage with contemporary debates in human geography. Students will then have a choice of several optional modules, enabling them to specialise in particular areas of human geography. The third year includes an overseas field trip.

Good graduates will be eligible to proceed to Masters degrees offered by the School, including the MSc Geography, Policy and Practice, or PhD study.

BSc Geography (Human) and Planning

This degree offers the opportunity to acquire an understanding of key themes and applications of contemporary human geography, while also acquiring a good grounding in planning. It allows students to specialise in human geography and planning without the need to study physical geography. It allows students to apply theoretical and analytical components of human geography to real-world situations, providing a critical appreciation of the ways in which spaces, places and environments are shaped by policy and practice. As students progress through the degree they can choose to specialise in human geography or planning.

The first year provides a foundation in geography and planning concepts, as well as data analysis skills. Students learn about the key dimensions of contemporary human geography and the development of spatial planning in the UK. The first year also has an introductory field trip.

In the second year students are introduced to geographical ideas, philosophies and concepts that inform current human geography, as well as issues concerned with cultural, economic and political geography. In relation to planning, students learn about planning law and practice, and environmental policies and planning. Training is also provided to enable students to undertake their research dissertation. The second year has a UK field trip.

In the third year students will complete their research dissertation and learn about the connections between human geography and planning. Students will then have a choice of several optional modules, enabling them to specialise in particular areas of human geography and planning. The third year includes an overseas field trip.

Good graduates will be eligible to proceed to Masters courses offered by the School, including the MSc Geography, Policy and Practice, or PhD study in the School.

Professional Recognition

The School collaborates closely with professional bodies to ensure that its degrees deliver the expected curricula and equip students with the employability skills needed for practice. These include the Royal Institution of Chartered Surveyors (RICS) and the Royal Town Planning Institute (RTPI). The School has strong links with practice and there are different pathways for graduates of the School to secure professionally-recognised qualifications.

The BSc City and Regional Planning degree is recognised by the RTPI as a spatial planning degree and is fully recognised by RICS. Students can also progress to a specialist Masters degree for full recognition by the RTPI. Graduates of our other programmes can progress to a combined Masters degree for recognition by the RTPI. Several Masters degrees are also recognised by other professional bodies, providing students with access to multiple professional membership. Students are supported and counselled by staff to help them make the most appropriate choices.

The School offers specialist Masters degrees in Urban Design, Sustainability, Planning and Environmental Policy, Regeneration Studies, and also Transport and Planning. It also offers two combined Masters degrees which allow students from any degree background to study for an Royal Town Planning Institute recognised qualification. These are in Planning Practice and Research and also International Planning and Development.

Sophie Williams

City and Regional Planning

"I have always had an interest in Planning and the course at Cardiff allowed me to further my interests as well as gaining the benefits of Cardiff as a great capital city! Following an enjoyable and valuable placement year, I am now in my final year, taking advantage of the wide range of option modules available. These have helped me develop a specialism and decide on my choice of Masters degree."

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

City and Regional Planning (K446 and K490):

AAB-ABB, no set combination of subjects.

Geography (Human) (L700):

AAA, including Geography.

Geography (Human) and Planning (LK74):

AAA-AAB, including Geography.

WBQ:

City and Regional Planning (K446 and K490):

Pass Advanced Diploma plus AA-AB at A-level, no set combination of subjects.

Geography (Human) (L700): Pass Advanced Diploma plus AA at A-level, including Geography.

Geography (Human) and Planning (LK74):

Pass Advanced Diploma plus AA at A-level, including Geography.

Int Bacc:

City and Regional Planning (K446 and K490):

34-33 points.

Geography (Human) (L700): 35 points.

Geography (Human) and Planning (LK74):

35-34 points.

Other: Applications from those offering alternative equivalent qualifications are welcome, as are those who may have other relevant work/life experience.

All degrees

All applicants must normally have passed English Language and Mathematics at GCSE (at least grade C) or have an equivalent qualification. General Studies is not normally accepted.

Applications Information

Typical intake: **90**

Typical number of applications: **275**

Admissions Tutor

For further information please contact our student support office:

Tel: (029) 2087 6087

Email: planning-ug@cardiff.ac.uk

Computer Science & Informatics

Degree Programmes/ UCAS Codes

Single Honours

Business Information Systems BSc

(3 years) G500

Business Information Systems with year in industry BSc

(4 years) G501

Computer Science BSc

(3 years) G400

Computer Science with year in industry BSc

(4 years) G401

Computer Science with High Performance Computing BSc

(3 years) GLGK

Computer Science with High Performance Computing with year in industry BSc

(4 years) GKGL

Computer Science with Security and Forensics BSc

(3 years) G4F4

Computer Science with Security and Forensics with year in industry BSc

(4 years) GKF4

Computer Science with Visual Computing BSc

(3 years) G4G7

Computer Science with Visual Computing with year in industry BSc

(4 years) GKG7

Computer Systems Engineering BSc

(3 years) GH46

Software Engineering BSc

(3 years) G600

Software Engineering with year in industry BSc

(4 years) G601

Joint Honours

Computing and Mathematics BSc

(3 years) GG14

Computing and Mathematics BSc

(4 years) IG11

At a Glance:

Employability/Careers

In 2010, 86% of the School's graduates were either in employment (73%) or engaged in further study (13%) within six months of graduation.

Recent graduates have taken up positions with the Civil Service, BT, Deloitte, IBM, Thomson Reuters, GCHQ, General Dynamics, and the MoD. Others have chosen further study or research at Cardiff or other top universities.

Research

The School has a global reputation for its strong and dynamic research culture. In the most recent UK Government Research Assessment Exercise 95% of the School's research was rated at least of international standard with 70% of it classed as internationally excellent or world leading.

Facilities

The School is housed in a multi-million pound building complex in the centre of Wales' capital city. We have five dedicated multi-platform teaching laboratories, as well as state-of-the-art teaching and seminar rooms. The majority of teaching labs are accessible 24 hours a day, seven days a week.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/comsc

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The exciting and dynamic subjects of Computer Science & Informatics underpin many aspects of modern life. Our stimulating and cutting-edge degree programmes will give you a real advantage in the job market with a qualification that will be highly regarded by employers.

Our degrees cover a range of skills from the technical design and implementation of software solutions through to the organised management of information.

Excellent Teaching

Our multidisciplinary research shapes our degree programmes, making them relevant to today's employers and well placed to take advantage of tomorrow's developments. In the most recent UK Teaching and Quality Assessment exercise, our teaching was awarded the highest rating.

We believe professional accreditation is important, BCS, the Chartered Institute for IT regularly reviews our single honours undergraduate degree programmes.

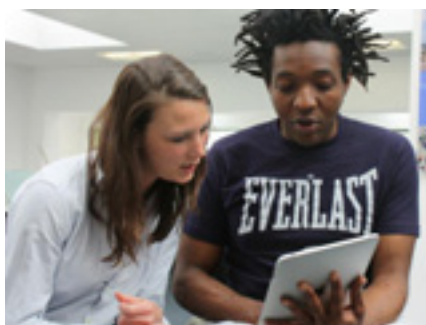
Year in Industry

Enhance your CV and boost your employment prospects by choosing your degree with a year in industry. Selecting this popular option would allow you to take a year-long work placement within a relevant company in a salaried post between taught years two and three. The valuable skills and experience you would gain during your placement are highly favoured and in-demand from potential employers. The School works alongside professional placement consultants to ensure you have access to a broad variety of placement opportunities, in addition to providing constant support and guidance throughout the entire process. You also have the option of arranging your own placement if appropriate.

Noel Muteham
Computer Science

"My degree in computer science gave me the wide ranging experiences, knowledge and skills to tackle all the roles I have had since graduating."

Noel Muteham studied BSc Computer Science and is now a Technical Design Manager/IT Consultant with BT.



The School's excellent teaching, laboratory and library facilities support both individual and group study.

Computer Science

Involving a mixture of both theoretical and practical aspects, the Computer Science degree programme will equip you with the expertise necessary to analyse problems and program computer-based solutions. You will gain the transferable technical, analytical and professional skills that employers require.

Year 1 of the programme is broad based, introducing you to the essential computing skills and concepts that will form the basis of your degree. These include problem solving using fundamental algorithms in the Python and Java™

programming languages, an understanding of Internet computing and systems modelling.

Year 2 builds on the foundations of the first year. The modules taught will expand your understanding, skills and experience by introducing more advanced topics. The structure and processing of data are explored and you will take part in a group project tackling real world problems in the areas of system development and implementation.

Year 3 will focus on advanced topics such as image processing and multimedia or advanced databases, as well as information systems management. Contemporary themes such as computer forensics and techniques used in scientific computing are also available as optional modules to study. During this year you will complete an individual project under the supervision of a member of our academic staff.

Focus Your Degree

We offer themed versions of the BSc Computer Science degree programme in the following areas:

High Performance Computing – This programme focuses on large-scale computer systems and the techniques required to use them efficiently. It offers an appreciation of this increasingly important field of computing associated with computational science, cluster and cloud-based computing, data warehousing and large-scale transaction processing.

Security and Forensics – This programme will provide you with a firm understanding of the principles, tools and technologies needed to ensure that an organisation's investment in Information and Communications Technology meets its needs in a secure manner.

Visual Computing – As well as the fundamentals of computer science, you will study how computers can obtain, process, represent and understand visual data, such as images, video and 3D representations. In addition you will develop in-depth skills in areas such as graphics, image processing and visualization.

Business Information Systems

The management of an organisation's computing and communication infrastructure is essential to its success. Information systems hold the knowledge an organisation requires to implement and improve business processes.

The Business Information Systems degree programme provides a sound knowledge of both technical and organisational factors. It will equip you with the business, technical and analytical skills required for specialist IT management roles in this field.

Year 1 will introduce you to how organisations are managed, together with the foundations of information and communications technology. This



Multi-sensor task allocation through pervasive devices is among the School's many research interests that inspire and direct undergraduate projects.

will include the essentials of computer programming and Internet technologies.

Year 2 will include a group project where groups of students, drawn from across all of our degree programmes, tackle real world problems in the areas of system development and implementation. The nature of the team project allows you to practice skills introduced in your first year and to reinforce areas of second year study, such as systems and software management, business strategy and information systems. Clients for this project are drawn from School staff.

Year 3 includes a major individual project, defined by you, that will demonstrate your understanding of the complexity of modern organisations. You will examine business processes and apply appropriate methods of analysis to recommend improvement. To complete the degree programme, you may choose from a number of modules that include the management, security and use of information to support both business decisions and effective operation, and learn about the professional skills required for information systems consulting.

Software Engineering

With an emphasis on the design, implementation and quality of software applications this degree focuses on the skills required by a professional programmer. Often found in a team role, software engineers are usually the architects of large and complex software solutions that are developed, maintained and re-used by organisations.

Year 1 will be spent developing the essential skills and understanding necessary to design and build software solutions. The Python and Java™ languages are used to introduce you to problem solving and some of the fundamental issues faced when designing and building quality software.

Year 2 allows you to further develop your essential professional skills by introducing more advanced modules. Core topics such as advanced programming, pervasive computing and networks are taught alongside database systems and software management.

Year 3 will contain taught modules focussing on the management and complexity of software as well as professional project management and consultancy skills. A major component of this year is the team project. This will involve the design, construction and evaluation of an original software system. Your personal interests will help determine the subject of the project.

Dean Cox
Computer Science

"Great course choices, friendly but also experienced and high quality staff. Great resources."

Dean is now a SAP Systems Administrator for Local Government.

Computer Science & Informatics *continued*



All our degrees are designed to equip graduates with the key transferable, analytical and professional skills sought after by today's employers.

Joint Honours Computing & Mathematics

The subjects of computing and mathematics are closely linked. This degree programme allows you to develop transferable technical and professional computing skills, supported by a solid mathematical background.

Building on your existing mathematical knowledge, we teach the expertise required to program computers as part of a professional role. In addition to programming, this degree includes a wide range of mathematics skills. These skills are typically used to develop and solve a variety of mathematical models.

Year 1 is designed to introduce the essential maths and computing skills that will form the basis of your degree. These include problem solving using fundamental algorithms in the Python and Java™ programming languages as well as algebra and calculus methods.

Year 2 builds on the foundations of the first year by expanding your knowledge and understanding. More advanced topics will be introduced such as database systems and complex analysis, and you will take part in a team project allowing you to develop the transferable skills required by today's employers.

Year 3 introduces optional modules focusing on advanced topics such as statistical mechanics, mathematical foundations of the Internet, image processing and high performance computing.

Michael McCabe
Computer Science

"It is tough out there but working hard to get the right degree behind you has worked for me. I am now working for Red Hat as a Solutions Architect and feel that the skills I have learnt throughout the last three years have helped me with every aspect of my role."

Michael graduated and began work straight away with a leading provider of Open Source software.

Computer Systems Engineering

This degree programme looks at the fundamental interaction between electronics and the software used to control it. You will study the core aspects of computer science and the electronic engineering that underpins it.

Year 1 will introduce you to the essential concepts in computer science and electronic engineering. This will include problem solving using fundamental algorithms in the Python and Java™ programming languages. You will also study analogue and digital electronics and gain skills in Computer Aided Design (CAD) for circuits.

Year 2 offers you core modules in both computer science and electronic engineering, allowing you to develop the skills required to address problems encountered by a practising computer systems engineer. Topics include database systems, digital communications and network analysis.

Year 3 includes a major individual project, defined by you, that demonstrates your understanding of computer systems. To complete your degree you will choose from a list of optional modules that include emerging technologies, multimedia and digital signal processing.

This degree programme is structured so that you may choose to divide your time equally between software and hardware, or to devote more time to software-focussed modules.

Methods of Teaching and Assessment

Teaching consists of lectures and tutorials supported by practical laboratory sessions and small group study classes. Your work is formally assessed during each module, normally by means of written examination together with any coursework mark from that module. Project work is mentored by a member of staff and your final written submission is assessed on the basis of a written report supported by an oral examination or demonstration where appropriate.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

Grades AAB-ABB: Computer Science with Visual Computing and Computer Systems Engineering require A-level Mathematics. BSc Computing and Mathematics requires an A grade in A-level Mathematics. General Studies A-level is not considered.

WBQ:

Pass in the Core plus two A-levels with grades AB-BB. Computer Science with Visual Computing and Computer Systems Engineering require grade B in A-level Mathematics. BSc Computing and Mathematics students require grade A in A-level Mathematics.

Int Bacc:

33 points. A 5/6 in Maths at Higher level is required for Computer Science with Visual Computing and Computer Systems Engineering; BSc Computing and Mathematics students require a minimum of 6 in Higher Level Mathematics.

Other: Applications from those offering alternative equivalent qualifications are welcome, as are those who may have other relevant work/life experience.

All degrees

GCSE: Mathematics and English at a minimum grade C.

AS: Two AS-levels will be considered in lieu of a third A-level, except as a substitute for A-level Mathematics where required.

Applications Information

Typical intake: **115**

Typical number of applications: **570**

Admissions Tutor

Dr Jianhua Shao

Tel: (029) 2087 4812

Email: comsc-ug@cardiff.ac.uk

Dentistry

More online at:
www.cardiff.ac.uk/dentl

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/ UCAS Codes

Dentistry BDS

(5 years) A200
(6 years) A204

Dental Hygiene Diploma

B750

Dental Therapy and Dental Hygiene BSc

B752

Dental Nursing

The University also offers a part-time certificate course in Dental Nursing. Please see www.cardiff.ac.uk/courses for further information.

At a Glance:

Employability/Careers

In 2010, 100% of the School's graduates were in employment within six months of graduation.

Employers included a variety of NHS Trusts and higher education institutions.

Career destinations included: Specialist dental practice, community dental practice and medical research posts.

Research

In the most recent UK Government Research Assessment Exercise 95% of the School's research was rated at least of international standard with 65% of it classed as internationally excellent or world leading.

League Tables

The School is regularly ranked in the top 10 UK dental schools in the various university league tables. In the 2012 Guardian league table the School was ranked 3rd.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/dentl

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The aims of the Dental programmes of study are to educate individuals to practise dentistry in a training environment appropriate to their professional aspirations. They should be able to combine and use knowledge, skills and judgement and to develop appropriate attitudes so they can deliver a high standard of care in the dental profession.



Cardiff School of Dentistry has excellent facilities

Dentistry BDS (Hons)

Students start their programme of study in Cardiff School of Biosciences. However, early exposure to patients and clinics takes place throughout Year One within Cardiff School of Dentistry.

The University Dental Hospital and School of Dentistry is located on the Heath Park Campus. The School has two lecture theatres and many teaching and research laboratories. It has one of the best dental libraries in the country and houses an extensive collection of books and journals. There is a separate reading room and a newly equipped IT room giving access to a number of bibliographic databases, computer-assisted learning packages, word processing facilities and the Internet. Additional services offered by the library include interlibrary loans, DVD viewing, fax, photocopying and document binding.

The building contains 130 operating surgeries, and was designed to allow a constant rolling plan of modernisation and re-equipment to keep the teaching and clinical facilities fully up-to-date. The underlying philosophy of the clinical teaching in Cardiff School of Dentistry has always been one of total patient care. This principle means that the dental student is personally responsible for the oral and dental health of the patient in a way similar to that which they experience after they qualify.

Finally, we wish to ensure you retain the sense of enquiry and enthusiasm that are essential for the enjoyment of a long and satisfying career.

The Integrated Dental Curriculum

The School of Dentistry offers an integrated curriculum.

Features include:

- Horizontal and vertical integration in the design of the curriculum.
- Formalised review and monitoring of curriculum components.
- Clinical teaching at an earlier stage of the programme of study.
- Extensive use of Computer-Assisted Learning, video-based teaching and IT tools.
- Innovative learning and teaching methods overseen by qualified dental educationalists.
- Emphasis on Interprofessional Education through the integration of the Undergraduate and Dental Care Professionals programmes.
- Topic teaching for the clinical element of the programme of study. The curriculum avoids duplication in the teaching of topics across divisions.
- Effective, structured and coordinated continuous assessment.
- Introduction of clinical experience targets or 'competencies' to replace numerical quotas.

Dentistry *continued*



Lucy Monk
Dentistry

"I was unsure of what I wanted to do in sixth form, but did some work experience in a dental practice and really enjoyed it. So far the highlight of the course has been dissection, where we study the head and neck. The atmosphere is very professional and there is a strong community within the Dental School, strengthened by social and sporting events, the Christmas ball and the annual ski trip! We have regular staff-student panel meetings to bring up any issues about the course."

Lucy also plays netball for Cardiff with matches every Wednesday and training twice a week!



Clinical teaching is introduced at an early stage

- Opportunities to teach and practise in community clinics and satellite academic units.
- Excellent communication between undergraduate teachers and Vocational Trainers to ensure a smooth progression following graduation.

The curriculum is designed to meet the challenge of providing training for graduates working in a rapidly changing educational and clinical environment. The graduate will need to have the flexibility and appropriate skills to adapt competently within the workplace.

Assessment

Students pursuing the BDS (Hons) degree are assessed both formally and informally at a number of stages of the programme of study. The key features of the assessment policy within the curriculum are as follows:

- The award of a fully classified Honours Degree.
- Three professional academic examinations contribute to the classified Honours Programme: Primary BDS, Intermediate BDS and Final BDS. Each exam contributes toward the final degree classification.
- Assessed coursework as a contributory mark.
- A step-wise progression in the development of key academic, clinical and professional skills year-on-year.
- An identifiable 'exit' qualification for students who have passed the academic component of the examination, but are unable to

demonstrate adequate progression towards clinical competence.

- The inclusion of competence statements which refer to the level of specialist skill, knowledge and application derived from academic and clinical training at specific stages of the programme.

Cardiff School of Dentistry recognises the importance of timely feedback on the assessment process and opportunity is given for students to discuss their results and progress at all stages throughout the course.

Erasmus

Cardiff School of Dentistry is an enthusiastic supporter of the Socrates Erasmus exchange programme. This EU-funded initiative allows students in their final year to study dentistry in another dental school for a period of three months, as part of their dental course. The School has nine partner schools in eight different European countries including links with Scandinavia and the Baltic States, Netherlands, France, Italy, Ireland and Turkey. The free movement of professionals within Europe means that this programme is important for an appreciation of a different culture, developing mutual understanding of healthcare systems, as well as experiencing alternative methods of learning how to be a dentist.

Student Open Days/Visits

The School organises one open afternoon each

year. This is usually held in July. The afternoon consists of a series of short talks on different aspects of Dentistry, followed by the opportunity to tour the School and speak to some of our current undergraduates. There are also other opportunities to attend 'Dentistry' presentations at the University Open Day, held in April each year, and the Visit Days held in July and September each year. Students who wish to attend such events should check the School website for further information: www.cardiff.ac.uk/dent/degreeprogrammes/undergraduate/dentalsurgery/applications/openday/index

Selection Policy

In order to achieve the aims of the programme of study the University is seeking to admit students from all backgrounds who can demonstrate the following qualities:

- Evidence of and potential for high academic achievement.
- An understanding of the demands of Dental training and practice.
- A caring and committed attitude towards people.
- The ability to communicate effectively.
- A willingness to accept responsibility.
- Evidence of broad social, cultural or sporting interests.

The selection policy for prospective Dental students also involves a judgement about the individual's ability to meet the academic, physical and emotional demands of health care training.

Dental Care Professionals

The School offers a Diploma in Dental Hygiene and a BSc in Dental Therapy and Dental Hygiene. Both programmes are validated by the General Dental Council. The aim of these programmes of study is to educate students to become competent Dental Hygienists and Dental Therapists capable of unsupervised practice within dental teams, working to the prescription of dentists.

Diploma in Dental Hygiene

The Diploma in Dental Hygiene is a full-time programme of study lasting two academic years. The programme starts in September and eight students are admitted each year.

BSc in Dental Therapy and Dental Hygiene

The BSc in Dental Therapy and Dental Hygiene is a full-time programme of study lasting three years. The programme starts in September and nine students are admitted each year.

Programme Assessment

Assessment consists of formal examinations, assignments and project work and presentations. Clinical performance is continuously assessed and is competency based.



James Ban
Dentistry

"Dentistry is a great profession to choose, it is a multifaceted career offering great job opportunities. It enables you to combine your academic and hands-on abilities whilst having the opportunity to socialise with a range of different people from all walks of life on a daily basis. Cardiff is a great city to be a student, being big enough to have everything you want and small enough to get around and know everyone! The dental school has fantastic facilities and has a very friendly atmosphere, filled with sociable people who will make you feel welcome, regardless of what year you are in!"



Dental Hygiene students practising 'scale and polish'

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

5 year programme: Grades AAA including Chemistry and Biology.

6 year programme: Grades AAA including no more than one of Chemistry, Biology or Physics.

General Studies and **Critical Thinking** are excluded.

WBQ:

Pass Advanced Diploma which must include AA grades in Chemistry and Biology A-Levels.

Int Bacc:

5 year programme: 36 points with a minimum score of 6 at Higher Level in Chemistry and Biology.

6 year programme: 36 points with a minimum score of 6 at Higher Level in ONE of Chemistry, Biology or Physics.

Other: We welcome applications from international/overseas students and from students offering different qualifications as well as relevant work experience. Please contact the Admissions Officer for more information.

All degrees

UK-CAT: All applicants are required to take the UK-CAT aptitude test before being considered (www.ukcat.ac.uk).

GCSE: Must include a minimum of BB grades in Double Award Science plus a B grade in English Language.

Dental Care Professional Programmes

B752

All applicants must have a minimum of five GCSEs (or their equivalent).

Including:

- English or Welsh Language at grade B or above
- Four other GCSEs in any subjects at grade C or above

All applicants must also have one of the following:

- Either three A-levels at grade B or above. One of these must be a biological based subject (Biology, Human Biology, Human Physiology and Health) and excludes General Studies

OR

- A nationally recognised dental nursing qualification Level 3 (or equivalent) plus two A-level grade Bs one of which must be in a biological based subject (see above)

B750

All applicants must have a minimum of five GCSEs (or their equivalent).

These qualifications must include:

- English or Welsh Language at grade B or above
- Four other GCSEs in any subjects at grade C or above

All applicants must also have one of the following:

- Either a nationally recognised dental nursing qualification Level 3 (or equivalent), plus one A-level at grade C in a biological based subject (Biology, Human Physiology and Health, etc)

OR

- Two A-levels at grade C or above, including at least one biology based subject (see above)

Other: We welcome applications from international/overseas students and from students offering different qualifications as well as relevant work experience.

Applications Information

Typical intake: **80**

Typical number of all applications received: **800**

Admissions Tutor

Dr R. McAndrew

Tel: (029) 2074 2468

Email: DentalAdmissions@cardiff.ac.uk

Earth and Ocean Sciences

Degree Programmes/ UCAS Codes

Earth Sciences MESci

(4 years) F640

Earth Sciences MESci

(4 years)(International) F646

Environmental Geoscience BSc

(3 years) F642

(4 years) F644

Environmental Geoscience MESci

(4 years) F645

Environmental Geoscience MESci

(4 years)(International) F647

Exploration and Resource Geology BSc

(3 years) F621

(4 years) F622

Exploration and Resource Geology MESci

(4 years) F623

Exploration and Resource Geology MESci

(4 years)(International) F624

Geology BSc

(3 years) F600

Geology MESci

(4 years) F601

Geology MESci

(4 years)(International) F602

Marine Geography BSc

(3 years) F841

(4 years) F842

Marine Geoscience MESci

(4 years) F631

Marine Geoscience MESci

(4 years)(International) F632

At a Glance:

Employability/Careers

In 2010, 51% of the School's graduates were in employment within six months of graduation while a further 20% were engaged in further study, with other taking time out to travel etc.

Employers included: local governments plus companies such as the British Geological Survey, Kuwait Oil Company and the Environment Agency.

Career destinations included: engineering geologist, environmental consultant, hydrogeologist, geotechnical engineer and mineralogist.

Research

Cardiff School of Earth and Ocean Sciences is the only such school in Wales and has a large world-class research programme in Earth Systems Science. In the most recent UK Government Research Assessment Exercise 95% of the School's research was rated as being of international standard. 70% is rated as either world leading or internationally excellent.

Facilities

The School has excellent facilities which include two dedicated undergraduate IT labs with approximately 120 workstations and state-of-the-art analytical facilities. The School also has its own research vessel, Guiding Light, which is used to support fieldwork.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/earth

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455

Email: enquiry@cardiff.ac.uk



The School continues the great tradition of excellence in Earth Sciences teaching and research in Wales. Our internationally recognised research work enhances the student experience by having frontier earth scientists from a variety of disciplines involved in national and international research programmes teaching and researching alongside you as you learn.

Through our modular course structure we are able to offer an exciting and relevant spectrum of vocational undergraduate and postgraduate degree programmes, covering a wide range of modern geosciences. The Geology programme aims at a broad but detailed coverage of geological science, with an especially strong field training element. Exploration and Resource Geology is directed towards industrial and economic geology and management of natural resources. Environmental Geoscience focuses on applied geology and environmental issues. Marine Geography investigates the science of the marine environment, as well as the social and economic relationships between people and the oceans. Marine Geoscience focuses on shallow, near-shore coastal processes or deep marine environments.

Our courses in Marine Geography, Environmental Geoscience and Exploration and Resource Geology are available with a sandwich year out in industry. The four-year programmes of Master in Earth Sciences are designed to train high-flying candidates in the skills required to be a successful research scientist, and are now available with a year spent at a university in North America.

All our degree programmes had a fundamental review during 2011 to ensure that they are up-to-date, relevant and deliver the best possible learning experience for students. Hence some module titles, assessment methods and other details outlined below may change subsequent to the production of this prospectus. You are encouraged to look at our website for the most up-to-date information.

All our programmes have been re-assessed for both quality of provision and content. They have been professionally accredited by the Geological Society of London and the Royal Institution of Chartered Surveyors (Marine Geography). The School offers you the flexibility of changing to any one of our undergraduate degree programmes after the first year, provided that



'Guiding Light', the School's research vessel

More online at:
www.cardiff.ac.uk/earth

Detailed course profiles:
www.cardiff.ac.uk/courses

you meet the minimum requirement for entering Year Two and that there is room on the programme to accommodate you.

The School has a staff of more than 50 academics, including 14 professors and a Fellow of the Royal Society. This team ensures that you will receive the highest quality teaching, delivered by lecturers at the cutting edge of international research. The School is located within the main University building in accommodation that has been recently expanded and refurbished.

The building also includes the Science Library, a computing facility and is adjacent to the National Museum of Wales, with its superb geological collections. You will also have access to two School computing laboratories with 90 PC workstations and digital projection facilities. Here you will receive IT training on an extensive range of geological and geographical software and be able to access the Internet and work on projects in your own time.

The School is ideally situated for field studies since there are a variety of geological and environmental problems that can be studied in South Wales, within a short travel distance from the University. The School also owns a research vessel, *Guiding Light*, which is used for teaching practicals in coastal mapping and hydrographic surveying. It is based in Cardiff, but also deploys to Swansea and Milford Haven.

First Year Courses

The first year provides an introduction to the study of the Earth and its resources. It features background scientific skills, through the study of the Earth plus general skills of observation, numeracy, presentation and communication, which will be of value throughout your studies and future careers. Fieldwork in the first year involves day visits to classical local exposures, as well as a residential field course before the Easter vacation. The marine perspective is provided by seetime training on the School's research vessel '*Guiding Light*'. All the first year modules include lectures and a variety of laboratory study or small individual projects. Most modules are assessed by a combination of both formal examinations and the marking of coursework.

The first semester of the first year is common to all our degrees and is designed to give you a solid foundation in Earth Sciences and Marine Geography upon which more specialised studies build in the remainder of year one and in subsequent years.

For example, everybody needs to understand the bigger picture of Earth and Planetary System Science covering the solid earth, plate tectonics and geodynamics; the oceans and their influence on climate; ocean floor geography; global change and everybody undertakes extensive fieldwork activities, both day trips and residential. All students also need to be equipped with the



All our degrees are professionally accredited

fundamental skills necessary to pursue higher level learning such as data analysis and computing. However more specialised topics such as natural resources and energy; human interaction with the earth; how the world's oceans have been developed; the formation of sedimentary and volcanic rocks; marine and environmental geoscience and the evolution of life on earth may only be appropriate for some degree programmes.

Potential modules include:

- Earth and Planetary System Science: the solid earth, plate tectonics and geodynamics; the oceans and their influence on climate; ocean floor geography; global change.
- Sedimentary System: sedimentary rocks within the context of depositional systems.
- Life History: ecological systems and principles; history of life; diversity and evolution.
- Natural Resources and Energy: exploration, exploitation and production economics of resources; world energy balance; the global economy, industrialisation and trade.
- Dangerous Earth: climatic and geological hazards from a human perspective, managing the social impact of hazards.
- Fieldwork: field skills training during both local and residential trips, including going offshore.
- Earth Materials: formation of volcanic and metamorphic rocks.
- Forces in Nature: scientific skills needed for Earth Sciences
- Marine Science: charts, navigation and surveying techniques, physical coastal science
- Geological Maps and Structures: maps and the representation of spatial data
- Environmental chemistry and biology: chemistry and biology of the natural Earth's surface
- Development of the World Ocean: geographical thought applied to ocean uses.



Paul Hoddinott
Geology

"I really enjoyed my time at Cardiff and hugely benefited from the wealth of experience of the lecturers. There was a very good balance of lectures and field-based tuition. The University has made a tremendous effort to foster links with industry, helping students gain experience and seek employment."

Paul graduated with a degree in Geology from Cardiff and now works as a geologist and wireline log analyst at Centrica Energy in Middlesex. Paul studies the geology of Nigeria and the North Sea.

During the first semester you may decide to transfer to one of the other School degree programmes. Provided you are adequately qualified and there is room on the programme on to which you wish to change, you will be able to change your degree programme.

Years Two and Three

The degree programmes diverge after the first year to provide the core material for your chosen pathway. Hence a different set of modules is compulsory for each programme in Year Two. In Years Three (and Four where appropriate) options exist in all programmes so that you can pursue in more detail topics and projects in your main areas of interest.

Earth and Ocean Sciences *continued*

Geology

The Honours BSc in Geology provides you with a holistic overview of the physical, geochemical and biological processes that formed planet Earth. You will learn to read the rocks, and be able to reconstruct environments from the distant past, and therefore be equipped to understand Earth processes today. You will cover a wide choice of core subjects from fossils to sediments, volcanoes to plate tectonics, as well as geophysics, geological mapping and resources, and more applied options such as water resources, engineering geology, and global change.

Although essentially designed as a broad-based degree, in your third year your chosen study plan will include studying the dynamic Earth and specialist subjects (in which you will be introduced to research-level study) such as tectonics, volcanic processes, evolution and biodiversity, and the earth's surface processes. Fieldwork is an important component of this degree programme and you will be given the opportunity to travel widely both in the UK and abroad. In addition to the excellent geology of Wales, current Cardiff Geology field courses include visits to Cornwall, Northern Spain and Cyprus. In the summer after your second year you will complete a five-week mapping project, choosing from a wide range of possible areas. In recent years we have offered southern European areas such as Corsica, the South of France, and the Spanish Pyrenees, as well as many UK locations. We are one of a diminishing number of university Earth Science degree programmes which still offer you personal field tuition in the summer mapping an area of your choice.

Environmental Geoscience

Earth scientists are much sought after in the environmental professions because of their global view of natural processes. The Environmental Geoscience degree allows you to fulfil this potential. You will learn how planet Earth works, how natural events have and are perturbing the environment, how humans are affecting the Earth system and how environmental trends may be counteracted. You will learn about remote sensing and GIS, soils and ecology, and the global climate system, its history, controls and future developments. You will learn about the effects of pollution and how these may be monitored and controlled.

In the second year you will be trained to participate in an individual or team environmental project, which will take place during either the summer vacation or the third year. The training will include basic mapping and a dedicated environmental field course that will allow you to build on the background you have obtained in second year modules. You may then choose to specialise in your environmental project from a wide range of possibilities, such as water quality,

landslide monitoring, coastal erosion, soil pollution, air quality, waste management, etc.

In the third year, you will complete your project, presenting a professional report and giving a seminar. You will study a variety of topics depending upon your choice, with options available in areas such as global change and the marine environment, water resources, environmental management and policy, hazards and risk, environmental case studies, earth surface processes or engineering geology.

Marine Geography

The World Ocean is arguably the last major frontier on Earth for the exploration and development of resources to sustain humankind in the future. The Marine Geography degree focuses upon the uses and industries associated with the oceans and coastal zones from a scientific basis. It draws on the traditional skills of the geographer to observe, measure, map and analyse the significance of a wide range of physical and human variables. It also builds a knowledge and skills base, which takes into account the scale and dynamic nature of the sea and the challenges of sustainable development. Coastal and offshore fieldwork are an important feature of the degree programme.

In the second and third years you can study a selection of physical and human geography modules with an applied focus. These include: Marine and Coastal Resource Development, leading to Ocean Management; Marine Ecology; Remote Sensing; and Environmental and Coastal Science, leading to Integrated Coastal Management. You may also specialise in Ocean/Atmosphere System Science and have an opportunity to gain advanced skills in Geographical Information Systems.

During the second year you will also learn skills in Environmental Data Analysis and acquire fieldwork and offshore skills during residential courses in a range of coastal and island European locations, allowing you to undertake a third year Dissertation Project of your choice.

Exploration and Resource Geology

Exploration geologists have never been in greater demand, and so this is a very opportune time to gain a qualification in Exploration Geology. The degree at Cardiff provides you with a solid grounding in applied geology, with the exploration, evaluation and extraction of the Earth's natural resources as the core area of study.

The course aims to provide you with an understanding of geological processes within the Earth that lead to the formation of natural resources and to provide training in the special skills required by a professional exploration



The School is ideally situated for field studies as there are a variety of geological and environmental problems that can be studied

geologist. You are also given training in the techniques of information technology as used in modern geological exploration industry, while a significant proportion of your modular coursework is based on practical classes and projects.

In your second summer, you are encouraged to undertake an industrial placement with an exploration company in the UK or overseas. Alternatively, you can complete an exploration project or geological mapping topic under our academic supervision.

In your third year, you follow core modules for both mineral and hydrocarbon resources, plus an overseas field course. You will meet visiting industrial guest lecturers and learn to design a professional exploration project. You can choose to study specialist final-year options in Volcanic Processes, Sedimentology, and Structural Geology, as well as the Dynamic Earth and its Surface Processes. You can also study other Applied Geological topics such as Engineering Geology and Water Resources.

Placement Year

An optional one-year industrial placement programme is available for some of our BSc degrees. This provides an opportunity to gain in-depth experience in a range of industries. Students are supervised and visited by University staff while enjoying the experience and career enhancement that results from a 'Year Out'.

Marine Geography placements in the past have been within such diverse employment opportunities as port operation, environmental management and hydrographic surveying, as well as in laboratories and government agencies concerned with the development and management of the wider environment.

More geologically inclined students have found other appropriate positions in areas such as conservation, mining companies and environmental consultancies.

You should be aware that although we will endeavour to find placements for all students who want one, in the current economic climate we are not able to guarantee placements.

More online at:
www.cardiff.ac.uk/earth

Detailed course profiles:
www.cardiff.ac.uk/courses

Masters in Earth Sciences – MESci

These four-year undergraduate programmes are designed for high quality candidates who aim to pursue a research career in any aspect of earth sciences in academia, government or industry. In general they involve learning about the process and outcomes of research and enable students to specialise in areas of their choice. During the first two years you will study modules in common with students enrolled for the cognate BSc programmes, but with small group teaching of up to six students provided through a research tutorial. These tutorials will enable you to explore your long-term research interests and will provide more extensive opportunities than the three-year programmes.

In the final two years you will concentrate on core topics in your subject stream, as well as modules giving skills in science and research in a field of your choice.

In Year Four specialist research-informed modules are available on Research Frontiers, Planetary Geology, Advanced Igneous Petrogenesis, Palynology and Evolution of Antarctica. The major element in the fourth year is a research project that will enable you to master and demonstrate the skills you will need in your subsequent career, and is an opportunity to pursue a particular topic to the highest level possible as an undergraduate.

MESci (International)

These programmes are aimed at providing the opportunity for exceptional students to study at a prestigious overseas university for part of their Cardiff degree and are available for all our MESci courses. The MESci (International) programme has the same structure and aims as our other MESci degree programmes and provides top students with enhanced opportunities for specialisation, subject choice and advanced study. The difference is that the credits and grades for Year Three of your degree assessment are acquired at an overseas institution.

The year abroad allows you to broaden your horizons, both academically and culturally. You will complete your third year research project during your year overseas. In addition, you will be able to enrol in courses overseas that are not available at Cardiff, or take other courses that are not possible to timetable here. You will acquire a wide range of transferable skills and the additional experience to improve your employability and prospects of postgraduate studies.

Financially, these programmes are very attractive since you pay no fees at the international university but merely continue to pay fees to Cardiff University. This means that successful applicants have the opportunity, for example, to attend world-class, private universities in the USA and elsewhere at Cardiff fee levels.

Marine Geoscience

Our new MESci in Marine Geosciences is a truly interdisciplinary Earth Science course, embracing both near shore, coastal processes and deep sea studies of the oceanic crust and how climate change can be unravelled from the reading of the marine sedimentary record. Both these areas, coastal and deep sea, are available for study in this course, which brings together expertise from staff researching into the geology and tectonics of ocean basins, ocean-atmosphere interactions, the marine sedimentary record, continental margin processes, chemistry and microbiology of deep sea sediments, coastal hydrography and mapping of the seabed.

In the second year students opt for either the near-shore or deep sea specialisation, with optional modules to broaden their knowledge base. In Year Three further specialisation is possible, taking your chosen subject area to research level. As with the other MESci programmes it is possible to spend your third year at an overseas university.

In Year Four you also undertake a dissertation with one of the many marine specialists on the staff as a supervisor. This will link you to an active research group and enable you to concentrate on one aspect of marine geoscience. More than a dozen staff members have undertaken extensive deep sea research cruises and other staff are actively involved in offshore or coastal research programmes.

Employment

Cardiff graduates are successful both in their vocational fields and in the wider world of work. For over twenty years our graduates in Marine Geography have entered the full range of marine industries, government service and research careers, as well as the careers for which geographers are generally prepared. The Exploration degree provides you with a wide range of potential future careers, ranging from field-based mineral or petroleum geologists in remote parts of the world, to an office-based career analysing raw geological data using computer-based techniques. Geological and Environmental graduates have similarly found employment with consultancies or government agencies, while one in four of our students go on to further study. MESci students are particularly suited to PhD or other research positions.

Research

The School has a thriving and internationally acclaimed research school, which means that most of our graduates with suitable first degrees, wishing to extend their qualifications with a research degree, succeed in obtaining studentships to allow them to do so. We also offer specialist postgraduate MSc taught courses in Applied Environmental Geology and Environmental Hydrogeology. Details can be found in the University's Postgraduate Prospectus.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

BSc: ABB

MESci: AAB

MESci (International): AAA

At least one A-level (two for MESci courses) should be a Science, Geography, Geology or Maths.

WBQ:

BSc: Pass in Core plus AB in A-levels.

MESci: Pass in Core plus AA in A-levels.

MESci (International): Pass in Core plus AA in A-levels.

At least one A-level (two for MESci courses) should be a Science, Geography, Geology or Maths.

Int Bacc:

BSc: 30-32 points.

MESci: 32-33 points.

MESci (International): 34 points.

At least one science at higher level.

Other:

Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

All degrees

GCSE: English Language (Grade C) and Mathematics (Grade B) are normally required.

Applications Information

Typical intake: **150**

Typical number of applications: **850**

Admissions Officers

Exploration and Resource Geology/Earth Science:

Dr Andrew Kerr

Geology:

Dr Carrie Lear

Marine Geography/Marine Geoscience:

Dr Rupert Perkins

Environmental Geoscience:

Dr Alan Hemsley

General Enquiries:

Tel: (029) 2087 4830

Email: earth-ug@cardiff.ac.uk

Engineering

Degree Programmes/UCAS Codes

Architectural Engineering MEng

(4 years) H294
(5 years) H295 (Year in Industry)
(5 years) H291 (Year in France)
(5 years) H992 (Year in Germany)
(5 years) H990 (Year in Spain)

Architectural Engineering BEng

(3 years) H292
(4 years) H293 (Year in Industry)

Civil Engineering MEng

(4 years) H207
(5 years) H208 (Year in Industry)
(5 years) H209 (Year in France)
(5 years) H203 (Year in Germany)
(5 years) H204 (Year in Spain)

Civil Engineering BEng

(3 years) H200
(4 years) H201 (Year in Industry)

Civil and Environmental Engineering MEng

(4 years) H226
(5 years) H224 (Year in Industry)
(5 years) H225 (Year in France)
(5 years) H297 (Year in Spain)

Civil and Environmental Engineering BEng

(3 years) H221
(4 years) H222 (Year in Industry)

Computer Systems Engineering MEng

(4 years) HG6K
(5 years) HG6Q (Year in Industry)

Computer Systems Engineering BEng

(3 years) HG66
(4 years) HG6Q (Year in Industry)

Electrical and Electronic Engineering MEng

(4 years) H601
(5 years) H600 (Year in Industry)

Electrical and Electronic Engineering BEng

(3 years) H605
(4 years) H606 (Year in Industry)

Electronic and Communications Engineering MEng

(4 years) H602
(5 years) H603 (Year in Industry)

Electronic and Communications Engineering BEng

(3 years) H610
(4 years) H604 (Year in Industry)

Integrated Engineering MEng

(4 years) H113
(5 years) H114 (Year in Industry)
(5 years) H115 (Year in France)
(5 years) H116 (Year in Germany)
(5 years) H117 (Year in Spain)

Integrated Engineering BEng

(3 years) H110 BEng/IE3
(4 years) H111 BEng/IE4 (Year in Industry)

Mechanical Engineering MEng

(4 years) H302
(5 years) H307 (Year in Industry)
(5 years) H308 (Year in France)
(5 years) H303 (Year in Germany)
(5 years) H305 (Year in Spain)

Mechanical Engineering BEng

(3 years) H300
(4 years) H301 (Year in Industry)

Medical Engineering MEng

(4 years) H1BV
(5 years) HB99 (Year in Industry)

Medical Engineering BEng

(3 years) H1B8
(4 years) BH99 (Year in Industry)

At a Glance:

Employability

In 2010, 61% of the School's graduates were in employment within six months of graduation while a further 28% were engaged in further study.

Employers included: Halcrow, Atkins, BP, BAe Systems, RWE npower, Mott McDonald, Network Rail, Rolls Royce, Ford, Tata Steel, Nokia, Bosch, local governments, UK and international utility companies plus organisations such as Climate Energy and GlaxoSmithKline.

Career Destinations included: electrical engineer, graduate mechanical engineer, project manager and technology analyst.

Research

In the most recent UK Government Research Assessment Exercise the School was ranked in the top 10 research-led engineering schools in the UK. 97% of research was assessed as "internationally recognised". In addition, 70% of

the research returned was considered "internationally excellent" of which 30% was deemed to be "world leading."

League Tables

In 2012, Civil Engineering was ranked 6th in the Times Good University Guide and 7th in the Complete University Guide. Mechanical Engineering was ranked 8th in the Guardian.



Find Out More

For more information about the School scan the QR code with your phone, or go to: www.cardiff.ac.uk/engin

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Cardiff School of Engineering is located in a modern purpose-built building with facilities of the very highest quality, which provide an outstanding environment for both teaching and research.

On-site services include a large and well-equipped library, extensive computing facilities, a flexible learning space, an internet café and a refectory serving hot and cold meals throughout the day. The Students' Union is just eight minutes walk away and there are Halls of Residence nearby.

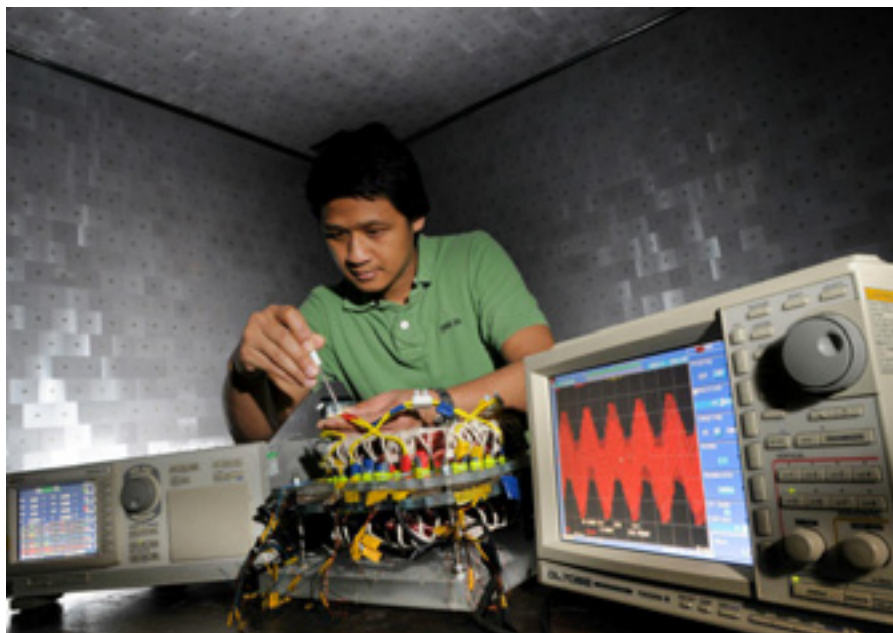
The School covers almost every aspect of engineering. This is possible because we are a large school with around 90 members of academic staff. Many of these are recognised international experts in their particular fields and so the teaching at Cardiff remains up-to-date. This is important in an area such as engineering where technology changes rapidly.

Although the School is large, with approximately 1,200 students, we believe that the individual is important; our personal tutoring programme is to ensure that your education progresses smoothly, and that any academic or personal problems are addressed swiftly. We aim to create an atmosphere in which you will be happy and also in which you will be able to fulfil your potential.

There is an essential unity in engineering which requires a broad appreciation of basic engineering principles. So in the first year of study there is common ground between many of the engineering degree programmes offered. Where the common ground is extensive it provides flexibility if you wish to revise your choice of engineering programme. There is also the added benefit that you will come into contact with students from other engineering programmes, thereby widening your horizons and your group of friends.

The School has received independent recognition for its teaching and research activities and Cardiff is one of only three universities that are members of the prestigious Power Academy and UK Electronic Skills Foundation (UKESF). Both are designed to address the skills shortage in electrical and electronic engineering.

The School is particularly recognised for its contribution to the promotion of women in Science and Engineering, having been awarded the Ambassadors Award for the UK in this activity. All degree programmes are accredited by the appropriate professional institutes. This ensures that engineering degrees from Cardiff will be recognised when future graduates apply for chartered status (CEng).



Students have access to teaching and facilities that are among the best in the UK

Types of Degree Programme

MEng

The MEng programme is an advanced engineering degree programme, requiring four years of academic study. It is structured so that the first two years are the same as the relevant BEng programme, while the last two years provide greater breadth and depth of knowledge in your chosen engineering subject, including further management-related disciplines.

BEng

The BEng programme is the traditional way of studying engineering, involving three years of study in your chosen subject and providing a good, fundamental education in your particular engineering discipline. Many very able students, even when eligible for the MEng programme, still opt to study the 3-year (BEng) degree, to suit their particular career paths.

Year in Industry

The Year in Industry programme enhances a BEng or an MEng degree by incorporating an extra year spent on an industrial placement. The first two years of the programme are spent in University and the third year is spent in industry, where you receive supervised training. You return to University for a further year (BEng programmes) or two years (MEng programmes) to complete your academic study. The University has a formal partnership with the City and Guilds of London Institute which enables our students to achieve the Senior Award of Licentiate status after successfully completing their sandwich placements. This is a professional qualification which rewards work related competence and

expertise and which is widely recognised by employers. Holders are entitled to use the letters LCGI after their names.

Year in Europe

The MEng degree programmes, which offer a year in France, Germany or Spain are structured in the same way as the Year in Industry programmes. During the first two years of the degree language modules are incorporated into your programme of study. Your third year is then spent at a collaborating academic institution in France, Germany or Spain, before returning to Cardiff to complete your studies.

Industrial Links

The School is at the forefront of engineering research so strong links with industry are inevitable. The policy of the School is scrutinised by a panel of top industrialists who regularly meet to review our activities and advise on future plans. In addition, numerous links have been developed with companies, both in the UK and overseas, through our Year in Industry programmes and through consultancy work carried out by staff. This involves advising on matters such as energy policy, bridge design, magnetic materials and semiconductor devices.

Research Activity

Cardiff is recognised as being one of Britain's leading engineering research establishments. This means that as an undergraduate student you will be taught in a School that is at the leading edge of technology and with facilities that reflect our research status.

Architectural Engineering

MEng (4 years)

MEng (5 years) (Year in Industry)

MEng (5 years) (Year in France, Germany or Spain)

BEng (3 years)

BEng (4 years) (Year in Industry)

The creation of modern buildings is a complex operation requiring professional skills from many disciplines. For this reason there is a need for the different specialists to work together as an interdisciplinary team. This co-operation and understanding of each other's problems is particularly important between the architect, the structural engineer, the services engineer and the town planner.

The degree programmes in Architectural Engineering are intended for students wishing to make a career in building design and construction. They are designed for those students who want an engineering course with a human face that brings together the precision of engineering analysis and the creativity of building design, with an accent on human environmental factors as well as engineering excellence.

Both the MEng and BEng programmes are available as Year in Industry degree programmes with a year of industrial training. These industrial placements are assisted by staff in the School and are subject to availability.

The degree programmes include all the basic knowledge required to create buildings. During the programme you become fully aware of the essential interaction between engineering design, architectural requirements and environmental factors (both physical and social). In addition to the essential elements of structural engineering, you gain a sound understanding of architecture, town planning, municipal engineering, building services and construction technology, and management. There is particular emphasis on studio work, design projects and case studies and the programme is taught in collaboration with architects.

Upon graduation you will be well suited to a key role in building design. Industry has a strong need for this type of graduate. Cardiff MEng Degrees fully satisfy all the educational requirements for the award of the Chartered Engineer-CEng Status. Our BEng Degrees partially satisfy the educational base for the Chartered Engineer (CEng) and fully satisfy the educational base for the Incorporated Engineer (IEng).

Engineering *continued*



Rosamund Parker
Civil Engineering

"I chose Civil Engineering as I wanted to do something scientifically based, but didn't want to do Maths or Physics as stand-alone subjects. I was also interested in design and architecture. I enjoy the fact that the course is so broad. I particularly enjoy the structural mechanics aspects and the materials-based modules. I really enjoyed last year's field trip too – it was a good chance to do surveying and get to know everyone on my course. After Uni I hope to work in the field of Civil Engineering – I am particularly interested in the environmental issues surrounding engineering and want to travel lots with my work."



Students working in the Heavy Structures laboratory

Civil Engineering

MEng (4 years)
MEng (5 years)(Year in Industry)
MEng (5 years) (Year in France, Germany or Spain)
BEng (3 years)
BEng (4 years)(Year in Industry)

The development of any progressive society is largely dependent upon the skill and dedication of its civil engineers. They are concerned with the planning, design, construction and maintenance of highways, airports, docks and harbours, coastal defences, irrigation systems, essential municipal services (such as water supply, drainage and sewage disposal) and structural work, including buildings, bridges, dams, reservoirs and power stations. A civil engineering career offers many different challenges and opportunities in all parts of the world.

Civil engineering is based on fundamental engineering principles and analysis, but is a profession in which art, practice and a sense of service to the community also play an important role. Although you may become specialised in a particular branch of the profession, your vision will need to be broad. For example, as a structural engineer, your design may rely heavily on your understanding of a complex geotechnical or hydraulic problem.

Many different degree programmes are offered. The first and second years of study are common, so no matter which degree programme you choose when you start the course, it is possible to change at any time up to the end of the second year.

The MEng four-year programme is intended to broaden and deepen your knowledge of civil engineering. The course is aimed at those with the potential for higher achievement. The teaching on this course involves more holistic design work than the BEng, with students required to work alone or in small groups.

All degree programmes concentrate on the basic principles of civil engineering theory and practice and their application in design and construction. Lectures, tutorials, seminars, design office and laboratory sessions, and site visits are linked with fieldwork in surveying, construction, geology and design to provide a comprehensive education.

Civil and Environmental Engineering

MEng (4 years)
MEng (5 years) (Year in Industry)
MEng (5 years) (Year in France or Spain)
BEng (3 years)
BEng (4 years) (Year in Industry)

These degrees bring together the best features of our environmental and civil engineering programmes to give a multidisciplinary qualification. Graduates from these degrees plan, design and construct programmes to remedy the problems caused by existing pollution and to produce more sustainable solutions for society's future needs.

Teaching is by specialist staff who have extensive experience of academia and industry. Allied with

the core engineering skills of design and analysis, students are taught the necessity of integrating economic and practical solutions. This is developed through site visits, presentations and speakers from industry, attendance at international exhibitions and analysis of company profiles. As the degree programmes proceed, students are also made aware of the legal, social and ethical aspects of engineering, with the emphasis being firmly placed upon environmental responsibility and control.

Computer Systems Engineering

BEng (3 years)
MEng (4 years)
BEng (4 years) (Year in Industry)
MEng (5 years) (Year in Industry)

The Computer Systems Engineering programmes are integrated hardware and software programmes that allow graduates to apply their knowledge to a wide range of computer-based environments within industrial and business enterprises. The programmes are run jointly with Cardiff School of Computer Science which also offers a shared three-year BSc programme in Computer Systems Engineering.

In the first two years of these programmes you acquire the broad based fundamental knowledge and skills needed for the discipline of Computer Systems Engineering, drawing in equal measure on modules from the Electronic and

More online at:
www.cardiff.ac.uk/engin

Detailed course profiles:
www.cardiff.ac.uk/courses



The Virtual Engineering Suite

Communications Engineering and Computer Science degree programmes.

In Year One the programmes cover important areas of electronic and communications engineering such as Basic Analogue and Digital Electronics, and Network Analysis; and areas of Computer Science such as Basic Computer Science, Java Programming and Algorithms, and Systems Modelling, together with Engineering Mathematics and support subjects that develop communication, experimental and project management skills. The second year develops a number of these subjects in greater depth and also offers a limited number of optional modules. Topics taken to a higher level include Analogue and Digital Electronics, Engineering Mathematics, Algorithms and Data Structures, and Software Engineering. Options include Control Engineering, Network Analysis and Microelectronic Circuits and DSP Concepts.

In the final year (final two years in the case of the MEng programmes) you are able to select from a wide range of modules from the Electronic and Communication Engineering and Computer Science degree programmes, allowing specialisation in state-of-the-art technology subjects of your choice. Typical modules cover Advanced Electronic Circuit Design, Artificial Intelligence (AI) and Expert Systems, Automatic Control Systems, Parallel Processing, Machine Vision, Compiler Design and Construction, Computer Architecture, and Distributed Systems Technology.

A major component of the final year is the project module, which emphasises the application of the knowledge and understanding gained to practical computer-based problems.

Candidates with the potential for high academic achievement are encouraged to enrol on the four-

year MEng programme. The first two years of this programme are the same as for the BEng programme, while the third and fourth years emphasise a deeper and broader understanding of computer systems engineering than is feasible during the BEng programme.

The third year includes an individual project based on computer science and an industry-linked group project. In the fourth year, in addition to an industry-linked individual project, candidates also pursue an advanced engineering management programme, and choose from a list of advanced Masters-level technical topics.

Electrical and Electronic Engineering

MEng (Hons) 4 years
 MEng (Hons) 5 years (Year in Industry)
 BEng (Hons) 3 years
 BEng (Hons) 4 years (Year in Industry)

In studying Electrical and Electronic Engineering at Cardiff, you will be at the centre of a vibrant and fast moving engineering discipline. This research-led degree programme will provide a fast-track towards attaining Chartered Engineer status with the Institution of Engineering and Technology. In addition, the strong links we have with our industrial partners can provide opportunities for work placements and possible sponsorship during your study. The degree programme is reviewed annually with input from our industrial partners to ensure that the modules taught are at the cutting edge.

In addition, Cardiff is one of only seven universities in the UK to be part of The Power Academy, an organisation dedicated to promoting and supporting high quality students to train for a career in Electrical Engineering. Power Academy



Colin Musisi
 Electrical and
 Electronic
 Engineering

"Cardiff's Electrical and Electronic Engineering course has given me the opportunity to choose from a wide range of optional modules, including Artificial Intelligence, an area that particularly interests me. As an international student I have found both the School and the University very welcoming and helpful."



Cardiff is one of only seven participating universities within the elite Power Academy set up to encourage talented students to pursue IET accredited degree programmes that include a significant power element. The Power Academy encourages high quality students to train for a career in electrical engineering and will offer support for tuition fees, student bursaries, assistance with course materials and vocational training opportunities, as well as improved career prospects.

scholarships are offered on a competitive basis and successful applicants will receive support for tuition fees, student bursaries, vocational training and improved career prospects.

We have very strong links with industry and aim to bring as much benefit as possible from these links to our undergraduate degree programmes. For example, there are often industrially sponsored student scholarships and MEng final year projects are often linked to research projects with industrial partners. The teaching of our degree programmes has recently received major investment in the provision of state-of-the-art teaching laboratories, enabling students to experience the latest in industrial standard test equipment and software. To support this, National Grid Transco (NGT) has designated Cardiff as one of their centres of excellence.

Engineering *continued*

Students graduating from Cardiff in Electrical and Electronic Engineering have excellent career prospects. The School has strong links with all the major employers in this area and well qualified graduates are much in demand.

We offer both BEng (three-year) and MEng (four-year) degrees in Electrical and Electronic Engineering, both with the option of an industrial placement year (sandwich option).

The first year is common for all combinations of our degree programmes and provides you with fundamental analytical, computational and experimental skills.

Modules you will study will include:

- Mathematics
- Digital and Analogue Electronics
- Electromagnetics and Circuits
- Materials
- Telecommunications
- Power Systems and Machines

You will also study information technology, professional engineering studies and develop oral and written communication skills.

The second year, also common for all programmes, extends study of the core subjects and introduces you to:

- Digital Communications
- Microprocessors and Instrumentation
- Control Engineering
- Software Engineering
- Engineering Management
- Power Systems Analysis and Machines
- EM Fields and Transmission Lines

There is also an option to study French, Spanish or German.

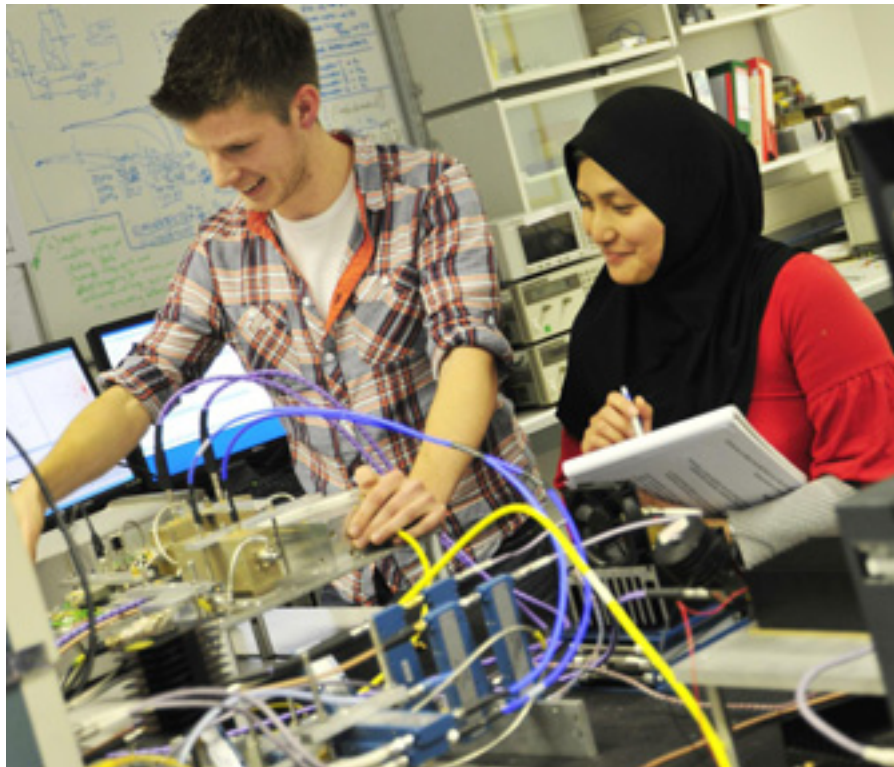
At this point in the degree programme, you will be in a position to develop the technical breadth, depth and flexibility required in today's multi-disciplinary technical environment. It is here that the research-led nature of our programmes will allow you to specialise in a specific area of Electrical and Electronic Engineering. (Industrial placements take place after your second year of study.)

Advanced modules at Level Three include:

- Electrical Machines and Drives
- HF and RF Engineering
- Automatic Control
- Power Electronics

Specialities in this area include CAD of power systems, high voltage engineering and machines and drives.

For all programmes at level three, you will participate in a major individual project spanning the two semesters. Students are encouraged to become involved in research and industry-led projects in their chosen area of focus.



An electronic engineering practical

The final year of the MEng programme is designed to cover an enhanced depth and breadth of technical coverage as prescribed by the IET professional body. Level four modules available to this programme include:

- Advanced Power Electronics and Drives
- Advanced Power Systems and High Voltage Technology
- Alternative Energy Systems
- Management in Industry

Our Electrical and Electronic degrees programmes all have full accreditation from the Institute of Engineering Technology.

Electronic and Communications Engineering

MEng (Hons) 4 years
MEng (Hons) 5 years (Year in industry)
BEng (Hons) 3 years
BEng (Hons) 4 years (Year in Industry)

With the teaching of Electronics firmly embedded in the field of communications technology, students studying Electronics and Communications Engineering will have a unique opportunity to engage with industry in this important and fast changing sector. With full accreditation from the IET, the programme allows for a fast-track route to Chartered Engineer status.

Strong Industrial Links and Excellence in Research

Being a research-led school, students will experience at first hand the latest in practical laboratory skills that are of direct relevance to employers in the electronics and communications sector. Teaching is based on top quality research which has been highly rated in the Research Assessment Exercise.

Coupled with the practical hands-on teaching is the provision of Agilent Technologies Advanced Design System, which is a powerful electronic design automation software system. This industry standard application offers a complete design integration package to designers of electronic products such as mobile communications systems, wireless networks, and radar and satellite communications systems. Use of this package is fully integrated into the teaching of modules at all levels from the first year onwards. In the third and fourth years of study, students will be encouraged to engage with industrially-led research projects that not only provide relevant and up-to-date experience, but lead to opportunities for establishing a relationship with industrial organisations that can lead to employment following graduation.

Our teaching laboratories have benefited greatly from the generosity of the following companies; all of whom have made significant investment in the provision of state-of-the-art equipment and

More online at:
www.cardiff.ac.uk/engin

Detailed course profiles:
www.cardiff.ac.uk/courses



Integrated Engineering

MEng (4 years)
 MEng (5 years) (Year in Industry)
 MEng (5 years) (Year in France, Germany or Spain)
 BEng (3 years)
 BEng (4 years) (Year in Industry)

An Integrated Engineering degree reflects the urgent need of employers for professional engineers who have a wider understanding of the various engineering disciplines. To achieve this aim, Integrated Engineering students study a spectrum of specialist modules drawn from a broad range of disciplines including: Information Engineering, Mechanical Engineering and Energy Studies, Electrical and Electronic Engineering, Energy and Power Generation, and Professional Engineering Studies all which are inter-linked within an overall programme of Integrating Studies.

The Integrated Engineering programme employs a diverse spectrum of learning methods, which includes case studies, laboratory programmes and design exercises – each of which is coupled to focused application in the industrial environment. During the degree, students also engage upon both individual and group projects which help to develop both individual skill levels and provide highly relevant group working experience.

The diverse skills base studied within an Integrated Engineering degree programme ensures the widest of subsequent career opportunities. Recent graduates have accepted positions within many different sectors of engineering including aeronautical (Airbus), defence (BAE Systems), and building services (Arup).

The Integrated Engineering degrees are accredited by the Institution of Mechanical Engineers, and the Institution of Engineering and Technology.

Mechanical Engineering

MEng (4 years)
 MEng (5 years) (Year in Industry)
 MEng (5 years) (Year in France, Germany or Spain)
 BEng (3 years)
 BEng (4 years) (Year in Industry)

Professional mechanical engineers use modern technology to meet the demands of society. They have wide and varied career opportunities and are key personnel in all branches of industry, from planning, research, development and design, to manufacture, testing, sales, installation and maintenance. Others occupy responsible positions in local and national public undertakings and research establishments concerned with

Human Motion Analysis

software. Also in the last year, the School has invested over £150,000 in the refurbishment of the laboratories, thus providing a unique teaching environment and experience that is unparalleled in the UK. Agilent Technologies, National Instruments, Texas Instruments, Rohde and Schwartz are just some of the organisations working with staff in the Electronics and Communications field.

Students graduating from Cardiff in Electronic and Communications Engineering have excellent career prospects. The School has strong links with all the major employers in this area and well qualified graduates are much in demand. We offer both BEng (three-year) and MEng (four-year) degrees in Electronic and Communications Engineering, both with the option of an industrial placement year (sandwich option).

The first year is common for all combinations of our degree programmes and provides you with fundamental analytical, computational and experimental skills.

Modules you will study include:

- Mathematics
- Digital and Analogue Electronics
- Electromagnetics and Circuits
- Materials
- Telecommunications
- Power Systems and Machines.

You will also study information technology, professional engineering studies and develop oral and written communication skills.

The second year, also common for all programmes, extends study of the core subjects and introduces you to:

- Microprocessors and Instrumentation

- Control Engineering
- Software Engineering
- Engineering Management
- Power Systems Analysis and Machines
- EM Fields and Transmission Lines

There is also an option to study French, Spanish or German. At this point in the degree programme, you will be in a position to develop the technical breadth, depth and flexibility required in today's multi-disciplinary technical environment. It is here that the research-led nature of our programmes will allow you to specialise in a specific area of Electronic and Communications Engineering. (Industrial placements take place after your second year of study.)

Advanced modules at level three include:

- Digital Signal Processing
- HF and RF Engineering
- Optoelectronics
- Communications Systems

For all programmes at level three, you will participate in a major individual project spanning the two semesters. Students are encouraged to become involved in research and industry-led projects in their chosen area of focus.

The final year of the MEng programme is designed to cover an enhanced depth and breadth of technical coverage as prescribed by the IET professional body. Level four modules available to this programme include:

- Advanced Communications Networks
- Advanced Communications Systems
- Artificial Intelligence and Expert Systems
- Management in Industry

Engineering *continued*



The Engineering Forum – a meeting place for staff, students and visitors

energy, defence, transport, health and education, and in all of the armed forces. From the design of jet engines and racing cars to the production of consumer goods, mechanical engineers are essential. As an entrant to this profession you receive a sound training in the fundamentals and applications of engineering principles, and can look forward to a challenging and rewarding career.

The degree programme has core modules studied throughout. These modules are the principal strands of the discipline: mathematics, statics, dynamics, solid mechanics, properties of materials, thermodynamics, electrical engineering, fluid mechanics and business management. These core subjects are supplemented by more specialist disciplines and course work, which includes studies in communication, experimentation, computing, laboratory work and design. In addition, the languages French, German and Spanish may be studied as an option. Computer-aided engineering is nowadays all-pervasive. You are guided towards the routine use of this discipline in the normal course of your work. You will use large commercial software packages for engineering design in a manner that you would meet in industry. Good design also involves an understanding of how things are to be manufactured, and knowledge of this forms an important part of the teaching.

Our degrees of BEng and MEng in Mechanical Engineering are accredited by the Institution of Mechanical Engineering. Qualification for corporate membership of a professional institution rests on practical training and professional experience, as well as on educational requirements. If you are a Year in Industry programme candidate your industrial placement may count towards this requirement.

Mechanical Engineering at Cardiff is consistently ranked highly in the UK by independent assessments and teaching standards are rated as 'Excellent' by the Funding Council.

Medical Engineering

MEng (4 years)
MEng (5 years) (Year in Industry)
BEng (3 years)
BEng (4 years) (Year in Industry)

Medical Engineering is a distinct area of university study. The degree is designed to appeal to students who wish to combine classical engineering training with a medical application. The aim of the programme is to produce a highly competent engineer who could pursue a career either in clinical/bioengineering or engineering fields outside medicine.

All programmes share common first and second years in which you will acquire fundamentals in a broad range of engineering disciplines, including Mechanical, Electrical and Electronic Engineering, as well as Anatomy and Physiology. In the first and second years you are introduced to a number of modules designed to apply engineering principles to the medical field.

These include Clinical Engineering, Biomechanics, and Materials and Manufacture.

In Year Three, you will undertake further modules in Clinical Engineering and Biomechanics and will use the fundamental engineering skills acquired in earlier years to solve medical engineering problems, especially in your project.

The fourth year deepens and broadens your knowledge of medical engineering and includes a number of specialist modules including Forensic Engineering, Digital Medical Imaging and Medical Ultrasound.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

MEng: AAB-ABB including Mathematics.

BEng: AAB-ABB including Mathematics.

WBQ:

MEng: Pass in the Core plus AA including Mathematics.

BEng: Pass in the Core plus AA-AB including Mathematics.

Int Bacc:

32 points (BEng) – 34 points (MEng) with five in Maths and a Science at Higher level.

Other: Applications from those offering alternative equivalent qualifications are welcome, as are those who may have other relevant work/life experience.

Specific Subjects

A-level Mathematics (or equivalent).

Also Grade C or higher in GCSE Maths and English (or equivalent). Applicants to the 'Year in France/Germany/Spain' programmes are also required to have Grade C or higher at GCSE in the appropriate language (or an equivalent qualification).

Foundation Year

Applicants with good grades in Mathematics at GCSE, but with A-level or other qualifications in subjects not recognised as being appropriate for an engineering degree programme, may apply for the Foundation Year. This is designed to prepare students for any of the engineering degree programmes. If you wish to apply for the Foundation Year, enter H101 in the choices section of your UCAS application, plus the code for the degree programme you wish to follow after the Foundation Year. This is an integrated degree programme (Foundation Year plus chosen degree programme).

Applications Information

Typical intake: **250**

Typical number of applications: **1,900**

Admissions Tutors

Architectural, Civil, Civil and Environmental Engineering: **Dr Michael Harbottle**

Integrated, Computer Systems, Electrical and Electronic, Electronic and Communications, Engineering: **Dr Richard Perks**

Mechanical, and Medical Engineering:
Dr Peter Theobald

Tel: (029) 2087 4070

English, Communication and Philosophy

More online at:
www.cardiff.ac.uk/encap

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/ UCAS Codes

Single Honours

English Literature BA
Q306

English Language BA
Q313

English Language and Communication BA
QP39

Philosophy BA
V500

Joint Honours

**English Literature and another
Humanities subject**

**English Language and another
Humanities subject**

**English Language and a Modern
Languages subject**

**Philosophy and another
Humanities subject**

See page 124.

At a Glance:

Employability/Careers

Our graduates are sought by all kinds of employers looking for people with a high level of verbal ability, experience in self-expression, and confidence in writing and analysing the written and spoken word. In 2010, 58% of the School's graduates were in employment within six months of graduation, while a further 28% were engaged in further study.

Employers included: local government departments, police forces, secondary schools, universities, banks, solicitors and organisations such as the BBC.

Career destinations included: crime intelligence analyst, lecturer, teacher, programme administrator, research assistant and writer.

Research

In the most recent UK Government Research Assessment Exercise 95% of the School's research was rated at least of international standard with 65% of it classed as internationally excellent or world leading.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/encap

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
 Email: enquiry@cardiff.ac.uk



Cardiff School of English, Communication and Philosophy offers a stimulating range of undergraduate and postgraduate degree programmes, with an emphasis on skills, knowledge and understanding. We seek to provide the highest quality learning experience, and expert advice is on hand to guide you throughout your university career.

The School has a worldwide reputation as a centre for research and publication in English Literature, Critical and Cultural Theory, Language and Communication, and Philosophy. One of the largest teaching centres in the University, the School provides an excellent set of choices for students.

About the Degree Structure

All our degree programmes span three years. Students take 120 credits each year. Only Years Two and Three count towards the final degree classification. Year One is seen as a foundation year in which you are introduced to degree-level study and establish yourself at university. In the first year (only) students usually study the equivalent of three subjects, chosen from different timetable groups (see page 122), with each subject worth 40 credits.

The School offers a choice of six subjects in Year One, and most students choose all of their modules from this range. Single Honours students in English Language, English Literature, and English Language and Communication are required to take 80 credits in their main subject, plus one other subject worth 40 credits. Joint Honours students take 40 credits in each of their main subjects, plus one additional Year One subject. The six first-year subjects offered (and their timetable groups) by the School of English, Communication and Philosophy are:

- English Literature I Group A
- English Literature II Group B
- Communication Group C
- English Language Group D
- Philosophy Group E
- Medieval and Renaissance English Literature Group G

Joint Honours Programmes

For further information about the possible combinations in Joint Honours degree programmes please also see page 124.

Note

For important additional information on degrees in Humanities and Social Studies subjects please see page 122.



The lively exchange of ideas is encouraged

English, Communication and Philosophy *continued*

BA in English Literature

Single Honours

Cardiff English – Inclusive, Challenging, Diverse, Engaged

English Literature at Cardiff is taught by staff with an international reputation for innovative and influential research. Our passion for the subject and the strength and range of our scholarship enable us to offer a degree which is:

- **Inclusive.** We teach across the whole chronological span of English literature, from the Anglo-Saxon period to the twenty-first century; we teach writing in English from England, Wales, Ireland, Scotland, America, India, and Australia. We are intrigued by the connections between literature and film, art, music, history, language, and popular culture, and our teaching reflects these interests.
- **Challenging.** Research-led teaching means students engage with new ideas that will help shape the future of the discipline. We see the study of literature in its various contexts as broadening horizons.
- **Diverse.** After Year 1 there are no compulsory modules. We give you choice – but we also give you the skills and knowledge to make informed choices. You have the freedom to construct a traditional programme covering multiple periods and genres or to build a more distinctive mix of modules combining literary study with analysis of other cultural forms. Our teaching is diverse, too, ranging from traditional-style lectures to smaller-group seminars in which students develop their writing and presentational skills in a supportive environment designed to help them take responsibility for their own learning.
- **Engaged.** At Cardiff we do not think of literature as isolated from the rest of culture or separate from society. We are proud of our reputation for theoretically informed reading, bringing texts from all periods into dialogue with contemporary concerns about gender, identity, sexuality, nationality, race, the body, the environment, and digital technology. We also maintain a strong tradition in Creative Writing, taught by writers making their mark on contemporary culture.

Year 1 is a foundation year designed to equip you with the skills for advanced study and to give you an overview of the subject that will enable you to make informed choices from the modules available in Years 2 and 3. In Year 2 you select from a range of period-, genre- or theme-based modules in which you will build on the foundation year, reading a variety of texts in their historical and cultural contexts. In Year 3 there is a wide range of more specialised modules in which you can pursue interests developed in the previous two years and engage with current issues in research and scholarship, equipping you for postgraduate study and enabling you further to develop analytical and presentational skills that

employers will value. The focus throughout the degree is on becoming a careful, attentive, and informed reader, sensitive to the nuances of language and style and able to articulate your responses to texts in writing which is precise, stylish, and effective.

Special features of Cardiff English

- Year One: a purposeful introduction to the study of English Literature, critical thinking and essay writing
- Years Two and Three: a stimulating range of modules, from Old English to Creative Writing
- High retention rates and high success rates
- International reputation of staff research
- Strong commitment to teaching at all levels

BA in English Literature

Joint Honours Degree

A Joint Honours degree programme combines two different subjects equally. The Joint programme in English Literature combines the study of literature with one other subject. The list of possible subjects is currently: Ancient History, Archaeology, English Language, French, German, History, Italian, Journalism, Music, Philosophy, Religious Studies, Spanish and Welsh.

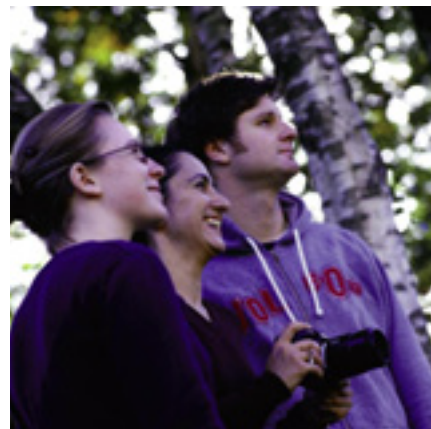
The joint degrees in Philosophy and English Language are taught wholly within the School and lead on directly from the first year courses in these subjects. The School has a strong tradition of joint degrees and many students find that they wish for career or other reasons to sustain their interests in two subjects.

English Language and Communication Degrees

The English Language and Communication degrees are taught by staff with an international reputation for cutting-edge research who are passionate both about their subjects and about teaching those subjects to students. The teaching has been assessed as excellent by both quality review panels and by students over many years.

Cardiff English Language and Communication offers several stimulating and challenging programmes which are:

- **Contextually Rich:** You are provided with a rigorous grounding in the analysis of the English language and you will learn such linguistic tools as grammar, phonetics and discourse analysis. At Cardiff, though, we consider the analysis of language to go well beyond narrow linguistic areas and to include the process of meaning-making and communication more generally. We are particularly interested in the social, cultural and critical aspects of language and this makes for a rich selection of modules of obvious



The English Language and Communication programme can include elements of practical work

relevance to the world in which we live. These include such areas as language and society, language and culture, language and gender, forensic linguistics, language and globalisation, communication in health and workplace settings, language and ideology, communication disorders, computer-mediated communication, and visual and nonverbal communication.

- **Applied:** You will not only learn linguistic and communication theories from those who helped develop them but you will then apply these theories to particular aspects of contemporary life. Many of the modules require you to collect and analyse your own data and you will learn how to transcribe spoken interaction as well as how to analyse it in many different ways. You might also use computer corpora to analyse language use and programmes to design magazine covers and web pages (though practical work is always subordinate to the overall academic and critical orientation of the programmes).
- **Interdisciplinary:** We draw on linguistics and communication theory but also on many other relevant fields such as sociology, anthropology, psychology, and social and critical theory. Working in an interdisciplinary environment helps you develop vital employability skills for the modern world in which boundaries are constantly being broken and flexibility is a must.

The foundation modules in Year One provide a solid grounding in both Language and Communication. You then take six 20-credit modules in each of the remaining two years. The precise modules you take will depend on the specific programme you opt for, though you may change programmes at the end of your first year.

We have organised the programmes to match a wide range of career options (including those in teaching, publishing, PR, journalism, personnel management, counselling, clinical/therapeutic professions, the criminal justice system, among

More online at:
www.cardiff.ac.uk/encap

Detailed course profiles:
www.cardiff.ac.uk/courses



The School has a friendly atmosphere and excellent staff-student relationships

others) and they also prepare students well for postgraduate degrees both here in Cardiff and elsewhere.

BA in English Language

Single Honours

After the first year, this programme places a special focus in the 2nd Year on a description of English language, including its grammar, vocabulary and sound system, though you will also study discourse, sociolinguistics and one or two other options. There will be a number of 'core' modules you are expected to take in Year 2, though you will have a free choice in Year 3.

BA in English Language and Communication

Single Honours

This programme differs from the English Language one in placing less focus in Year 2 on the description of the English Language and more on non-linguistic forms of communication. As with English Language, you will have a free choice of modules in Year 3.

BA in English Language

Joint Honours

A Joint Honours degree programme combines two different subjects equally. The Joint programme in English Language combines the study of language and human communication with one other subject. The list of possible subjects is currently: English Literature, French, German, Italian, Philosophy, Spanish and Welsh. There are various careers which require a general appreciation of

the principles and practice of language use, in conjunction with another language or another subject. These include the teaching of modern languages, translation, multilingual publishing, the international media, and relevant research careers.

Philosophy Degrees

BA in Philosophy

Single and Joint Honours

Philosophy is essentially a distinctive set of reading, thinking, and communication skills. Taking a Philosophy degree develops your abilities to identify the reasons for people's claims, find the assumptions lying behind those reasons, critically assess the reasons and the assumptions, find good reasons yourself to see where they lead, and communicate all of this clearly and effectively.

If you take Philosophy at Cardiff, you will develop these skills through reading, thinking about, discussing, and writing about moral questions, major political issues, and works of art, music, and literature; you will consider how language has meaning, what thought and action really are, what should count as knowledge, and what impact all of this should have on the way we live our lives. You will do this through studying some of the most influential writings in Western literature.

We offer a Single Honours degree in Philosophy and a wide range of Joint Honours degrees with Philosophy as a component. Regular staff contact, small group discussion, and careful feedback on written work are central to our teaching. We do not require candidates to have studied Philosophy before, though we are aware that many will have done so.



Zoe Bridger
English Literature

"I knew that Cardiff had a good academic reputation, but I had also heard so many good things about the University from people who had already been here. The English Literature course really appealed to me because it is very diverse. In the first year you can study English with two other subjects. The list of modules to choose from is vast and there is definitely something for everyone. The teaching is incredibly interesting and informative. The lecturers encourage you to think independently and research your own ideas while providing helpful encouragement and advice. I would like to go on to do a Broadcast Journalism masters when I finish my degree. The University's newspaper, magazine, radio and TV stations are all run by students and are a brilliant way to gain media experience. Cardiff is a brilliant place to study and live - I defy anyone not to enjoy themselves!"

Year One consists of two double modules that together provide a comprehensive grounding in Philosophy, but which do not repeat what some students will already have studied. In addition to these, students are required to take modules from a very wide range of other Humanities disciplines.

Year Two students choose more focused modules, such as Philosophy of Language, Feminist Philosophy, Metaphysics, French Philosophy, Epistemology, or Modern Moral Philosophy.

These provide the basis for Year Three, where specialised modules reflect current staff research and have titles such as Moral Psychology, Nietzsche, The Problem of Consciousness, German Aesthetics, Metaethics, or Problems in Political Philosophy. Students can also develop their research skills by taking the optional dissertation module.

Further Information about the School

Methods of Teaching

Whichever subject and programme you select, you will encounter a variety of methods of teaching. There will be formal lectures, classes where the emphasis is on discussion, large and small seminar groups, and one-to-one contact with tutors. All the programmes, however,

English, Communication and Philosophy *continued*

recognise the importance of discussion and stress individual student participation.

Methods of Assessment

Assessment takes place at the end of every semester, although some modules may be assessed at the end of the year. Assessment takes a variety of forms. Some modules are examined by formal examinations, others are assessed on the basis of essays submitted at the end of the relevant semester. In most degree programmes there is also the option to complete a short dissertation on a topic of your choice. It is our experience that a variety of methods of assessment is the approach that is fairest to the largest number of students, allowing everyone the chance to be seen to their best advantage.

Admissions Procedure

All applicants are encouraged to visit the School. There is a series of Open Days held by the School and other schools jointly. In some cases you may be invited for an interview. Those considering applying should contact the relevant Admissions Secretary for a brochure which will provide further information about the particular degree programme. Informal enquiries are very welcome.

Career Prospects

Our graduates are sought by all kinds of employers looking for people with a high level of verbal ability, experience in self-expression, and confidence in writing and analysing the written and spoken word.

An English Literature degree equips you for a range of diverse careers and employers value highly the special training of Humanities students. Many of our graduates do, of course, become teachers, but an ever increasing number find careers in journalism, public relations, marketing, administration, local government and industry. Through their distinctive experience of working in an innovative and creative manner across traditional boundaries, our graduates are particularly well suited both for postgraduate work and for a variety of posts in the 'knowledge economy'.

The English Language and Communication degrees combine the best of humanities skills (flexibility, communication, critique) with social science skills (technical analysis and systematic method) and thus prepare you for a wide range of career options. Common destinations include primary and secondary school teaching, TEFL, marketing and PR, sales and advertising, the civil service and public administration, but also publishing, journalism, personnel management, counselling, clinical/therapeutic professions and the criminal justice system. Our postgraduate degrees further prospects of employment in these areas.

Philosophy graduates are highly sought after in the public, private, and charity sectors. They are widely recognised as being well trained in analysing reasons, identifying assumptions, constructing arguments, and communicating clearly and effectively. Many study for professional qualifications in law and education, while others go on to research, managerial, and leadership roles in all kinds of organisations. Some graduates take higher degrees in Philosophy or related disciplines before moving on to careers in higher education or elsewhere.

Postgraduate Opportunities

The School houses the international Centre for Critical and Cultural Theory which attracts many graduate students. The Centre for Language and Communication Research has an international reputation in a wide range of applied linguistic disciplines, including sociolinguistics, discourse studies, forensic linguistics, multimodal communication, health communication and language education. The Centre for Applied Ethics acts as a focus for research in this area of philosophy, while the Centre for Editorial and Intertextual Research provides a similar focus for English literature. There are also students working for MA and PhD degrees, by research and on a variety of taught programmes.



Charity Yan
English Language
and
Communication

"When I came to an open day three years ago, I was immediately impressed by the structure, breadth and teaching faculty of the English Language and Communication degree. In my first year, I was given a solid foundation in language and communication which I developed through specialist topics in the next two years. The flexibility of the course means that I can tailor my degree according to specific interests and career aspirations, with support from the School and student services. The lecturers teach in a professional and inspiring manner and are always willing to offer students their time and expertise. I am constantly encouraged to think broadly and critically about every piece of information or task at hand. Cardiff University is a place of abundant opportunities, both inside and outside the classroom, for students to realise their full potential; I highly recommend it as your choice for higher education."

Part-time Study

It is now possible to study part-time for degrees in English Literature, English Language and Communication and English Language. Information can be obtained from the Admissions Secretaries.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

Single Honours: Single Honours: AAB-ABB. Check website for latest details. There are no specific grade or subject requirements except for the degree programmes in English Literature, for which an A-level pass in English Literature or English Literature and Language at grade A is normally required.

Joint Honours: Offers for Joint Honours are normally the same as for Single Honours, except when one subject requires higher grades than the other, in which case the offer will ask for the higher grades. For Joint Honours English Literature an A is required in English Literature or English Language and Literature.

WBQ:

A pass at Advanced Diploma will be accepted instead of one A-level.

Int Bacc:

Please see website for further details.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

Specific Subjects

A-level General Studies is excluded.

GCSE: No specific requirements other than normally at least a grade C in English Language.

Applications Information

Typical intake: **360**

Typical number of applications: **1,500**

Admissions Contacts

English Literature

Anna Birt

Tel: (029) 2087 4819

Email: literature-ug@cardiff.ac.uk

English Language and Communication

Carol Rees

Tel: (029) 2087 4243

Email: clcr-ug@cardiff.ac.uk

Philosophy

Anna Birt

Tel: (029) 2087 6323

Email: philosophy@cardiff.ac.uk

European Languages, Translation and Politics

More online at:
www.cardiff.ac.uk/europ

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/UCAS Codes

Single Honours

French BA

R100

German BA

R200

Italian BA

R300

Spanish BA

R400

Translation BA

(UCAS code to be confirmed)

Law and French LLB

RM11

Law and German LLB

RM21

Law and Politics LLB

ML12

Politics BScEcon

L200

European Politics and International Relations BScEcon

L290

Politics, Diploma in Etudes Politiques (Joint Cardiff/Bordeaux) BScEcon

L241

Integrated Honours

Politics and Modern History BScEcon

LV21

Joint Honours

Politics and Economics BScEcon

LL12

Politics and Sociology BScEcon

LL32

Joint Honours BA – see page 124

Any two of the languages taught in the School

French and another Humanities subject

German and another Humanities subject

Italian and another Humanities subject

Japanese and another language

Politics and a language taught in the School

Politics and another Humanities subject

Spanish and another Humanities subject

The School offers an impressive range of degree programmes covering European Languages, Translation and Politics and has well-established language exchanges with some of the leading international relations institutions in Europe. It is committed to excellence in teaching and Politics was rated excellent in the most recent CHE assessment.

European Languages, Translation and Politics at Cardiff

The School offers a wide range of BA degrees in Languages, BScEcon in Politics and LLB degrees in Languages and Law.

The BA programme offers students the opportunity to pursue their own areas of interest with a wide variety of modules in literature, area and cultural studies, and history. Students can study Single and Joint Honours languages (French, German, Italian and Spanish, including Catalan) or joint degrees with Politics, Law and other Humanities subjects. The BScEcon in Politics can be studied as a Single Honours degree or be combined with a wide range of subjects such as Modern History, Law or Economics.

The School also offers degree programmes in modern foreign languages that are at the forefront of innovation.

Politics and International Relations

In both Modern Foreign Languages and Politics it is possible to combine the School's subjects with a range of other disciplines. Our degree programmes make specific provision for combinations with Modern History, Law, Economics and Sociology, English, Japanese and Welsh.

If you are interested in applying to the School and wish to have details of all the degree programmes and choices we offer, please request our brochure.

Note

For additional information on degrees in Humanities and Social Studies subjects, please also see page 122.

At a Glance:

Employability

In 2010, 57% of the School's graduates were in employment within six months of graduation while a further 31% were engaged in further study.

Employers included: solicitors, secondary schools, universities, hotels, pharmaceutical companies, civil and diplomatic services, EU institutions, banks, media, marketing and tourism organisations. After further training many language students find employment in interpreting, translation and teaching.

Career destinations included: business analyst, policy advisor, language teacher, correspondence officer, marketing officer and lecturer.

Research

In the most recent UK Government Research Assessment Exercise 80% of the School's research was rated as being of international standard. The School was ranked second among European Studies departments in terms of Research Power and sixth in the Times Higher rankings.

Facilities

The School has excellent facilities which include its own auditorium and two IT suites equipped with cutting edge language programmes. The School also has access to the European Documentation Centre which comprises the largest and most wide ranging collection of information in Wales about the EU and the countries of Europe.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/europ

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



European Languages, Translation and Politics *continued*

Politics

Politics focuses on the EU and its member states, political theory and international relations. In the first year of the Politics Honours degree programme, there are three compulsory modules (60 credits) which examine the general foundations of western political thought, modern political analysis, the development of various governmental systems, international relations and the process of European political integration. In the BA and LLB programme there are only two compulsory Politics modules. Many politics students opt to take more if not all of their 120 credits from Politics, but you can also choose options in such areas as modern history, economics, sociology, philosophy and a language.

In the second and third years you will focus on more specialised core and optional modules. Modules on political theory and political ideas provide insights into the popular motivations for political behaviour. Modules dealing with political structures and processes offer opportunities to study some major themes in political analysis, such as policy-making and European integration. You will be able to specialise in the institutions and policy processes of the European Union, and a wide variety of political systems such as those of Britain, France, Germany, Spain and Italy. The study of each of these countries includes the main developments since 1945 to the present day.

You will also have an opportunity to study contemporary international relations, including international security, international law, international organisations and human rights. To enable students to specialise in an area of particular interest we also offer the option of a supervised dissertation.

Politics Joint and Integrated Programmes

These popular degree programmes enable you to study Politics in conjunction with the study of historical experience, economic and social systems, or the legal framework. In the BScEcon degree programme you will be able to study: Politics and Modern History, Politics and Economics, Politics and Sociology, and Politics and International Relations. In these degree programmes provision is made for you to match modules so as to give you a more integrated programme of studies.

In LLB Law and Politics Joint Honours the module options are arranged to enable you to study the Foundation legal subjects necessary for your exemption from the first part of the professional examinations for entry into the legal profession as either a barrister or a solicitor.

European Politics and International Relations

The BA Joint degrees provide the opportunity for you to study for a Politics degree with a modern European language (French, German, Italian, Spanish) or Philosophy or another Humanities subject (please refer to page 124).

The BScEcon European Politics and International Relations programme offers you the opportunity to focus on global politics and world affairs. In addition to three politics modules, in the first year you will be required to take Introduction to International Relations, which will introduce you to the basic skills of international political analysis, and the issues that dominate the world stage. In the final year you will undertake a programme of research, leading to a dissertation in International Relations on a topic that you choose in consultation with staff in the School.

European Languages Degree Programmes

French

In your first year you have a module of contemporary French language. This 3-hour course enables students to build on the French language skills they have acquired at A-level. It provides an understanding of the main rules of French grammar and helps students to improve their oral expression and aural comprehension. The course also enables students to develop their writing skills through a range of exercises including résumés and essays. The oral and aural skills are practised through a varied pool of audio-video material, websites, films and computer programmes. All classes are taught in IT rooms with language laboratories or in rooms with multi-media equipment. Students also study contemporary French language through two short novels. The emphasis is on progressive language learning, with an important weighting being given to continuous assessment. All classes are taught in French by French native speakers. In addition, there are modules on French literature, culture, history, politics and society where no prior knowledge is assumed.

In Years Two and Four of your degree, you take a language module covering translation, written expression and oral/aural skills. The aim is to enable you to acquire a high level of linguistic proficiency.

Language learning is complemented by optional modules which provide a real insight into French and Francophone life and culture. You may choose all your options either from a specific pathway (French and Francophone Literature, Culture and Society, French Politics and Area Studies) or you may decide to follow a range of different options including business, politics, literature, film, geography and Francophone

African Studies. Students of Business French may take the prestigious Paris Chamber of Commerce examination.

Your third year is spent in France either as a paid Teaching Assistant in a French school or as a full-time student on one of our Socrates exchange programmes with Caen, Chambéry, Limoges, Montpellier and Nantes. We also have exchanges with Instituts d'Etudes Politiques in Bordeaux, Grenoble, Lyon, Paris, Rennes and Strasbourg. More recently, academic links have been set up with Mons in Belgium, Institut Libre Marie Haps, Brussels and Geneva in Switzerland.

German

There are two alternative first-year German modular programmes of study: one module for A-level entrants (advanced) and another for beginners and those with little existing knowledge.

In the language classes, emphasis is on developing accuracy in speech and writing. Both the beginners' and the advanced course will give you plenty of practice in all skills, listening, speaking and writing. All language classes in year one and two are taught by native speakers. Language classes for advanced students are taught entirely in German and in the beginners' we teach through the medium of German as early as possible. In our teaching we make regular use of the School's excellent facilities for computer-enhanced language learning. Translation into English and academic writing are key elements of the advanced course at all levels. Topical material is used for both the language teaching and translation practice to give students a sound knowledge of contemporary German.

Students on the BA and LLB programmes also attend a module on aspects of German Culture and another on Contemporary German History in year one.

In years two and four you undertake advanced study of the language, again focussing on topical texts and on the kinds of language particularly relevant to your degree programme. Beginners and advance students study in separate groups for the first two years of their degree. In the final year beginners will have reached a level of proficiency that allows them to attend the same classes as students with German A-level.

Optional modules cover a range of themes in literature cultural politics, history and present-day society, including European Cinema, European Fiction, National Socialism, May '68', Brecht and Representations of the GDR in Literature and Visual Culture. Such modules give you the chance to use your German to understand different aspects of German cultures in a broad sense. Interdisciplinary modules enabling you to study aspects of European culture going beyond the German-speaking area have been introduced for year two students who want to explore a subject

More online at:
www.cardiff.ac.uk/europ

Detailed course profiles:
www.cardiff.ac.uk/courses



The School has up-to-date language laboratories

in even greater depth can do so by writing a dissertation in year four.

As a German specialist, you spend the third year of your degree abroad in a German-speaking country. You can either study at one of our partner universities (Heidelberg, Rostock, Kassel, Mainz, Passau, Saarbrücken, Frankfurt, Berlin TU) or gain teaching experience as an assistant teacher in Austria or Germany. For highly self-motivated and independent students a work placement can also be a rewarding alternative.

Italian

There are two alternative first year Italian modular programmes of study: Pathway One, intended for students with an A-level (or equivalent) in Italian and Pathway Two (beginners) for students with a good A-level (or equivalent) in another foreign language. All Year One language classes are taught in Italian and only occasionally through the medium of English.

In Year One, both beginner and advanced students follow an introductory course on Italian history and culture: this module is taught and assessed in English.

In Years Two and Four of the degree programme, all students take compulsory language modules covering translation, oral/aural work, composition and reading. All our language classes in Year Two are taught in Italian by native speakers.

Optional modules in Years Two and Four cover a wide range of themes: there are optional modules on modern literature, Italian cinema, history of ideas, women's writing, politics and history. As a student of Italian you can choose from School-wide interdisciplinary modules which will allow you a real insight into European culture. You spend

your third year of study in Italy, usually as an Erasmus student in Milan, Pavia, Venice, Parma, Pisa, Catania, Verona or Trento. When you are in Italy you are usually required to follow specially selected courses in our partner University, where you will also gain certification for all the language work you do on the relevant Italian language courses. Single Honours students are encouraged to apply for assistantships in Italy through the British Council.

Spanish

There are alternative first year Spanish modular programmes of study: Pathway One (classes in written and spoken Spanish) for students with a good A-level in Spanish or equivalent knowledge; Pathway Two (beginners) for students with a good A-level or AS grade in another foreign language.

In Years Two and Four of the degree programme all students take language modules covering grammar, translation and oral/aural skills. Students are encouraged to make full use of IT facilities.

Language study is complemented by a flexible range of core and option modules dealing with the literature of modern Spain and Latin America, Spanish and Latin American cinema, politics and history in 20th century Spain, Catalan language and culture.

Students spend their third year at a university in Spain (Barcelona, Cáceres, Ciudad Real, Granada, Lleida, Santiago de Compostela, Sevilla, Valencia, Vic) or Latin America (Lima, Peru, or Guadaleajara, Mexico). In addition, Single Honours Spanish students are encouraged to apply for assistantships in Spain or Latin America.



Chris Williams
Politics

"The teaching is brilliant quality with a personal edge – my lecturers are accessible and easy to talk to. I'm lucky and pleased that I chose Cardiff as my University. I'm proud to be a part of it and being able to get so involved so easily has been brilliant."

Joint Language Programmes

Many students choose one of our Joint Honours language degree programmes after successfully completing at least two language subjects in their first year. Virtually all modules available to Single Honours language students are also available to Joint Honours language students. Linguistic proficiency is taken to the same high level as it is in single language programmes. You will be given every encouragement and opportunity to pursue comparative work in interrelated modules.

The Joint Honours language programmes assure equivalent weighting for each of the two subjects you choose. Your year abroad is normally divided equally between each of the countries whose languages you are studying.

Languages and Law Programmes

The German or French LLB degree programmes aim to take you to a high level of linguistic proficiency in your chosen language. In the two degree programmes, you may take a core of modules in law, which provides for complete or partial exemption from Part One of the academic stage of the professional examinations for barristers and solicitors.

After the core introductory modules in Year One, the programmes are organised flexibly so you may focus more on law or on a language, or split your studies evenly between the two.

During your year abroad you will be required to complete legal studies in the law faculty of the University of Nantes, Poitiers, Amiens, Rennes, Toulouse, Passau, Konstanz, Trier, Bern or Innsbruck. If you are admitted to one of the language and law programmes you have the opportunity to take some modules on literature and institutions in your chosen area (see also Cardiff Law School, page 90).

European Languages, Translation and Politics *continued*

The Joint Cardiff-Bordeaux Degree Programme

This programme enables students to obtain a Cardiff BScEcon degree in Politics and a Diplôme from the Institute of Political Studies (IEP) in Bordeaux. Years One and Three are spent in Cardiff, and Years Two and Four in Bordeaux.

This is a joint venture between Cardiff School of European Studies at Cardiff University and one of the leading Institutes of Political Studies in France. It places Cardiff at the cutting edge of international research and teaching collaboration.

This programme builds on Cardiff's reputation as a centre for the study of French politics, both at undergraduate and postgraduate level. The joint Cardiff-Bordeaux programme builds upon a combination of modules that already existed within the Cardiff portfolio, and tried and tested courses running in Bordeaux.

BA Translation

This new programme builds on established translation teaching within the languages and the very popular Year One translation options. The programme is three years in duration. Students would have a major language and a minor language and there are a series of professional and practical translation modules together with cultural modules from across the School. At present students may study French, German, Italian, Spanish, Welsh and Japanese. The translation modules would include Translation Theory and Translation Methods as well as specialised translation and profession translation. The cultural options cover a wide range of subjects both country specific and general e.g. European Cinema. The programme provides students with an excellent grounding in translation skills.

Joint Honours Degree Programmes

All the School's disciplines participate fully in the Joint Honours degree programmes. There are opportunities to study for degrees in Politics and modern foreign languages. Many combine two of the School's four taught languages. Other permitted Joint Honours combinations are detailed on page 124.

Particulars of the modules available under this programme in each of our disciplines may be found in our School brochure. Where a modern foreign language is one of the two subjects selected, completion of the normal period of residence abroad is required.

Methods of Teaching

Lecturing takes place alongside seminars and tutorial teaching in all the School's degree programmes and virtually all modules stress individual student participation in small groups.

All our language modules are designed to enable you, over the four years of your degree, to achieve a high level of proficiency in the spoken and written language and to communicate effectively in a wide range of practical situations. All oral classes and many other classes are taught by native speakers.

Methods of Assessment

Formal examinations are combined with continuous assessment such as projects, dissertations, coursework, continuous assessment and class tests.

Admissions Procedure

Your application will be considered carefully and treated fairly, and on its merits. Everyone who receives an offer is invited to visit us during one of our Open Days when you will be able to ask staff and students about the School and about life in Cardiff.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

BScEcon: AAB-BBB

BA: ABB-BBB

LLB: AAB-BBB

For BScEcon Modern History and Politics: History.

For degree programmes involving the study of French: French Grade A at A-level.

For degree programmes involving the study of German, Italian or Spanish: a good A-level in a modern foreign language.

WBQ:

French: EITHER A (French) BC at A2 level (excl. General Studies) OR A (French) B at A2 level (excl. General Studies) and Pass in the Welsh Bacc.

German: EITHER B (German or other language incl. Welsh), BB at A2 (excl. General Studies) or B (German or other language incl. Welsh), B (excl. General Studies) and Pass in Welsh Bacc.

Italian: EITHER B (Italian or other language incl. Welsh), AB at A2 (excl. General Studies) or A (Italian or other language incl. Welsh), B (excl. General Studies) and Pass in Welsh Bacc.

Spanish: Spanish or other language incl. Welsh, BC at A2 (excl. General Studies) or B (Spanish or other language incl. Welsh), B (excl. General Studies) and Pass in Welsh Bacc.

Politics: A pass in the Welsh Bacc is accepted as the equivalent of the third A2 level, ie the lowest of the 3 A2s required in the standard offer, e.g. the 'B' if the offer is AAB, ABB or BBB; the C if the offer is e.g. BBC.

(General Studies is not accepted as an A2.)

Int Bacc:

Considered on individual merit.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

All degrees

GCSE. English at grade C.

Applications Information

Typical intake: 230

Typical number of applications: 1,300

Admissions Tutors

Languages:

Dr G Vatalaro

Tel: (029) 2087 5637

Politics:

Dr G Garrard

Tel: (029) 2087 5599

Email: euros@cardiff.ac.uk



Healthcare Studies

Degree Programmes/ UCAS Codes

Occupational Therapy BSc (Hons)

(3 years, full-time) B920
(4 years, part-time) Direct Entry

Occupational Therapy PGDip

(2 years, accelerated)(pre-registration)

Operating Department Practice: Intra and

Perioperative Practice BSc (Hons)

(1 year full-time or 2 years part-time)
Direct Entry

Operating Department Practice Diploma of Higher Education

(2 years, full-time) B990

Physiotherapy BSc (Hons)

(3 years, full-time) B160

Radiography: Diagnostic Radiography and Imaging BSc (Hons)

(3 years, full-time) B821

Radiography: Radiotherapy and Oncology BSc (Hons)

(3 years, full-time) B822

At a Glance:

Employability/Careers

In 2010, 93% of the School's graduates were in employment within six months of graduation.

Employers included: NHS Trusts, community health services, local government social service departments plus organisations such as Age Concern and the Cardiff Blues rugby team.

Career destinations included: occupational therapist, physiotherapist, radiographer and operating department practitioner.

Research

The School is the leading centre of academic activity for Allied Health professionals in Wales. The School is also a leading provider of healthcare education with many of its programmes having a national and international reputation in their respective professions.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/healthcarestudies

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Cardiff School of Healthcare Studies is renowned for its innovation in learning and teaching. It is also developing a strong research profile across all its areas of expertise, including the Research Centre for Clinical Kinesiology, and also for occupational science.



An Occupational Therapy student trying an everyday task in a wheelchair

Occupational Therapy

The Department of Occupational Therapy Education offers three programmes of study, which lead to an Occupational Therapy qualification. All programmes of study include an integrated mixture of university-based study and at least 1,000 hours of practice placements in the clinical setting.

The Department works collaboratively with Bangor University (two-year programme of study) and Glyndwr University, Wrexham (four-year programme of study) to deliver Occupational Therapy education across Wales. Practice placements for all three programmes of study are located across Wales and in adjacent regions of England.

BSc (Hons) Three-Year

The three-year degree in Occupational Therapy is offered on a full-time basis and welcomes applications of all ages.

BSc (Hons) Four-Year

The four-year degree in Occupational Therapy is offered on a part-time basis and preference may be given to those who are currently working alongside Occupational Therapists. However, applications are also welcomed from people who can present evidence of similar experience.

Postgraduate Diploma Two Year

Although strictly speaking a postgraduate programme, this accelerated programme of study is run full-time over two calendar years starting in January each year. To meet the educational requirements of the professional body, 'The College of Occupational Therapists' the curriculum extends over 45 weeks each calendar year, a total of 90 weeks in all. The 45 weeks are scheduled from January through to December.

Placements are based around the problem-solving process of assessment, planning, intervention and evaluation. The student's performance whilst on placement is assessed and contributes to the awarding of the degree. The placement length ranges from six to twelve weeks and could be in a number of geographical locations within Wales and England.

Personal Qualities

Applicants should show a friendly, outgoing personality, patience, tact, and a real interest in people and in helping them to solve their own problems. Extra curricular activities, work experience and interests will be taken into account during selection. Applicants should have a general understanding of the Occupational Therapy profession and be prepared to undertake a programme of study which requires self-directed learning and willingness to undertake personal research.

Healthcare Studies *continued*



An Operating Department Practice student preparing for surgery



Physiotherapy basic skills are learnt in the university setting and then applied in a clinical work placement

Operating Department Practice

The Department of Operating Department Practice Education offers two distinct programmes of study. The Diploma of Higher Education in Operating Department Practice provides the route to professional registration as an Operating Department Practitioner (ODP). The BSc (Hons) programme of study offers a post-registration qualification in Intra and Perioperative Practice to both experienced perioperative practitioners and to those who have successfully completed the Diploma programme.

Further details of the BSc (Hons) one year full-time or two years part-time programmes of study are available in the School brochure.

The ODP's work involves the provision of clinical care as an integral part of the anaesthetic, surgical and post anaesthesia care teams.

Diploma of Higher Education

Throughout Wales a large number of hospitals are involved in the clinical education of future ODP professionals. The programme of study runs for two years, during which time students gain theoretical and practical knowledge in 12 academic/clinical modules in a series of 22 study block weeks held in the Department. The remainder of the time is spent building upon this knowledge and developing skills through additional theoretical input and practical instruction in the clinical environment during 10 clinical placements.

Personal Qualities

Applicants to the Diploma programme need to be of a caring nature and self-motivated. They should also enjoy the challenges offered by pressure situations and be comfortable working with a broad range of people.

Applicants are also expected to have a general understanding of the ODP profession and the perioperative environment.

Selection for Interview

Applications for the Diploma programme are made through UCAS. Acceptance to the programme is dependent upon the results of psychometric testing, an interview and on the agreement of the potential 'base-hospital' to employ the student for the duration of the programme of study. Applications for the BSc (Hons) programme are made directly to the School. Interviews will be offered to those applicants meeting the admissions criteria.

Physiotherapy

The Department of Physiotherapy Education offers a three-year full-time programme of study, which leads to a BSc (Hons) in Physiotherapy. The diverse nature of physiotherapy practice is reflected in the theoretical and practical aspects of this programme of study and involves both University-based learning and 1,000 hours of clinical work placement.

Although the BSc programme of study is based in Cardiff, clinical education placements, in a variety of Physiotherapy settings, take place in a number of geographical locations. Placement learning is obviously a vital part of the programme of study and particular attention is paid to maintaining the very high standard of our clinical placements. Students gain experience in all core areas of physiotherapy.

BSc (Hons) Three-Year

Applicants for the three-year programme of study must be 18 years old by 1st November of the year of entry.

The aim of the physiotherapy degree is to produce an individual who is capable of competent physiotherapy practice using an evaluative and problem-solving approach. The student is given the opportunity to develop knowledge and understanding in the following areas; cognitive skills; discipline related practical and professional skills such as the competent use of IT and working as a team member. These are set in the context of the physiotherapy profession. Students are encouraged to develop independent learning styles that will enable them to continue as 'life-long learners'.

Much of the undergraduate programme is taught in small groups and tutorials, lectures and practical sessions. A personal tutor system enables careful monitoring of the progress of each individual student. It is essential for students to be prepared to learn and practice practical skills on each other.

Personal Qualities

The Department seeks to admit students who will show exemplary behaviour and courtesy towards patients, teaching staff, other members of the healthcare team and the general public. The Department also places particular emphasis on the duties and responsibilities students will have as future health professionals.

Candidates are expected to have researched the profession and to have an understanding of the diversity of Physiotherapy. Whilst work experience in a physiotherapy department is ideal for acquiring this knowledge, not all candidates will have such an opportunity. Therefore it is recommended that information is obtained from the Chartered Society of Physiotherapy website: www.csp.org.uk

Radiography

The Department of Radiography Education offers two distinct full-time programmes of study, which lead to a BSc (Hons) in Radiography. This qualification leads to the eligibility for registration as either a diagnostic or a therapeutic radiographer. The two programmes of study, with some shared learning, include an integrated mixture of university-based study and practice placements in the clinical setting. The Department works collaboratively with the NHS Trusts across Wales to provide practice placements for both programmes.

BSc (Hons) in Diagnostic Radiography and Imaging

BSc (Hons) in Radiotherapy and Oncology

Both full-time programmes of study are of 143 weeks duration, including 30 weeks of holidays spread over the three years. The time is divided into academic and clinical blocks.

These programmes of study are designed for a challenging and changing career in the fields of diagnostic imaging and radiotherapy. It is envisaged that radiographers completing each programme of study will be able to analyse, evaluate and innovate in the clinical setting and provide the best patient care.

The concept of integration is incorporated into the programmes of study in a number of ways. Firstly, through integration of the academic and clinical education. Secondly, by careful planning of the content and the timetable to build on the experience gained during clinical placements. This philosophy enhances interaction between radiographer and patients, resulting in increased satisfaction for both. Working as a member of the healthcare team, radiographers make significant positive contributions to the Healthcare Service.

The research element represents the culmination of the three years of study. The research methods component of the syllabus helps provide the foundation for research practice and equips students with necessary skills.

During their research, students draw on the education and experience gained in their first two years and produce an independent but supervised piece of work, which forms an essential part of the Honours degree and the overall final assessment.

Personal Qualities

The Department seeks to admit students who:

- Enjoy working in a team and meeting a variety of people of all ages and from different backgrounds.
- Are of a caring, compassionate nature and desire to continue acquiring new knowledge and skills.

- Have a high level of competence and confidence handling sophisticated technology.
- Are physically able to work safely, quickly and accurately.
- Are willing to take responsibility, and make decisions.
- Have good communication skills.

Career Opportunities

The degrees in Physiotherapy, Radiography and Occupational Therapy all allow the majority of graduates to be eligible for registration with the Health Professions Council. Practically all of the graduates in Physiotherapy and Radiography enter the NHS at Junior Grade, while Occupational Therapists may enter the NHS or be employed by Social Services.

Through the Postgraduate and Continuing Education Unit the School runs various postgraduate and post-registration courses. More details of all these programmes of study can be found on our website.



Lizzie Russell
Physiotherapy

"The wide variety of practical and lecture content means each day is different! It could range from massage, dissection, electrotherapy, hydrotherapy, body paint... and so much more! The lecturers are very committed to helping you not only gain a degree but delivering the best possible care to patients."

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

Occupational Therapy: ABB. No specific subjects required.

Operating Department Practice (ODP): CCC.

Preference is given to applicants offering at least one 6-unit science subject.

Physiotherapy: AAB. At least Grade B in a Biological Science is essential.

Diagnostic Radiography and Imaging: BBB. Grade B in a Science A-level is required.

Radiotherapy and Oncology: BBC. Grade B in a Science A-level is required. General Studies, Critical Thinking and Citizenship are excluded.

WBQ:

Occupational Therapy: Pass in the core plus grades AB in two A-Levels.

ODP: Pass in the core plus CC in two A-levels.

Physiotherapy: Pass in the core plus grades AA in two A-Levels, one of which must be Biology or Human Biology.

Diagnostic Radiography and Imaging: Pass in the core plus grades BB in two A-levels, one of which must be a science.

Radiotherapy and Oncology: Pass in the core plus grades BC in two A-levels, one of which must be a science.

Int Bacc:

24-28 points.

Please see website for more details.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience. Please contact the Admissions Tutors for more information. Students with an appropriate degree may be admitted to the accelerated programme of Occupational Therapy.

All Programmes

GCSE: English, Mathematics and a Science to at least grade C.

Applications Information

Typical intake: **220**

Typical number of applications: **1,700**

Admissions Tutors

Occupational Therapy (full-time)

Mrs Deb Kaafar

Tel: (029) 2068 7763

Part-time (4 years) - **Mrs Nina Cogger**

Tel: (029) 2068 7791

Accelerated (2 years) - **Ms Alison Seymour**

Tel: (029) 2068 7762

Operating Department Practice

Mr Paul Hennessy

Tel: (029) 2068 7711

Physiotherapy - **Mr Richard Day**

Tel: (029) 2068 7725

Radiography - **Mr Mansell Griffiths**

Tel: (029) 2068 7735

Postgraduate Admissions - **Ms Rachel Streets**

Tel: (029) 2068 7561

Email: Streets@cardiff.ac.uk

History, Archaeology and Religion

Degree Programmes/UCAS Codes

Ancient History BA

V110

Ancient and Medieval History BA

V116 (integrated programme)

Archaeology BA

F400

Archaeology BSc

F402

Archaeology and Ancient History BA

VVC4 (integrated programme)

Archaeology and Medieval History BA

VV1K (integrated programme)

Conservation of Objects in Museums and Archaeology BSc

F481

History BA

V100

History with Welsh History BA

V1V2

Modern History and Politics BScEcon

LV21

Religious and Theological Studies BA

V603

Joint Honours BA – see page 124

History and another Humanities subject

Archaeology and another Humanities subject

History and another Humanities or Social Science subject

Religious Studies and another Humanities or Social Science subject

At a Glance:

Employability

In 2010, 62% of the School's graduates were in employment within six months of graduation while a further 22% were engaged in further study.

Employers included: local government departments, universities, public libraries plus organisations such as the Church in Wales, Museum of Archaeology and Anthropology and the Department of Education.

Career destinations included: care of collections officer, preventative conservator, assistant chaplain, priest and teacher.

Research

In the most recent UK Government Research Assessment Exercise 95% of the School's religious studies research was rated as being of international standard. 90% of its Archaeology research was rated as being of international standard and 85% of its History research was rated as being of international standard.

Facilities

The School is located in the Humanities Building, close to the Arts and Social Studies Library. A computer room is available for private study. There are also purpose-built laboratories for those studying Archaeology or Conservation as well as a range of photographic and drawing facilities, and a dedicated Ancient History library.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/share

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The School offers an exciting range of degree programmes in Ancient History, History, Welsh History, Conservation, Archaeology and Religion, ranging from the Palaeolithic age to the present day, as well as a vibrant programme of joint honours degrees with other subjects in the Humanities and Social Sciences.

You will have every opportunity to discover and develop your particular interests within the degree programme of your choice. The well-resourced School has a strong record for high-quality, research-led teaching backed up by the latest research. The high quality of our teaching is reflected in student satisfaction surveys and in the supportive learning environment in the School.

Outline of Degree Programmes

BA History

The study of history is essential to the intellectual life of any society. History courses are designed to foster a critical understanding of key historical controversies. All our modules are research-led and progress from broad and thematic courses in the second year to more specialised study in the third year. They range from the early Medieval period to the present and allow you to study the histories of Britain, Europe and Asia. You will learn when and how to use primary and secondary sources, the conventions of historical scholarship, and acquire a wide range of transferable skills that will be valuable in any future career.

The first year of your degree introduces you to a broad range of subjects, which helps you to decide what courses to take later on. You can choose from a variety of courses covering medieval European history, early modern England and Wales, and modern world history, and also take modules in Welsh History, Ancient History and Archaeology, as well as many other Humanities and Social Science subjects. Second and third year courses are research-led, which means that you will be taught by researchers, and that you will learn to do research yourself. The culmination of your degree will be a dissertation, in which you will hone the research skills essential to many careers. You will be able to choose from courses in a wide variety of periods and areas.

The School offers the opportunity for Single Honours students to spend a year of study abroad at a European or North American university. There is no cost except for travel and accommodation.



The School benefits from a friendly and relaxed atmosphere

More online at:
www.cardiff.ac.uk/share

Detailed course profiles:
www.cardiff.ac.uk/courses



A practical class in archaeological conservation

BA History with Welsh History

BA History with Welsh History gives you the opportunity to combine a broad knowledge of history with an in-depth understanding of the history of Wales and the Welsh. Teaching in a number of modules is available in Welsh.

BA Ancient History

Ancient History focuses on developing an understanding of the societies of the Greek and Roman worlds and their immediate neighbours in Europe, the Mediterranean and the Near East. You will learn about the political, social and cultural history of a variety of different states, how to construct evidence-based arguments, and understand modern debates on a variety of historical issues. By the end of your degree you will have acquired a range of important transferable skills leading the way to a range of different career opportunities.

Ancient History courses make extensive use of both written sources studied in translation and the archaeological record. Greek and Latin at beginners and intermediate levels are offered, but not required.

The first year Ancient History courses cover some of the most important and influential periods of Greek and Roman history and provide a welcoming introduction for newcomers to the

subject, as well as opening up exciting new topics for those who have studied the subject at school.

In your second and third year, a variety of courses are available covering Greek and Roman history from the earliest Aegean civilisations to the Byzantine Empire, all of which are taught by experts actively involved in research on the subjects they teach.

BA Archaeology BSc Archaeology

Archaeology is the study of past human communities from their material remains. It is an exciting, hands-on discipline that requires you to develop a wide range of skills, and many are transferable to a variety of careers. These include excavation and processing of finds, drawing, digital illustration and photography, scientific analysis of the remains of ancient environments and landscapes, use of Geographic Information Systems and other IT applications, management and organisation of project-based teams, and research, writing and public speaking.

In your first year you take introductory modules on the human past of Britain, Europe, the Classical World, and Egypt, as well as on archaeological skills for the laboratory and field, the history of archaeology, and the study of ancient environments and economies. All modules are open to students taking the BA or BSc degrees.

Harriett Johnson
History

"The lecturers are very welcoming always willing to help. They are so passionate about their work. This makes lectures and tutorials very interesting and engaging as what they teach you is based on their recent research and discoveries."

In your second and third years, you choose from a wide range of specialist topics, periods or skill modules based on staff research interests. These currently include: the Neolithic, Later Prehistory, Greece and Rome, Egypt, Anglo-Saxons and Vikings, the Celts, Ancient Technology, Bioarchaeology and Archaeological Computing. You will also take a set of core skills modules and spend two four-week sessions on excavations and projects run by members of the department or by colleagues from other universities in the UK, Europe or overseas.

Teaching is via lectures, small group seminars and tutorials as well as laboratory practicals, field-trips and excavations. In your degree you will become an archaeologist by doing Archaeology, not just reading about it.

History, Archaeology and Religion *continued*

BSc Conservation of Objects in Museums and Archaeology

This degree offers students interested in arts, applied science and practical work an opportunity to combine all of these interests within an exciting and challenging degree programme. Study centres on the investigation, analysis and preservation of cultural objects from museums, excavations and historical collections. Theory courses are transferred into practical outcomes via hands-on work on cultural objects that takes place in a suite of purpose-built and recently refurbished conservation laboratories. Analytical facilities include a state-of-the-art electron microscope with full analytical facilities and FTIR microscopy. Emphasis is on preventing the decay of cultural materials via knowledge of their structure and decay processes, which is used to devise conservation treatments and identify suitable storage and display environments.

The strong vocational nature of the Cardiff degree programme is recognised within the conservation profession and this factor provides conservation students with good job opportunities.

BA Ancient and Medieval History

BA Archaeology and Ancient History

BA Archaeology and Medieval History

These integrated Honours programmes are designed to ensure that the School provides the widest possible range of choice across our disciplines. In each case the courses have been selected from those available in the relevant Single Honours programmes and arranged so that you can combine the study of two main areas easily.

BScEcon Modern History and Politics

In this well-established integrated degree, the importance of concepts and theory in both history and politics is brought out, and the course engages with the past in relation to the contemporary political world. There is a generous choice of optional modules on those historical and political themes which are central to an understanding of public life in the modern world. This degree is taught jointly with Cardiff School of European Languages, Translation and Politics.



The School has excellent library and private study facilities

BA Religious and Theological Studies

Religion has been part of human experience from the earliest traces of human existence up to the present day. It has been the way most cultures have sought to express their understanding of the purpose of life and the foundation of personal and social behaviour. The study of religion, therefore, is rich and exciting, inviting students to explore their own and other peoples' religious history and culture, and some of the fundamental questions of existence.

This degree offers a wide choice of modules within a coherent structure, including those of a broad and general character (for example, Buddhism or The History and Religion of Ancient Israel) as well as those of a sharply-focused nature (for example, Religion and Performance in South Asia or Selected Hebrew Texts). An extensive range of language options is available for those who wish to study texts in the original languages. Greek, Hebrew, Aramaic, Syriac, Arabic, Latin, Sanskrit, and Pali are all currently on offer.

As a single honours student in your first year, you will take a core subject, Introduction to Religion I, and will usually also take Introduction to Religion II. Two introductory theology modules may be taken: The Story of Christianity and Introduction to the Bible. To round off your first-year choices, you may opt to study a language for the study of religious texts, either Hebrew, Greek, Sanskrit, or Arabic; or alternatively opt to take another humanities subject such as English, Philosophy, or History.

Hebrew, Greek, and Sanskrit may also optionally be studied in the first year.

A wide choice of 50 modules is available in the second and third years, enabling students to develop the skills involved in critically exploring and assessing issues of faith, religion, culture and society, within a challenging and pluralistic academic environment. There is an opportunity to encounter an extensive range of academic perspectives and skills, such as linguistic and textual analysis, historical and sociological methods, and philosophical argument.

Joint Honours Degree Programmes

For further information about other Joint Honours degree programmes please also see page 124.

Methods of Teaching

Teaching is delivered through a mixture of lectures, seminars, workshops and tutorials. Staff place a value on small teaching groups and tutorials, and on contact with students. They believe that seminars and tutorials are an essential part of learning: they allow you to develop your skills in setting out your ideas and arguments and in communicating your knowledge, skills which are developed through the range of assessment methods we use in our modules. In addition, our degrees focus strongly on the development of skills essential for many careers.

Methods of Assessment

Many of the modules taught in the School lead to written examination papers, but a range of other assessment methods are used. Most degree programmes include a final year dissertation, and most include a substantial element of coursework

assessment. Presentation skills form part of the assessment on some modules. Continuously assessed laboratory work is used in Archaeology and Conservation.

Admissions Procedure

We base the majority of our admissions decisions on UCAS applications only. Some applicants with unique circumstances may be asked to come to an interview. If you apply and are given a provisional offer, you will be invited to one of our Open Days. These normally take place in February and March. Brochures giving more details are available on request from the School Office. Email: shareadmin@cardiff.ac.uk

Career Prospects

Some of our students go on to graduate careers that make direct use of the subjects they have studied: for example, many Archaeology students find careers as professional archaeologists or in museums, and others become teachers, museum or archive specialists or lecturers. Most Conservation graduates remain within their chosen vocation. It is important to realise, however, that a Humanities degree is a qualification for a very wide variety of jobs in industry and business, the Civil Service and local government, journalism and the media, and elsewhere. Not all jobs require specific disciplines or skills, and many employers are looking for people who are articulate, capable of thinking for themselves and able to tackle problems intelligently. The degree programmes offered in the School are therefore an excellent preparation for a wide range of interesting and rewarding careers.



Chris Duncan
Religious Studies
and Politics

"The Religious Studies course offered exciting modules that covered all the major religions, offering the opportunity to explore religions beyond basic facts or general perceptions. The quality of teaching is excellent; the lecturers have spent years researching their subject areas so it's great to learn from real experts. The teaching is often interactive, either with slide shows or discussion. It's great when your textbook is written by the lecturer too!"



Various contacts are maintained with the city's Churches and ethnic groups

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

History (Single Honours): AAA at A Level, including A-level History.

Modern History and Politics: AAB.

Ancient History: ABB-BBB.

Archaeology BA and BSc: BBB-BBC.

Conservation: BBB-BBC (Chemistry preferred).

Religious and Theological Studies: BBB.

All other degree programmes within the School: BBB.

Joint Honours programmes with History: range from AAA to ABB (see information on individual degree programmes).

WBQ:

History (Single and Joint Honours): Pass Advanced Diploma plus three A-levels, two of which including History must be AA.

Archaeology (all degrees): Pass Advanced Diploma and BB at A-level.

Ancient History (all degrees): Pass Advanced Diploma and AB-BB at A-level.

Religious and Theological Studies (all degrees): Pass Advanced Diploma and ABB-BBB at A-level.

Int Bacc:

28-36 points including scores of 5/4 at Higher Level.

Joint Honours with History: 34 points, including 6 at Higher Level History.

History: 34 points, to include 6 at Higher Level in History and 6 in another subject at Higher Level.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience. Please contact the Admissions Tutors for further information.

All degrees

A-level: General Studies and Critical Thinking are excluded.

GCSE: English at grade C.

Applications Information

Typical intake: 260

Typical number of applications: 1,650

Admissions Tutors

Archaeology: **Dr Alan Lane**
Email: LaneA@cardiff.ac.uk

History: **Dr Garthine Walker**
Email: WalkerGM@cardiff.ac.uk

Modern History and Politics, History (Joint Honours): **Dr Tracey Loughran**
Email: LoughranTL@cardiff.ac.uk

Ancient History: **Dr Shaun Tougher**
Email: TougherSF@cardiff.ac.uk

Conservation: **Ms Jane Henderson**
Email: HendersonLJ@cardiff.ac.uk

Religious Studies: **Dr Daniel King**
Email: KingDH@cardiff.ac.uk

Journalism, Media and Cultural Studies

Degree Programmes/ UCAS Codes

Single Honours

Journalism, Media and Cultural Studies BA
PP53

Joint Honours

Journalism, Media and English Literature BA
LP65

Journalism, Media and Sociology BA
LP35

At a Glance:

Employability/Careers

In 2010, 83% of the School's graduates were in employment within six months of graduation or engaged in further study with others taking time out to travel etc.

The degree equips students with the skills needed to embark on a wide range of possible careers with many students progressing onto the postgraduate Journalism and Global Communications Masters degrees available at Cardiff and elsewhere, and from there to various jobs in the media.

The School's first-class reputation also means that graduates are recognised as among the most successful in finding employment both in Britain and abroad in a range of work – teaching, public service, the civil service, university, charity and arts administration, and public relations for a range of industries.

Research

In the most recent UK Government Research Assessment Exercise 95% of the School's research was rated as being of international standard. 75% was rated as either world leading or internationally excellent.

League Tables

The School is regularly ranked amongst the top 10 in the various university league tables and university guides.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/jomec

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The School is home to one of the UK's most modern and dynamic Bachelor degrees. The Journalism, Media and Cultural Studies undergraduate course is designed to challenge and explore perceptions of the role of the cultural industries and media generally.



The BA lectures use the latest media and research to deliver a vibrant learning environment

BA Journalism, Media and Cultural Studies

It is indisputable that the modern mass media is an important area of serious study. With this in mind, our undergraduate programme responds to an ever-increasing demand for media courses which help students to understand and comment on the various roles performed by the media in their own, and other, societies.

The Journalism, Media and Cultural Studies degree is challenging and academic. Its emphasis is on taking an essential part of modern life, and enabling you, in studying its many forms, to develop your ability to think coherently, discuss competing theories with confidence, and write cogently.

Although the undergraduate programme is not a training or vocational degree, there are opportunities to take modules which involve online work and writing for media.

Your Cardiff Experience

Each new student is integrated into the school via the 'First Year Experience', a dedicated series of events designed to encourage academic and social development which serves to provide a platform upon which years two and three are built.

To support the degree, students have access to Learning Central, Cardiff University's Virtual Learning Environment. Learning Central allows you to integrate with your degree 365 days of the year, on campus or from home to access announcements, module information and learning

materials such as handbooks, lecture handouts, slides, reading lists and web links, all within a secure environment.

Students also benefit from the annual careers week, where media companies, industry organisations, charities and invited public sector bodies provide advice, ideas and guidance to help students discover jobs and careers open to them after graduation.

We work very closely with the Careers and Employment Service to ensure that you have all the help and encouragement in your transition to the work place. Your success after the degree is of great importance to us.

Teaching and World-Leading Research

The School's reputation for international research was recognised in the UK government's 2008 Research Assessment Exercise. You will be taught in a research environment and benefit from interaction with researchers who are working at the frontiers of knowledge in their areas of expertise. This combination generates an exciting and vibrant environment in which to study.

Teaching Methods & Assessment

The School prides itself on a research-led teaching approach where the content of many modules is founded on the high quality and up-to-date research carried out both within the School and the wider international academic community.

Teaching is carried out through lectures and also in smaller classes where the emphasis is on

More online at:
www.cardiff.ac.uk/jomec

Detailed course profiles:
www.cardiff.ac.uk/courses

discussion. In Years Two and Three there is generally more emphasis on class work and individual projects. Students are expected to take a good deal of responsibility for their studies outside the hours spent in lectures and seminars. Assistance is given with this independent study. The degree programme is designed so that students will experience a range of assessment methods, including written examinations, essays, continuous assessment, portfolios, presentations and project-based assessment. The Student-Staff panels, maintain close feedback and contact between lecturers and students.

Year One

The first year of the degree programme forms a foundation on which the rest of the programme is built. The modules in Year One are designed to introduce you to the broad strands and themes of the degree, as well as some of its methods, and will help you in selecting from the wider range of module choices available in Years Two and Three.

Year One is also designed to introduce you to basic good practice in the art of undergraduate study, including research, production, presentation and critique of your work.

Examples of first year modules include History of Mass Communication and Culture; Media Scholarship; and Understanding Journalism Studies.

The core modules you study provide foundational, conceptual and theoretical frameworks for the study of media and culture, taught via lectures, workshops, and seminars.

Year Two

Year Two modules are designed to develop and refine areas introduced in Year One. Modules will be taught mainly using a lecture/seminar format, although the tasks developed in seminars will be more ambitious than in Year One. You will develop research protocols, both on your own and in

groups, and will begin to experiment with and design methodological procedures.

Examples of second year modules include War, Politics and Propaganda; Media Law; Popular Culture; and Reporting Science, the Environment and Health.

Year Three

You will build on your first two years and be able to pursue a wide range of more specialist and advanced areas of study. All modules, at this level, will involve research-led teaching, and you will often carry out research, writing and new media based projects on these more specific areas of study.

Year Three allows you to specialise in your areas of interest and involve assignments of greater complexity and challenge. Examples of modules include The Making and Shaping of News; Writing for the Media Today; Horror, Fantasy and the Media; and Spin-Un-Spun: Public Relations and the News Media.

There is also the opportunity to pursue a dissertation, worth 40 rather than the usual 20 module credits, working with one-to-one supervision, on a research topic agreed between you and your supervisor.

Joint Honours Degree Programmes

The School currently runs joint degree programmes with Sociology (Cardiff School of Social Sciences) and English Literature (Cardiff School of English, Communication and Philosophy). Students studying Joint Honours degrees divide their time equally between Cardiff School of Journalism, Media and Cultural Studies and their other chosen department. The modules followed by joint degree students vary according to the particular degree programme. Personal tutors, one in each School, are available to advise on module choices in Years Two and Three.



Paul Wilson
BA Graduate

"The best thing about the course is the extremely wide range of topics studied. The course really does cover all forms of media and develops many different critical methods. The Bute library is ridiculously well-stocked and the level of teaching within the School is at a high standard."

Cardiff is a great city to live in. It's a safe, vibrant, young place, with lots of things to keep everyone busy."

There are plenty of opportunities for sport and the green spaces and parks in and around the city centre are beautiful."

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

AAB: No specific subjects

WBQ:

We accept the Welsh Bacc in lieu of an A-level at grade B.

Int Bacc:

36 points.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

All degrees

GCSE. Grade B in English language/literature.

International students should have achieved an overall IELTS score of 7.5 or similar evidence of strong English language proficiency.

Applications Information

Typical intake: **130**

Typical number of applications: **550**

Admissions Tutors

Dr David Machin/Dr Andy Williams

Tel: (029) 2087 7419 / (029) 2087 0088

Email: jomec-ba@cardiff.ac.uk



The first year of the degree programme forms a foundation on which the rest of the course is built

Law

Degree Programmes/ UCAS Codes

Law LLB M100

Law and French LLB RM11

Law and German LLB RM21

Law and Criminology LLB M190

Law and Politics LLB ML12

Law and Sociology LLB ML13

Law and Welsh LLB MQ15

At a Glance:

Employability/Careers

Our graduates occupy key positions in the legal profession, commerce, industry and government, in the UK, the European Union, and beyond. To assist you in your career planning, the Law School has a dedicated Law Careers Advisor with first-hand experience of the legal profession, and we provide a comprehensive careers programme.

We are committed to extending extracurricular opportunities to our students, helping to enhance their CVs in a competitive graduate job market. We work in partnership with lawyers, charities and voluntary organisations to give students the opportunity to practise and extend their skills.

The Cardiff Law School Pro Bono Scheme enables you to work on real cases and experience law in action.

Research

The Law School prides itself on its vibrant research culture. The 2008 Research Assessment Exercise recognised the School as a leading legal research institution, with most activity classed as world-leading or internationally excellent. We were ranked 7th in the UK where there are over 100 law schools.

Our internationally recognised research is closely linked to the high quality teaching we provide.

Facilities

The School provides modern and well-equipped facilities, ensuring a first-class environment in which to study.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.law.cardiff.ac.uk

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Cardiff Law School is a thriving, high-quality institution. We are committed to achieving and maintaining our international reputation for excellence in both teaching and research. We provide a supportive and friendly environment for all our students and offer a culturally diverse setting in which to study.



Cardiff Law School offers outstanding on-site facilities

The School offers a wide range of law degree programmes all of which rank as qualifying degrees for legal practice in England and Wales. As well as the traditional LLB degree, we offer LLB degrees in Law and Criminology, Law and Politics, Law and Sociology and Law and Welsh, and four-year LLB degrees in Law and French or German. These multidisciplinary programmes involve close integration between Law and the partner discipline and draw on the strengths and specialisations of the University as a whole. What follows is an outline of the degree programmes offered by the Law School. Much greater detail can be found in the School brochure, available on request from law-ug@cardiff.ac.uk

LLB Degree in Law

This is a three-year Honours degree programme, comprising three parts, each of one year's duration. Year One comprises 120 credits of compulsory modules. Years Two and Three each comprise 120 credits of modules to be chosen from a list of optional subjects. The final Honours classification is based on the Year Two and Final Year examinations. A variety of methods of assessment are adopted in different modules, ranging from unseen written examination papers to coursework assessment. The course structure is as follows:

Year One

Modules in Contract, Legal Foundations, Public Law and Criminal Law.

Years Two and Three

In Years Two and Three students pursue modules amounting to 120 credits in each year, chosen



A typical lecture in the Law School building

from the list of optional subjects available for that year of study. This list is kept under review on an annual basis in light of factors such as staff resources and student demand. At present the list of optional subjects is:

Year Two

Law of Religion
Constitutional and Human Rights in Central Europe
Cymraeg Y Gyfraith (Legal Welsh)
Discrimination and Law
Evidence
French Law
German Law
Insurance Law
Labour Law
Land Law
Sociology of Law
Tort
Welsh Devolution

Year Three

Administrative Law
Company Law
Dissertation
Environmental Law
Family Law
Human Rights Law
Intellectual Property
Jurisprudence
Law of the European Union
Medicine, Ethics and Law
Public International Law
Sale of Goods and Agency
Trusts



Students work together in seminar groups

LLB Law and French; Law and German

Cardiff was one of the first UK universities to offer the opportunity of studying English Law not only in conjunction with a modern language, but also with the legal system of the nation concerned. Currently, the Law School offers such programmes of study with French and German. The combination of legal training and language study during the required four years is an excellent preparation for work in an international context, whether in industry, commerce, diplomacy or legal practice. Academically, the opportunity these programmes afford for comparison of differing legal systems and concepts serves to widen your intellectual horizons and deepen your appreciation of the basic legal institutions.

Year One

In Year One you study 120 credits: 40 relate to the language, institutions and culture of the relevant country, 80 are Contract, and Legal Foundations, Public Law and Criminal Law.

Year Two

Your study in Year Two includes an advanced course in the relevant language and a compulsory course introducing the legal system of Germany or France. The remaining modules can be chosen from the list of Law subjects available (see previous page).

Year Abroad

Your third year of study is spent in the Law Faculty of a French, German or Austrian university. Currently, Law and French students go to Amiens, Nantes, Poitiers, Rennes or Toulouse; Law and German students to Passau, the Martin-Luther University, Halle-Wittenberg, or Konstanz in

Germany or Innsbruck in Austria. In each case, you follow a programme of study in both the language and laws of the country concerned. While there, you will be required to start written projects for both Cardiff Law School and Cardiff School of European Languages, Translation and Politics, which you will complete in your final year.

Final Year

In your final year you study 120 credits: a proportion of these credits continue work in the relevant language, while the rest must be chosen from the options offered by either Cardiff Law School or Cardiff School of European Languages, Translation and Politics.

LLB Law and Welsh

The LLB degree in Law and Welsh was introduced in 2003. The programme enables students to combine study of Law and Welsh and to consider legal issues of particular relevance to Wales. The subjects available include all those required to gain exemption from the solicitors' and barristers' professional examinations. This programme is normally only appropriate for those who have taken first language A-level Welsh.

Year One

In Year One you follow a programme of study similar to our other Law and Languages programmes but replace the foreign language modules with 40 credits in Welsh language and culture-focused subjects.

Years Two and Three

There are a few compulsory subjects in both years. In the second year these are Legal Welsh,



Carys Murphy
Law

"Cardiff has a fantastic reputation for law and is respected among many practitioners. The lecturers are approachable, friendly and always willing to help. As the University is research-based, many of the lecturers have written books and articles on legal topics that you will be taught, so you have the best academics in the field teaching you. I have had a keen interest in law and the legal profession from a young age and after a number of work placements decided law was the right path for me. Cardiff has as much to do as a larger city but at half the price!"

Welsh Devolution and Cymraeg Cyfoes, and in the third a Law Dissertation (a piece of written work on a topic of your own choice). Students then choose their remaining modules from a wide range of options in both the Law School and the School of Welsh.

LLB Law and Politics; Law and Sociology; Law and Criminology

In each year of the degree programmes you study modules to the value of 120 credits. The division between Law modules and the modules offered by Cardiff School of Social Sciences (for Sociology and Criminology) or Cardiff School of European Languages, Translation and Politics may vary, but in every case you take at least 60 credits in Law each year and, if you wish to gain exemption from professional examinations, you will have the opportunity to study the required 240 credits in legal subjects during your three-year programme of study.

The optional Law modules in Years Two and Three are chosen from the list of subjects available in the year in question. The non-Law modules are chosen from those offered by Cardiff School of Social Sciences and Cardiff School of European Languages, Translation and Politics.

Further details can be obtained from these Schools.

Year One

In Year One you study 120 credits. 40 relate to Criminology, Politics or Sociology, and 80 are in Law: Contract, Legal Foundations, Public Law and Criminal Law.

Law continued



A typical small group tutorial

Years Two and Three

120 credits are taken in each year, at least 60 and up to 80 in Law, with the remaining modules in Criminology, Politics or Sociology. The Law modules are chosen from the list of subjects available in the year in question. The non-Law modules must be chosen from those in Criminology or Sociology offered by Cardiff School of Social Sciences or in Politics offered by Cardiff School of European Languages, Translation and Politics. Further details can be obtained from these Schools.

Changes in Content of Degree Programmes

In all degree programmes the list of available modules is kept under review. Cardiff Law School reserves the right both to add or delete subjects from the lists from time-to-time.

Exemption from Professional Examinations

All LLB degree programmes meet the requirements stipulated by the regulatory bodies of England and Wales, namely, the solicitors' and barristers' branches of the legal profession, the Solicitors Regulation Authority and the Bar Standards Board. This allows you to obtain a 'qualifying law degree' for legal practice in England and Wales.

Postgraduate Studies

Postgraduate study in Cardiff Law School can take one of three forms:

Postgraduate Taught Study:

We offer a broadly based LLM programme leading to the degree Master of Laws. Students can choose to pursue either non-specialised legal study or one of our specialised routes in Canon Law, European Legal Studies, Governance and Devolution, Human Rights Law, International Commercial Law, Legal Aspects of Medical Practice or Social Care Law, Law and Governance of the EU, Legal and Political Aspects of International Affairs.

Professional Legal Training:

Within the Law School the Centre for Professional Legal Studies offers the Legal Practice Course (part-time and full-time), for graduates wishing to become solicitors, and the Bar Professional Training Course, for graduates wishing to pursue a career at the Bar. Both courses are highly regarded and the Legal Practice Course has consistently received the highest possible rating by the Law Society while the BPTC is particularly noted for its Advocacy provision. Additionally from 2012 (subject to validation) CPLS will be offering the GDL, the conversion qualification enabling non Law graduates to become eligible to train as solicitors or barristers.

Postgraduate Research Study:

We offer opportunities for full and part-time study leading to MPhil/PhD degrees.



Zhou Chen Chong
Law

"Cardiff is a vibrant city that is full of youthful and energetic students! What really distinguishes the law programme is the excellent teaching staff. In addition to delivering clear and thought-provoking lectures, the lecturers are always very approachable and helpful. The course was a very important foundation of my career path, without which I wouldn't be able to do what I am doing now and what I hope to do in future."

Zhou Chen Chong, Graduate, Highest scoring student in the history of the Malaysian CLP legal qualifying examination, Malaysia.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

Law: AAA or AAB

Law and French: ABB (to include grade A in French)

Law and German: ABB (to include grade B in German)

Law and Welsh: ABB (to include grade B in Welsh)

Law and Criminology: AAB or AAB

Law and Politics: AAB or ABB

Law and Sociology: AAB or ABB

There are no specific subjects required.

However, A-levels must include a minimum of two traditional academic subjects. Please check School website for more information. General Studies is not accepted.

WBQ:

Please check our website for information.

Int Bacc:

32-36 points.

Please see website for more details.

Other: Applications from those offering alternative qualifications are welcome. Please contact the Admissions Tutors for more information.

All degrees

GCSE: English language at grade C.

Applications Information

Typical UK/EU intake: 220

Typical number of applications: 900

Admissions Tutors

LLB Law

Tel: (029) 2087 5406

Email: law-UG@cardiff.ac.uk

LLB Law and French, Law and German, Law and Welsh, LLB Law and Criminology, LLB Law and Politics, LLB Law and Sociology

Tel: (029) 2087 4350

Email: intlaw-UG@cardiff.ac.uk

International Admissions Enquiries

Email: law-international@cardiff.ac.uk

Mathematics

More online at:
www.cardiff.ac.uk/maths

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/UCAS Codes

Single Honours

Mathematics MMath

(4 years) G101

Mathematics BSc

(3 years) G100

Mathematics and its Applications BSc

(3 years) G120

(4 years) G111

Mathematics, Operational Research and Statistics BSc

(3 years) G991

(4 years) G990

Joint Honours

Mathematics and Physics BSc

(3 years) FG31

Computing and Mathematics BSc

(3 years) GG14

(4 years) IG11

Joint Honours BA

Mathematics and a Humanities Subject

See page 124

At a Glance:

Employability/Careers

In 2010, 57% of the School's graduates were in employment within six months of graduation while a further 28% were engaged in further study with others taking time out to travel etc.

Employers included: universities, banks plus organisations such as the Office of National Statistics and the Meteorological Office.

Career destinations included: finance manager, lecturer, risk analyst and statistician.

Research

In the most recent UK Government Research Assessment Exercise 85% of the School's research was rated as being of international standard.

Facilities

The School is based in a modern building, the Mathematics Institute, close to the Students' Union and to two of the Halls of Residence, and

is a short walk from the city centre. Within Cardiff School of Mathematics you will find a library, a cyber café, and an excellent range of computing facilities as well as the usual lecture and tutorial rooms. All undergraduates have access to the computing network, and you will be encouraged to use the facilities for communication, coursework and project work.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/maths

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
 Email: enquiry@cardiff.ac.uk



The pursuit of Mathematics is one of the oldest of intellectual activities. It pervades all branches of science, and indeed has significant relevance to the Arts, Humanities and Social Sciences.

Cardiff School of Mathematics offers students a wide choice of degree programmes covering all aspects of mathematics, and it provides a sound academic training for a very broad range of careers.

Tuition is by means of lectures, examples lectures and tutorials, and a first year student can expect twelve lectures, three examples lectures and three tutorials each week. In later years the number of timetabled hours is about fifteen. Each student is assigned a personal tutor, and he or she is there to help with any problems that may arise. We try to foster a friendly atmosphere and the academic staff are approachable and helpful at all times.

Although there is some choice of modules in the first year of our degree programmes, most of the modules taken will be the same for all students. This allows students to change programmes, should they wish to do so, at the start of their second year.

There is a wide range of modules available in the second and final year, reflecting the breadth of interests of the staff of the School. The latter range from research into fluids and analysis to healthcare modelling and time series analysis.

The School's research in Pure Mathematics was graded at a high level in the latest national assessment of research excellence. Work in Applied Mathematics, Statistics and Operational Research has led to joint projects with staff in other areas of science and engineering, and we have close links with industry, commerce and outside research centres through contract work and consultancies.

Masters in Mathematics - MMath

The MMath degree programme is offered to satisfy a need for a more advanced level of mathematical training than is available in a three-year programme.

The modules offered in the first three years of the programme are common to the three-year degree programmes in mathematics, allowing the flexibility of transfer between courses. In the fourth year the course develops research training and enhanced mathematical skills, especially in Mathematical Analysis, Mathematical Physics and Fluid Dynamics. There is also a major piece of



The School has excellent computing facilities



Beth Thomas
Mathematics

"I chose to study Maths at Cardiff because the course offered a lot of choice of modules, and also gave the option of getting some work experience by doing a year in professional training. The staff are friendly and approachable, and are always willing to help when a problem arises."

Mathematics *continued*

project work in which you would be undertaking novel research. The course is an ideal preparation for students wishing to go on to research work in mathematics, work for a technological company or who simply want to gain a deeper understanding of mathematics.

Mathematics

The Mathematics degree programme is particularly flexible as it allows you to choose topics from the full range of subject areas in mathematics: pure mathematics, applied mathematics, statistics, operational research and computing. You take twelve modules each year. You can, if you wish, choose only mathematics modules in the first year or you may choose up to four modules from outside mathematics, taking, for example, some modules in Physics, Philosophy, Computer Science, or a language.

The second and final years of the Mathematics degree programme allow you to build on the interests developed in the first year by offering a wide choice from a range of specialised modules such as Coding Theory, Mathematical Programming, Data Mining, Wavelets and Data Compression, Fluid Dynamics, Medical Statistics, Financial Mathematics, and Queuing Theory.

Mathematics and its Applications

The Mathematics and its Applications degree programmes (available as a four-year 'sandwich' course as well as the standard three-year course) concentrate on the study of those aspects of mathematics having applications to the solutions to problems of general interest in the outside world. Core modules in Year One include Calculus, Algebra, Probability and Modelling. The remaining modules are chosen from Applied Mathematics, Statistics, Pure Mathematics and Computing. In later years of the programmes you will have a broad choice of modules, and you may, if you wish, concentrate on one or two areas of mathematics, or keep an interest in several. Final year optional modules include Experimental Design, Groups, Rings and Fields, Combinatorics and Discrete Optimisation.

Mathematics, Operational Research and Statistics

These degree programmes (available as a four-year 'sandwich' course as well as the standard three-year course) couple specialisation in Statistics and Operational Research with the study of the principles of Mathematics. The emphasis in the second and final years is on the applications of statistics and operational research, particularly in industry and commerce. The first year of the degree programme gives you the required background in mathematics, computing and

statistics, which prepares you for detailed courses in statistical subjects in subsequent years. Included in these degree programmes is a second year module in Accountancy.

Final year modules include Survey Sampling, Stochastic Models for Insurance, Mathematical Programming, and Financial Mathematics.

Joint Honours Degree Programmes

In addition to the above Single Honours degree programmes we offer several Joint Honours degree programmes which combine the study of Mathematics with another discipline. Within the Physical Sciences we offer Mathematics and Physics, and Mathematics and Computing, and in the area of Humanities and Social Studies, Joint Honours degrees combining Mathematics with either French, German, Music, Philosophy, Religious Studies, or Welsh. Please see page 124 for further details.

Professional and Practical Training

Students on two of our degree programmes, Mathematics and its Applications and Mathematics, Operational Research and Statistics have the opportunity of spending their third year away from University in professional training by enrolling on the four-year versions of these degree programmes. This is arranged by the School's training officer, and your individual interests are taken into account, as well as your preferences for working in a particular establishment or locality.

Every effort is made to ensure that you gain valuable practical experience appropriate to your career aspirations, and you have an opportunity to earn a salary during that year. Your work is directly supervised by a member of the organisation providing the training, but close contact is maintained with your personal tutor in Cardiff, who will visit you at least twice during the year to discuss progress with you and your supervisor. At present students are placed in organisations such as Rolls-Royce, Ministry of Defence, GlaxoSmithKline, National Assembly for Wales, Pfizer, and Air Traffic Control. You should note that placements are subject to availability.

Project Work

A project may replace one or two modules in the final year of any of our Single Honours degree programmes. Supervised project work provides a valuable opportunity for you to apply the knowledge and skills acquired in your formal courses in investigation of a problem in mathematics, statistics or computing.



Tuition is by means of lectures, example lectures and tutorials

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

MMath: AAA including grade A in Maths or Pure Maths
or
A*AB including grade A* in Maths or Pure Maths
BSc: AAB including grade A in Maths or Pure Maths

WBQ:

Pass Advanced Diploma and AA including grade A in Mathematics.

Int Bacc:

34 (BSc) or 36 (MMath) points including at least 6 in Maths at Higher Level.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

All degrees

AS-level: Except for Mathematics, two AS subjects may be considered in lieu of a third A-level.

GCSE: English at grade C.

Applications Information

Typical intake: **130**

Typical number of applications: **600**

Admissions Tutors

Dr Jonathan Thompson

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Email: ThompsonJM1@cardiff.ac.uk

Mrs Vicky Reynish

Tel: (029) 2087 6694

Email: ReynishV@cardiff.ac.uk

Medicine

More online at:
www.cardiff.ac.uk/medic

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/ UCAS Codes

Medicine MBChB

(5 years) A100

(6 years) A104

Medical Pharmacology BSc

B210 (Science route)

B213 (Medical route)

At a Glance:

Employability/Careers

In 2010, 89% of the School's graduates had secured employment within six months of graduation while a further 10% were engaged in further study.

Employers included: various NHS Trusts, HM Forces and the Public Health Service.

Career destinations included: General Practitioner, Registrar, Genetic Counsellor, Environmental Health Officer, Dermatologist plus careers in all the other areas of study.

Research

The School is a major international research centre and research work is focussed in five interdisciplinary themes, each of which spans the spectrum from basic science to clinical practice in either hospital or community settings. In the most recent UK Government Research Assessment Exercise research work in six areas was assessed. 80% or above was assessed to be of international standard whilst in four areas 95% was judged to be of international standard.

Facilities

The School is based in the Cochrane Building – a new £18million development at the University's Heath Park Campus. This striking new building includes a library, state-of-the-art clinical skills and simulation laboratories, seminar rooms and student support services.

League Tables

The QS World University Rankings for 2011/12 rated Cardiff among the top 10 medical schools in the UK and the top 100 world-wide.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/medic

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
 Email: enquiry@cardiff.ac.uk



Cardiff University School of Medicine is one of the largest and most prestigious medical schools, rated among the top 10 in the UK and the top 100 world-wide.

During a period of radical reform in the NHS, we are investing heavily in curriculum development to ensure our courses remain relevant and continue to produce great doctors who understand people and the environment in which we all live and work. Our new medical curriculum, which launches in September 2013, is based on world-class learning and teaching and puts patients and clinical experience at the heart of student learning.

Degree Programmes

The School offers three medical programmes: a 5 year undergraduate programme (A100), a 6 year foundation programme (A104) and a 4 year graduate entry scheme (A101 – subject to validation). Although our programmes have different entry points, they share a common core curriculum, which offers:

- An integrated approach teaching cutting edge science in the context of clinical practice;
- Patient and clinical experience as the central focus of student learning;
- Early and extensive clinical placements in a variety of healthcare settings;
- World class teaching and learning with a structured programme of small group work, patient consultations, lectures, seminars, self-directed and e-learning;
- Teaching from internationally renowned researchers and clinicians;
- Excellent teaching facilities with a major recent investment in a state-of-the-art teaching centre;
- Students access to modern clinical skills, life sciences and learning resources;
- An innovative programme of professionalism providing a unique perspective on the roles and duties of doctors;
- A pioneering final year developed jointly with the Wales Postgraduate Deanery to provide a smooth transfer into practising medicine in the NHS;
- Anatomy teaching using a variety of learning methods including dissection, prosections, clinical skills, digital imaging and post mortem pathology.

Five Year Integrated Programme (A100)

This is the conventional 5 year programme leading to the MBChB degree and is available to students who have appropriate science at A-levels (or equivalent).

Four Year Graduate Entry Scheme (A101)

A limited number of places are available on this programme to students who have successfully completed one of the recognised 3 year feeder



Extensive clinical contact throughout

courses. Students applying to the graduate entry scheme enter in to Year 2 of the integrated programme.

Six Year Foundation Programme (A104)

This programme is available to students who have demonstrated high academic potential but who do not have the required science background. During the foundation year, all students will study an 'Introduction to Medical Sciences' and a variety of other science based modules selected according to the student's prior experience. Modules may include the biological and chemical sciences, mathematics and a range of optional modules such as psychology or languages. Following satisfactory completion of the Foundation Year, students progress into Year 1 of the integrated programme.

Teaching and Assessment

The curriculum uses a blend of learning methods and has been developed to provide opportunities for students to interact, participate, ask questions, reflect and take shared responsibility for their own learning. Initially, there is an emphasis on small-group learning to present materials from a variety of disciplines and integrate science, social science and clinical practice. This learning is reinforced by a coordinated programme of lectures, seminars, clinical placements, access to relevant life sciences and clinical skills resources and self-directed study.

Over the duration of the course students are expected to take more control of their own learning. This is particularly evident during the extended clinical placements, where students are expected to use their own initiative to make the most of the opportunities and experiences in order to achieve the required learning outcomes. By the time of graduation students should be responsible for their own learning and continuing professional development as an independent practitioner.

Medicine *continued*

We believe that great doctors understand patients and the world in which we all live and work. Therefore patients are at the heart of the curriculum with students spending time in clinical settings throughout their studies. Clinical placement teaching takes place at hospitals, community medical centres and over 150 general practices across the whole of Wales. This 'hub and spoke' model brings a unique diversity to the clinical learning experience, providing both a context for learning as well as helping students to develop the skills and behaviour expected of a doctor. As the course progresses exposure to patients increases, as does the complexity of clinical cases and the responsibilities you will have for patient care.

Skills and professional behaviours are developed throughout the curriculum so that graduates are prepared for the Foundation Programme and postgraduate medical training. Many clinical skills are learned initially in state-of-the-art clinical skills facilities, using models and simulators, before being put into practice on clinical placements.

Year 1 and 2: Core Science and Clinical Practice

The first phase of the course introduces students to the core knowledge, skills and behaviour, which underpin medicine to ensure that all students are ready to embark on the rigorous and demanding programme of study to follow. As well as learning the basics of anatomy, biochemistry, physiology, cell and molecular biology, immunology, microbiology and pathology, students will also have regular early clinical experience days and develop the fundamental communication, clinical skills and professionalism required of a doctor.

The second phase is based on a series of clinical scenarios studied in small groups, that illustrate how the basic sciences inform the study of common clinical conditions e.g. heart disease, diabetes, hypertension, obesity etc. and allow students to learn in context as well as develop a diagnostic appraisal approach. This is supported by a coordinated series of plenaries and seminars, a 'Doctoring' programme, access to relevant life science and clinical skills resources, all of which are closely linked to the clinical cases being considered. To reinforce the cases and to set them in the context of the NHS and patient communities, students will spend one day per week seeing patients with relevant conditions in local hospitals, general practices and other community based services around South East Wales. Initially the emphasis of the cases will be on basic science applied to medicine and the basics of clinical consulting, with students learning about normal structure and function. As the cases progress, students consolidate and build on prior knowledge and skills with the application to more complex clinical presentations which focus on abnormal structure and function.

Years 3 and 4: Learning to Care

In years 3 and 4, students spend the majority of their time on placements in a variety of clinical settings across Wales. Patients are the focus of learning and students will witness patient journeys through the health care system providing insight into the patients' experiences of illness and health care. In doing so, students learn the fundamentals of excellent clinical care, become proficient in performing clinical assessment, begin to formulate differential diagnosis and understand the principles of investigation, management and treatment of common diseases. By mirroring clinical practice, placements also provide opportunities for students to spend time in a variety of specialist clinical teams whilst offering flexibility to tailor their individual learning.

During year 3 students follow patients with serious and common chronic diseases providing early exposure to life as a front line foundation doctor. In year 4 the emphasis is on more specialist and complex cases and on the role of the family and the health of the population, with students spending dedicated time with paediatricians, obstetricians, psychiatrists, physicians and general practitioners.

Each placement is linked by a short introduction and consolidation period of group teaching where the fundamentals of good medical practice will be emphasised and specific instruction provided on the relevant pathology, therapeutics, social sciences and ethics. Throughout both years the importance of the doctor as a professional will be continually reinforced, with students maintaining a comprehensive clinical portfolio facilitating reflection on attitude, conduct and behaviour and aiding professional development.

In addition to the patient pathways, there is also a 'Science in Practice' block, which revisits, reinforces and enhances the core science learnt in the early years of the programme and relate it to current medical practice. This block has an element of choice and provides an opportunity to work with leading experts at Cardiff University and at our partner health boards.

Year 5: Consolidated Preparation for Practice

The emphasis of the final year is on consolidating the skills and knowledge required to perform at the highest level within the NHS, particularly the assessment and management of acute clinical presentations. To provide the smoothest transition, this year has been designed to build students' confidence and ability to work as part of a team and attain the necessary clinical competencies for work and entry into foundation training.

There are two 8-week 'Junior Placements', one hospital based and the other community based, designed to encourage students to deal with increasing complexity of patient presentations and management and to build on their prior

experiences and knowledge. There will also be an 8-10 week 'elective' period which is a unique opportunity to explore a subject in depth and experience medicine in different cultural situations, anywhere in the world. Finally, there is an 8-week 'Student Assistantship' with time spent embedded within a hospital team, usually the same clinical environment where the student will be placed for foundation studies, easing the transition from medical student to doctor.

In order to get the most out of the clinical experiences there are four short blocks of core learning during the year themed "Preparing for Practice", "Changing Practice", "Science in Practice" and "Practise for Practice". These modules focus on the development of essential skills required to become a functioning member of the NHS, including the structure and change in the NHS, patient safety through service evaluation, and the relevance of science to the delivery of evidence based practice. All together the final year ensures that students are in the best possible position to start work in the NHS and progress in their postgraduate studies.

Student Selected Components

All students have opportunities throughout the course to study areas of particular interest to them. Around 25% of the curriculum is flexible and students can undertake a variety of short clinical studies and laboratory based projects or an extended longitudinal project across the duration of the course. In the past, some of the innovative projects and modules students have undertaken include: 'In depth investigation of Alzheimer's disease susceptibility loci' based in Cardiff University's MRC Centre for Neuropsychiatric Genetics and Genomics; 'Mountain Medicine' involving work with the RAF Search & Rescue Helicopter teams in North Wales; and 'The Challenges of Practicing Medicine in a Developing Country', an 8 week placement in Mauritius.

Intercalated Degrees

An intercalated year provides the opportunity for students to research a subject in depth and develop the intellectual and practical tools to prepare them to become a net producer rather than consumer of evidence. Approximately 100 students per year participate in the Intercalated Degree Schemes between years 3 and 4 or years 4 and 5. A wide range of schemes are available including pharmacology, genetics, public health, and psychological medicine. The School also has strong partnership arrangements allowing students to complete an intercalated degree at other Universities in the UK. An MRes is also available to providing student with the opportunity for in depth research immersion.



Developing clinical skills using state-of-the-art facilities



Richard Kiff
Third Year Medical Student

"Cardiff is a fantastic place to study Medicine for so many reasons. Firstly the course itself - the new curriculum builds on many of the existing strengths such as early, extensive and varied clinical experience which make the course hands-on from day one. Then there are the teachers; world renowned academics performing cutting edge research, and practicing clinicians, who are experts in their fields. The social life - Cardiff has some of the best nights out, with a huge array of bars and clubs, as well as one of the UK's most active students' unions that provides a fantastic nightlife whilst also supporting a huge number of different societies including a range of 'Medic' societies and sports teams. The campuses - the course is based at two brilliant campuses; the Cathays campus, in the heart of Cardiff city centre, and the University Hospital of Wales, which contains the Cochrane building, the brand new home of the Medical School providing world-class teaching and learning facilities. Finally the location, Cardiff has all the benefits of a capital city but remains charming, friendly, inexpensive and never more than 20 minutes from a beach or mountain. All these aspects make Cardiff Medical School an excellent choice to study Medicine."

Admissions Information

For detailed entry requirements and latest typical offers please see: www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A100 5 year Programme

AS/A-Level: AAA grades at A-level, plus C grade in a fourth AS-level subject. A-levels must include two science subjects from Biology, Chemistry, Physics and Mathematics or Statistics, one of which must be Biology or Chemistry. C grade at AS-level in an additional subject not offered at A-level. Biology or Chemistry must be offered at AS-level with a grade A if not offered at A-level.

WBQ: Pass Advanced Diploma, grade A in two A-levels to include Chemistry or Biology and one further Science (from Chemistry, Biology, Physics, and either Mathematics or Statistics), and grade C at AS-level in an additional subject not offered at A-level. Biology or Chemistry must be offered at AS-level with a grade A if not offered at A-level.

Int Bacc: 36 points (excluding Theory of Knowledge and Extended Essay). Two sciences (out of Chemistry, Biology, Physics, and either Mathematics or Statistics) must be offered at Higher Level, one of which is Chemistry or Biology. A minimum of 18 points must be achieved in the Higher Level subjects including a 6 in Chemistry or Biology. Chemistry or Biology must be offered at Subsidiary Level if not at Higher Level. Physics must be offered at GCSE level if not at Higher or Subsidiary Level.

Graduate Entry: Graduate entry will be considered for candidates who are predicted (or have achieved) a 1st or 2(i) Hons Degree and in addition have achieved a minimum of BBB at A-level and B in English/Welsh Language and B in Mathematics at GCSEs.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experiences.

Additional Requirements

UK-CAT: All applicants are required to take the UK-CAT aptitude test (www.ukcat.ac.uk) in the year of making an application.

GCSE: Typically students will be required to have a minimum of 5 A*. English Language or Welsh First Language at a minimum of grade B. Mathematics at a minimum of grade B and AA in Science and Additional Science, or AAB in three separate sciences (Physics, Chemistry and Biology). Please note, these represent the minimum and not the standard requirements.

Non-academic requirements: Students should demonstrate evidence of an understanding of medical training and practice; a caring attitude towards people; the ability to communicate effectively; a willingness to accept responsibility; evidence of team working and broad interests. All applicants selected for interview must satisfy the requirements with regard to health and a criminal records check.

A101 Graduate Entry Programme: Entry on this programme is restricted to students who have successfully completed one of the University's recognised feeder programmes. Up to ten students will be considered, dependent on academic performance (a 2(i) or better) and subsequent non-academic assessment for entry from each of Cardiff University's BSc Medical Pharmacology (UCAS Code B213) and the University of Glamorgan's BSc Medical Sciences (UCAS Code B901). Similar links with degree programmes offered by Cardiff University BSc Biomedical Science and by Bangor University are under development.

A104 Foundation Year Programme: Entry is restricted to applicants who cannot meet the requirements for entry to the A100 programme by virtue of having inappropriate subject combinations or depth of learning. Those with more than one science A-level are not usually considered. A/AS-level, GCSE, WBQ and IB entry standards are similar to those for the five-year programme.

Interviewing Policy: No offers are made without interview. Applicants who satisfy the initial selection criteria will be interviewed. Applicants who do not quite meet some of the academic criteria may be invited to interview if their personal statement is of sufficiently high quality or there are exceptional extenuating circumstances.

Applications Information

Typical intake: **280**

Typical number of applications: **2,200**

Admissions Office

Tel: (029) 2068 8113

Email: medadmissions@cardiff.ac.uk



Cardiff pharmacology graduates acquire a high level of laboratory skills

Medical Pharmacology BSc

B210 (Science route)

B213 (Medical route)

Medical Pharmacology is the study of how drugs and medicines work at the cellular and molecular level to produce their useful (and sometimes harmful) effects in Man. As such, Medical Pharmacology is at the heart of modern medicine. The Department of Pharmacology, Therapeutics and Toxicology is based in Cardiff School of Medicine.

This BSc (Hons) degree course is a modular three year full-time programme offering a high quality and in-depth exploration of modern Medical Pharmacology and provides specialised scientific training in internationally recognised research laboratories. It aims to encourage and develop your natural curiosity, your ability to communicate, your organisational and problem-solving skills and to prepare you to work independently as well as in team situations. Specifically the programme produces graduates with a detailed and comprehensive understanding of the biological effects and mechanisms of action of a wide range of bioactive substances, in particular those used for the treatment of human and animal diseases.

Importantly, students opt to take one of two routes, both designed to produce graduate Medical Pharmacologists. A maximum of 12 students may follow the 'Medical Route' in Year 2 (Route Two – see below). Successful Route Two students may also be eligible to enter Year Two of the Cardiff University MBChB (Medicine) course, directly after finishing their Medical Pharmacology degree.

Year 1

This is taught in conjunction with the Biosciences degree programmes and provides opportunities to study a wide range of subjects, including anatomy, biochemistry, physiology, pharmacology and chemistry. The modular syllabus is taught through lectures, tutorials, presentations, practical work and demonstrations. Specifically with regard to pharmacology, you will be introduced to the scientific principles which define drug bioavailability and activity within the body including pharmacokinetics, pharmacodynamics, receptor theory, molecular and biochemical pharmacology, and toxicology.

Year 2

The second year modules provide a broad coverage of drugs in the domains of neurotransmission, endocrine and paracrine cell signalling, the central nervous system, cardiovascular pharmacology and chemotherapy. A research techniques and an exclusively practical module equip you with a sound basis for quantitative and qualitative functional studies, and give 'hands-on' training in advanced laboratory techniques. Supporting modules from biochemistry and physiology provide important interdisciplinary bonding. Route Two students must take the Health in Society and Human Anatomy modules.

Year 3

In the final year, your programme of study will include lectures (from University staff and visiting scientists), seminars, tutorials, practical laboratory work and demonstrations. Modules develop several selected areas such as vascular biology and immunology in depth, and provide more practical experience in specialised techniques. One module is designed to develop your skills of critical analysis in reading scientific papers and to promote the ability to present data accurately and unambiguously. You will also undertake a three-module project, accumulated results then being presented as a written report. Importantly, considerable effort is made to provide all students with a laboratory-based experimental project.

Methods of Assessment

Student attainment is formally assessed on completion of each module and, where appropriate, by a continuous assessment element such as practical reports, essays and presentations.

Career Opportunities

The graduate pharmacologist is sought by the pharmaceutical industry for posts in research and product development; by the scientific Civil Service; and by academic institutions for research and training. On successful completion of the Medical Pharmacology BSc up to 10 students who have followed "Route Two" may enter the second year of the Cardiff University MBChB (Medicine) course and go on to train as medical doctors.

Admissions Information

For detailed entry requirements and latest typical offers please see:

www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

AAB-ABB to include Chemistry and at least one other science (preferably Biology) or mathematical subject.

WBQ:

Pass Advanced Diploma, grade A in A-level Chemistry, grade B in a second A-level science subject (from Biology, Physics, Mathematics or Statistics).

Int Bacc:

34 points to include Chemistry at grade 6 and either another science or Mathematics at Higher Level.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

Other Requirements

GCSE: English or Welsh language (as applicable) and Mathematics to at least grade B if not offered at A-level.

AS: Two subjects at AS-level may be considered in lieu of a third A-level.

Subsequent entry to MBChB Medicine:

To be considered for entry into Medicine, Route Two students must maintain a satisfactory academic performance (aggregate score of 60% or above) in Years 1, 2 and 3. While in-course, they must also meet the criteria for admission on to the Cardiff University MBChB course with regard to health, a criminal records check, the UKCAT, attendance at an interview, a personal statement and provide a satisfactory reference from their Medical Pharmacology Personal Tutor

Applications Information

Typical intake: **15**

Typical number of applications: **150**

Admissions Tutor

Dr Derek Lang

Tel: 029 2074 2058

Email: langd@cardiff.ac.uk

Music

More online at:
www.cardiff.ac.uk/music

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/ UCAS Codes

Single Honours

Music BMus
W302

Music BA
W300 BA/Mu

Physics and Music BSc
FW33

Joint Honours BA

Music and another Humanities subject
see page 124

At a Glance:

Employability/Careers

In 2010, 55% of the School's graduates were in employment within six months of graduation while a further 35% were engaged in further study.

Employers included: BBC, Arts Council, Universities, Oxford University Press, National Trust, the Royal Philharmonic Orchestra along with a range of other industrial and commercial and charitable organisations.

Career destinations included: lecturer, musician, writer, music librarian, radio producer, music journalist, civil servant, audio engineer, higher education manager, arts manager.

Research

In the most recent UK Government Research Assessment Exercise 90% of the School's research was rated as being of international standard. 70% was rated as either world leading or internationally excellent.

Facilities

The School of Music is housed in a purpose-built building. Facilities include concert hall, lecture theatres and seminar rooms, computing resource centre, more than 20 practice rooms, three ensemble rooms and four electro-acoustic studios. The main recording studio is equipped to industry standard. The Library collection includes more than 9,000 books and 8,000 recordings.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/music

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
 Email: enquiry@cardiff.ac.uk



The School of Music offers one of the largest and most diverse music programmes in the UK, with an emphasis on flexibility and student choice. At Cardiff, you will become engaged in a dynamic musical community, be taught by leading academic researchers, and have one-to-one practical tuition with professional performers.

Home to the arts, the city of Cardiff is the ideal location for the study of music. It is one of only three UK cities with both a professional opera company (the Welsh National Opera) and a professional orchestra (the BBC National Orchestra of Wales), and the School enjoys a fruitful relationship with both. The city also has two world-class venues, the Millennium Centre and St David's Hall.

The School's own musical life is well integrated into that of the city. Our in-house Concert Hall, which seats 250, hosts a series of professional recitals, as well as performances by our own student orchestras and choirs.

Our aim is to achieve a healthy mixture of academic and practical studies. Our programmes are flexible and challenging, allowing you to specialise and develop your own musical interests whilst acquiring a solid, broad-based education in aesthetics, analysis, composition, ethnomusicology, music history and performance. All programmes include a major element of independent supervised project work, allowing students to undertake their own research with the support and guidance of major authorities in the discipline.

The School's bespoke facilities include an extensive Music Library, which is well-supplied with books, scores, recordings, and an ever-increasing number of specialist archive collections. These resources may be supplemented by the extensive holdings of Cardiff's Central Library and the Royal Welsh College of Music and Drama. The School also owns a number of orchestral instruments and a collection of reproduction Baroque and early classical instruments plus a consort of viols, all of which are available for students' use.

Admissions Procedure

Applicants for the single honours music programmes are asked to attend to sit a written paper and have a short audition/interview. This will take place between November and March.

Note

For additional information on degrees in Humanities and Social Studies subjects, please see page 122.

Degree Programmes

The programmes of study offered by the School allow you to choose just how much you would like to concentrate on music as part of your university studies. The BMus degree programme is the most



The School's excellent facilities include four digital-acoustic studios

specialised. Students are required to take a minimum of 360 credits in music modules (normally 120 credits per year). BA students taking Single Honours must take a minimum of 280 credits in music modules, of which at least 100 must be at Level 3. They have a freer choice of modules, but cannot take the third year, 30-credit Recital or Composition project modules. BA Joint Honours students are required to take a minimum of 160 credits in music modules, but are recommended to opt for 200 music credits, taking 80 at Level 1. All the School's modules are available to them, except for the third year 30-credit Recital and Composition project modules. The permitted subject combinations are detailed on page 124. An Honours degree programme is also available in Physics and Music, leading to the award of the BSc degree.

Modules in Music

In the first year, the School offers core instruction in analysis, harmony and counterpoint, history of music, ethnomusicology, composition and practical musicianship. As a BMus student you take the majority of these modules. As a BA or BSc student you make a free choice from them, although the BA (Hons) programme involves some core modules.

In the second and third years all students select from groups of analytical, stylistic, ethnomusicological and historical modules,

Music *continued*

together with practical musicianship. BMus students may take up to two of the following third year project modules: Recital, Composition, Analysis, Ethnomusicology and Dissertation. BA students are offered one of the following project modules: Dissertation, Analysis and Ethnomusicology. BSc students make a free choice from the range of modules excluding the projects.

Study Abroad

The School has links with many university music departments in Europe through the EU's ERASMUS exchange programme. A period of study abroad at one of these institutions is open to students on any BMus or BA degree programme and is supported by an ERASMUS grant. The maximum study period is one academic year and this would contribute towards your UK degree.

Methods of Teaching and Assessment

At Cardiff you study music by a combination of individual tuition, lectures, workshops and seminars. There is particular emphasis on group work in the first year and individual teaching in the second and third year. Students taking the practical modules receive a weekly private lesson of 30 minutes on their main instrument or voice. This increases to one hour for students taking the third year Recital module. Assessment consists of various combinations of coursework, presentations, projects, recitals, practical tests and written examinations.



Catherine Al-Ghabra
3rd Year
BMus Student

"The wide selection of modules, from Baroque to Pop played a huge part in my choosing to study at Cardiff. I have loved the history modules, Schenkerian Analysis and my third-year ethnomusicology project on 'African Choirs' has introduced me to a wide selection of non-western Music. As a singer, I have thrived on the performance opportunities the School presents, many of which are extra curricular. I am involved in the Choral Society and Symphony Orchestra as well as the Chamber Choir where we have recently performed at the WMC. I am also a member of the BBC National Chorus of Wales."

Scholarships

The School is endowed with several scholarships and prizes available to both undergraduate and postgraduate students. Many awards are presented to outstanding students either during or at the end of their period of study, but the following are available as Entrance Scholarships:

Morfydd Owen Scholarship for Wind Players

One £800 entrance scholarship, tenable for one year, is available to a wind player of promising standard.

Morfydd Owen Scholarships for String Players

Three annual £800 scholarships are awarded to string players reading for a degree in Music.

David Lloyd Vocal Scholarship

One £500 entrance scholarship, tenable for one year, is available to a singer of promising standard.

Choral Scholarships

Llandaff Cathedral offers Choral Scholarships (male alto, tenor and bass). For further details contact the Organist and Choir Master:

1 St Mary's, The Cathedral Green,
Llandaff, Cardiff CF5 2EB,
Tel: (029) 2057 5218.

The Metropolitan Cathedral of St David offers Choral Scholarships. For further details contact:

Dominic Neville, St John's College,
College Green, Newport Road, St Mellons,
Cardiff CF3 9YX.

Email: DominicNeville@cantab.net
Tel: (029) 2077 8936

Organ Scholarship

The Metropolitan Cathedral of St David offers an Organ Scholarship in association with the School of Music. For further details please contact Dominic Neville at the address above.



Students performing at St David's Hall

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

BMus and BA Honours: AAB-BBB (with an A or a B in Music).

BA (Joint Honours): AAB-BBB (with an A or a B in Music).

BSc: ABB including Music, Physics and a Mathematical subject.

Consideration will be given to applicants who are not taking A-level Music but have Grade 8 Theory and Grade 8 Practical and are studying appropriate Humanities subjects at A-level.

WBQ:

Core pass may be substituted for one A-level. Typical offers would be AA plus Welsh Bacc pass, or AB plus Welsh Bacc pass. This applies to all courses **EXCEPT** the BSc which requires three compulsory subjects at A-level: Music, Physics and Maths.

Int Bacc:

32 points, 6 at Higher level Music.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

Specific Requirements

All candidates are expected to have gained or shown evidence of working towards Grade 8 in one instrument, or voice, at the time of application.

GCSE: English and Maths.

Applications Information

Typical intake: **70**

Typical number of applications: **450**

Admissions Tutors

Dr Clair Rowden

Tel: (029) 2087 0462

Dr Robert Fokkens (Joint Honours)

Tel: (029) 2087 4378

Admissions Secretary

Tel: (029) 2087 4392

Email: musicschool@cardiff.ac.uk

Nursing and Midwifery Studies

Degree Programmes/ UCAS Codes

Nursing BN

B740 (Adult Nursing) (September intake)
B741 (Adult Nursing) (March intake)
B730 (Child Nursing) (September intake)
B731 (Child Nursing) (March intake)
B760 (Mental Health Nursing) (September intake)
B761 (Mental Health Nursing) (March intake)

Midwifery BMid

B720 (Midwifery)

At a Glance:

Employability/Careers

In 2010, 95% of the School's graduates were in employment within six months of graduation while others were in engaged in further study or taking time out to travel.

Employers included: various Health boards and NHS Trusts, international health services and higher education institutions.

Career destinations included: midwife, nurse, advanced nurse practitioner, health visitor, research nurse, ward manager, and lecturer.

Research

In the most recent UK Government Research Assessment Exercise 80% of the School's research was rated as being of international standard.

Facilities

The School offers outstanding facilities. The majority of programmes are based at EastGate House near the city centre of Cardiff. Students also utilise the Cochrane Building – a new £18million development where facilities include a specialist library and clinical simulation laboratories. Students also benefit from a purpose-built clinical skills suite located at our Heath Park Campus, which enables hands-on simulation and scenario based teaching.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/nursing

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The School is dynamic, innovative and forward looking with recognised excellence in learning, teaching and research. Our highly-rated pre-registration degree programmes will provide you with the theoretical and practical knowledge and experience required for entry to a rewarding career as a Registered Nurse or Midwife.

The School pursues the highest standards of learning and teaching in nursing and midwifery through research, education and clinical practice. Our undergraduate degree programmes are designed to prepare students to meet the ever-changing healthcare needs of our population with professionalism and compassion.

Students spend fifty per cent of their time in clinical placements, learning from experienced health professionals with expertise in the delivery of care to patients and families. During the remaining fifty per cent of their programmes, students benefit from being taught by highly qualified subject specialists within a health-based university campus, interacting with researchers and clinicians who work at the frontiers of nursing and midwifery research and practice.

The School employs a range of innovative learning and teaching methods, designed to enable students to develop into independent learners with the necessary analytical, problem-solving and self-management skills to act as effective nurses and midwives. With access to outstanding library, IT and clinical simulation facilities, opportunities to learn alongside future colleagues from other healthcare professions and close proximity to major regional and national centres of clinical excellence, we offer our students an exceptional educational experience and prepare them for a range of fulfilling careers in healthcare.

Bachelor of Nursing (Hons)

The Bachelor of Nursing programme spans three years of full-time study over a 40-week academic year. Students may pursue registration in one of three fields of Nursing, developing the specialist skills, knowledge and competence required to practice either as an Adult Nurse, Children's Nurse or Mental Health Nurse. Applicants must choose which field of nursing they wish to study prior to submitting an application.

The programme has a modular structure and consists of 120 credits per year. All modules are compulsory and integrate theoretical and practical learning. Students must pass all modules in order to progress through the programme, achieve the degree of Bachelor of Nursing and be eligible to register on the appropriate part of Nursing and Midwifery Council's nursing register.

Over the course of the programme, students develop and enhance their knowledge and understanding of nursing and of their chosen field of practice in six core areas: professional practice; public health; fundamental care; complex care;



Student nurse practising clinical skills

leadership and management; and evidence-based practice. Individual modules address key themes such as communication and team-working, ethical and legal issues, safe practice, the assessment of health and social care needs, care management and the use of evidence. Particular emphasis is placed on partnership, working in multidisciplinary teams and caring for patients, clients and service users with dignity and respect. All modules have been designed in close collaboration with clinical colleagues, patients and carers.

Opportunities for shared learning with other healthcare students are provided throughout the course. Students also have extensive opportunities throughout the programme to prepare for clinical practice in the School's new and innovative clinical simulation suites.

All students have an individualised support network, both from within the School and from mentors in clinical practice. Within this, they are encouraged to take increasing responsibility for their own learning as they progress through the programme.

Adult Nursing

Adult Nursing is a growing, dynamic, diverse field of nursing that provides many opportunities for the qualified Registered Nurse in an ever-changing health environment. The Adult Nurse is well placed to influence and deliver innovative models of care to meet the health needs of those in their care. Adult Nurses work in both hospitals and the community, delivering care to adults of all ages, who are living with a wide range of chronic and acute health conditions. Over the course of the

Nursing and Midwifery Studies *continued*

three-year Adult Nursing pathway, you will develop the knowledge, skills and attitudes required to meet these challenges with professionalism, confidence and compassion. You will develop the essential skills of planning, implementing and evaluating nursing care, using an evidence-based approach to practice through both theoretical and placement learning opportunities. Skills will be practised in a wide-range of hospital and community-based settings and in both NHS and independent sector organisations. These experiences will cover the whole spectrum of adult health needs, from health promotion and education to caring for adults with acute or long-term conditions. You will provide care for a range of individuals whose dependence on nursing care will vary considerably.

Children's Nursing

Children's Nurses work closely with children and adolescents and with their families in a range of hospital and community-based settings. Children's nursing is practised within a philosophy of family-centred care, where children, young people and their carers are actively encouraged and supported to become involved in care decisions and interventions. The Children's Nursing pathway therefore pays particular attention to developing students' communication and interpersonal skills. Community-based placement learning opportunities allow students to work alongside Health Visitors, School Health Nurses, primary healthcare teams and specialist Children's Nurses, whilst hospital placements include general children's wards and specialist areas such as neonatal, high dependence and intensive care units and adolescent services. Many factors influence children and young people's health and through the programme students will develop awareness of how political, social and economic policies impact on health and care delivery. Students will also be exposed to the legal and ethical frameworks that currently guide nursing care. Students will have the opportunity to develop their skills in a simulated environment specifically designed for children's nursing. Learning in this setting will be delivered using a variety of methods including scenarios, role play and video analysis.

Mental Health Nursing

Mental Health care in the UK is an expanding network of multi-professional and multi-agency provision. Within this the Mental Health Nurse is well placed to deliver quality care for people with mental health problems. This is centred on holistic assessment providing a value-based service to all clients. Care delivery is underpinned by philosophies of recovery and social inclusion based on best evidence, ensuring that dignity and integrity are maintained for an often stigmatised and vulnerable client group. Professional, legal and ethical issues are considered thoroughly throughout the programme. Theoretical learning includes skills practice, role play and feedback to enhance the development of interpersonal and



Taking care of a new arrival

clinical skills. Problem-based learning is a key feature of the programme. In practice students will work with children and young people, working-age adults and older adults in both community and hospital settings. Students have the opportunity to work in specialist areas, such as crisis intervention teams, psychiatric intensive care units, drug and alcohol services and forensic mental health teams. Students will develop their knowledge and understanding of the role and responsibilities of the Mental Health Nurse both in teams and as autonomous practitioners.

Bachelor of Midwifery (Hons)

Midwives provide care to women, babies and families. They are key to ensuring that women have a safe and emotionally satisfying experience during their pregnancy, childbirth and postnatal period. Places on our Bachelor of Midwifery programme are in high demand, with applicants invariably attracted to the diverse and rewarding career opportunities that are opened up to those with a midwifery qualification.

The programme has a modular structure and consists of 120 credits per year. All modules are compulsory and integrate theoretical and practical learning. Students must pass all modules in order to progress through the programme, achieve the degree of Bachelor of Midwifery and be entered onto the midwifery part of Nursing and Midwifery Council's professional register.

The Bachelor of Midwifery programme involves three years of full-time study over 45 weeks per year and is designed for applicants with no prior experience in the field of nursing or midwifery. It provides a carefully integrated combination of academic learning and practical experience, in which learning by observation and supervised practice within the clinical setting is underpinned by theoretical study.

The programme seeks to recognise the changing nature of midwifery care and acknowledges the need for flexibility and innovation. The application

of biological, behavioural and social sciences to midwifery theory and practice facilitates the development of knowledge and skills necessary to provide non-judgemental, anti-discriminatory care and service in a variety of health care contexts that is respectful of difference and diversity. The programme recognises that students are midwives of the future who will work in a range of settings, undertake the lead practitioner role, promote and enhance the management of normal births, and coordinate and provide care in high-risk and complex pregnancies through the childbearing process.

Key features of our programmes

Learning in practice

Students on pre-registration nursing and midwifery programmes are required to undertake duties as part of a clinical team. Placements are structured using a "hub-and-spoke" model, with practical experiences delivered in a variety of settings throughout South East Wales. This approach enables us to ensure that you achieve the full range of competencies required for your chosen field of practice. Whilst on placement, each student is supervised and mentored by a qualified practitioner. Further information about what placement learning involves and the types of practical experiences available is provided on our website:

www.cardiff.ac.uk/sonms/currentstudents/cpps

Assessment

Assessment is continuous over the three years of each programme. A variety of assessment methods are employed including assignments, examinations, individual and group presentations, portfolios of evidence and direct observation of clinical practice. In the final year of the programme, students also complete a dissertation. Assessments are designed to support students to integrate their academic and placement learning and to reinforce and build their knowledge and understanding of their chosen field of practice. Students are supported to achieve their full

potential as they progress through their programme of study via individual and group tutorials and regular feedback on their progress.

Admissions Procedure

To be considered for entry to the degree programmes, you should apply via UCAS. After considering your application, we may invite you to visit the School for an assessment and interview. This normally takes place between October and March each year. In considering your application, we will take into account both your academic performance and potential and your aptitude for a career in a caring profession. Full details of the admissions process are provided in the pre-registration Undergraduate Applicants Guide, which can be downloaded from the School's website.

Pre- and post-application visits to the School are encouraged. Numerous School Information Days are held throughout the year and are extremely popular. These offer a full programme of events including talks on the different fields of nursing available and midwifery, as well as an opportunity to meet staff and existing students to discuss the admissions process and career opportunities and to learn about important aspects of the programme. Details of when events are taking place and of how to book a place are provided on the School's website.

Nursing and Midwifery Council Registration

On successful completion of the Nursing or Midwifery programmes of study, graduates will be eligible to be admitted to the appropriate part of the Nursing and Midwifery Council register.

Career prospects

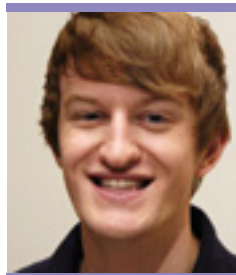
Our graduates enter a wide range of positions in the NHS and with independent and voluntary sector organisations. A career in Nursing and Midwifery requires a commitment to lifelong learning and many of our graduates return to Cardiff for further study, whether to advance their skills and knowledge, to enter specialist roles such as District Nurse or Health Visitor or to study for a higher degree.

Funding

Tuition fees for UK-domiciled students are currently met by the Welsh Government, from whom they receive a grant of £1,000 per year. They are also eligible to apply for a student loan and may be entitled to a means-tested bursary depending on their personal circumstances. Information regarding eligibility criteria will be provided to all applicants invited for interview. The School will also consider applications from international fee-status students, subject to the availability of suitable clinical placements. Such students will need to make their own arrangements to meet tuition, placement and living costs.



Children's Nursing Students in the Clinical Skills laboratory



Chris Mitchell
Adult Nursing

"Between finishing my A-levels at college and coming to Cardiff University, I worked as a community care assistant. Although I already knew I wanted to become a nurse, this job opened up my eyes to how intense caring is. I'm in my first year and loving the course (both the clinical and theoretical aspects). The experience I gained as a care assistant was worthwhile and has definitely helped me with the clinical aspects of the course; however many of my friends had little experience before joining the course and even I will admit that some of them are better at the course than I am! Cardiff University is a well established university and therefore provides a stable learning environment as well as boasting a good social aspect to the course (Student Union and Cardiff's night life!). I would definitely recommend coming to study at Cardiff University."

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

BBB: No specified subjects

WBQ:

A pass in the core and two A-level passes at grade B or above.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

All degrees

GCSE: (Essential) 5 GCSEs grade A-C must include Maths, English or Welsh (first language) and a Physical Science.

Please note: Deferred entry is not available for the Bachelor of Midwifery programme.

Applications Information

Typical intake: **280**

Typical number of applications: **3,620**

Admissions Tutors

Lead Admissions Tutor: **Mandy Brimble**

Adult Nursing: **Beverley Jonson**

Children's Nursing: **Sian Bill**

Mental Health Nursing:

Elizabeth Bowring-Lossock

Midwifery: **Fran Magness**

Tel: (029) 2068 7766

Email: nurseinfo@cardiff.ac.uk

Optometry

Degree Programme/ UCAS Code

Optometry BSc
B510

At a Glance:

Employability/Careers

In 2010, 92% of the School's graduates were in employment within six months of graduation while others were in engaged in further study or taking time out to travel.

Employers included: universities, various NHS Trusts, optometrists plus companies such as Astra Zeneca and Johnson & Johnson.

Career destinations included: optometrist, medical writer and project manager. Postgraduates also go on to work in industry, academia and for research councils.

Research

In the most recent UK Government Research Assessment Exercise 90% of the School's research was rated as being of international standard.

League Tables

The School was ranked 2nd in the 2012 Times University Guide and 3rd in the Complete University Guide.

The School offers a three-year undergraduate Honours degree programme, which leads to the degree of BSc (Hons) in Optometry.

Cardiff School of Optometry and Vision Sciences has an outstanding record of achievement. Teaching provision has been independently assessed as 'Excellent' and it has been awarded the highest category of excellence for the quality of its research.

The School moved into a custom designed building in 2007, which is home to all teaching, research and outreach activities. Students benefit from outstanding facilities, which include clinics, laboratories and teaching rooms with the latest state-of-the-art equipment.

Optometry

Optometry is a very varied profession centred on the clinical areas of ocular disease, refraction, binocular vision and contact lenses.

One of the main roles of an Optometrist is to test sight and prescribe patients an accurate correction for their vision. This correction must optically improve vision and at the same time give the visual comfort that is expected. The Optometrist is also able to dispense spectacle frames and lenses and contact lenses.

Importantly, the Optometrist must also understand and be able to detect many diseases that affect the eye and visual system, and for this reason should be well educated in all aspects of vision science and pathology of the eye. The significance of this role is reflected in the legal obligation Optometrists carry to refer patients with ocular disease to their medical colleagues.

Examples of other aspects of Optometric practice include:

- Assessment of patients who are very young and cannot communicate in an adult way or who are unable to express themselves because of disability. These patients can be a real challenge and their assessment requires specialised techniques.
- All Optometrists examine children as part of their daily practice but some in the profession choose to specialise in this area.
- Assessment of patients who are partially sighted. Here the Optometrist aims to improve the patients' quality of life by helping them make more effective use of their residual vision. This work can be particularly satisfying because, with the use of appropriate optical aids and suitable training, patients can be helped to do many tasks which they could not otherwise do, and can often regain their independence and mobility. Indeed, a visual improvement that might appear insignificant to someone who can see well often opens up a whole new world for a patient with partial sight.

Optometrists can also provide advice on occupational vision, illumination and colour vision, and test colour vision.

Structure of the Course

The programme of study is three years full-time. It is designed to unite both the scientific and clinical components of the discipline. In the first year, the basics of the subject are taught and no prior knowledge of the eye and visual system is expected. In the second year, subjects are expanded to prepare students for the patient clinics and 'front-line' projects they undertake in the third year.

The clinical aspects of the programme are spread over all three years and designed to be as diverse as possible. In the final year, direct clinical contact is given in routine refraction, dispensing, contact lenses, paediatric assessment and low vision. This experience is enhanced by visits to ophthalmic and orthoptic hospital departments, where students encounter ocular disease and the surgical or medical treatment of these conditions first-hand.

To support students in their learning a variety of e-learning packages are available.

To ensure effective teaching, staff employ a wide range of teaching methods chosen from the many now available.

First Year

This is an exciting year, with modules providing basic-level teaching and learning opportunities in a variety of subjects including, for example: Cells and Systems, Optics and Visual Optics, Anatomy and Physiology, Dispensing, and Clinical Procedures. This information forms the foundation upon which much of the remainder of the programme is built. While the subject matter is diverse, special reference is continually made to the visual system and to the practice of Optometry. In addition, students enjoy clinic and laboratory modules every week that provide the vital 'hands-on' experience so important in the development of a clinical professional. Students also receive instruction on the use of computers that will be useful throughout the course.

Second Year

The second year develops naturally from the first. Modules build upon the foundations of the first year to provide knowledge more directly related to the eye and visual system. The integration of scientific and clinical teaching provides students with a greater understanding of the mechanisms and processes that are taking place in the eye and visual system, and in the design and use of instrumentation to assess visual function and

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/optom

You can also download our brochure from:

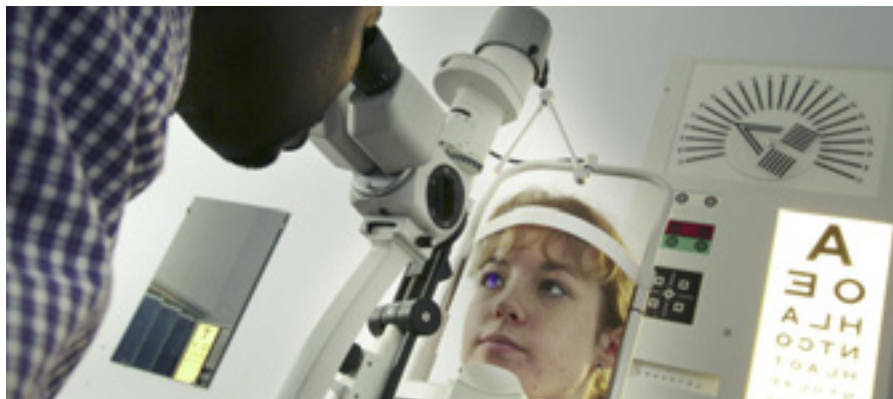
www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



More online at:
www.cardiff.ac.uk/optom

Detailed course profiles:
www.cardiff.ac.uk/courses



Clinics form an important part of the course

health. Clinical teaching seeks to develop students' skills to a level where they are able to work with patients. This includes learning about communication skills that are necessary to provide a constructive interaction between optometrist and patient. Clinics are held in refraction and contact lenses, and dispensing methods continue to be taught throughout the year. The clinic sessions are supervised, and as students become more skilled they are introduced to more sophisticated instrumentation. Towards the end of this year, students examine their first real patients.

Third Year

Clinical methods and experiences are developed throughout the year towards full professional level. A high proportion of the student week is spent working with patients in the clinics. These clinics provide professional services to the general public in routine refraction, contact lenses, low vision, paediatric and special assessment, and dispensing. Visits to hospital clinics support the clinical tuition and supplement the second and third year taught courses in ocular disease. Modules in binocular vision, physiology of vision and paediatric optometry complete the year.

Each third-year student also carries out a project. These last all year and may be laboratory, clinic, or library-based. Ultimately, students must produce a written thesis describing their work. These projects are of a consistently high standard and students frequently report that project work provides the most absorbing and fulfilling part of their course because they are given the freedom to develop their own abilities and ideas.

We are particularly pleased that graduates of this School rarely experience difficulties in obtaining pre-registration positions.

Research

The School has a multidisciplinary research approach to advancing knowledge of the human visual system in health and disease. Our investigations encompass molecular genetics, cellular biology and even system analysis to advance our understanding of pathogenesis, early

diagnosis of disease, potential treatments and therapy monitoring.

Overseas Students

The School receives large numbers of applications from international applicants. We actively encourage overseas applications and these should be directed through the Admissions Tutor.

Use of Living Organisms in Undergraduate Teaching

Please see page 130.

Conclusion

We are extremely proud of the reputation that our undergraduate teaching has, and of our contribution through research to increasing knowledge of how the eye and visual system works. The positive influence of active research on student learning cannot be emphasised enough. New concepts and ideas filter down rapidly to ensure that students are up-to-date, and teaching is fresh and vibrant. The active involvement of staff in research also ensures that the teaching programme is flexible and constantly changing to equip graduates with the skills needed by a rapidly changing Optometric Profession.

General Optical Council Registration

Optometry students normally obtain their BSc Honours degree after three years of studies at Cardiff. With a final BSc (Hons) degree classification of lower second or higher, they proceed to a final pre-registration year in the community optometric environment, or in the eye department of a hospital (subject to visa regulations). Graduates from this School rarely experience difficulties in obtaining a 'pre-registration' post.

This 'pre-registration' year of training is under the direct supervision of a qualified optometrist, and the student is required to pass assessments and professional examinations run by the College of Optometrists. Students are then able to register with the General Optical Council as an optometrist and begin to practice in their own right.

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

AAA, two of which would normally be from Mathematics, Physics, Chemistry, and Biology

WBQ:

Acceptable with other qualifications. Please contact Admissions Tutor for more information.

Int Bacc:

34 points including Chemistry, Maths, Physics or Biology.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

Other Requirements

GCSE: English grade C or above, or equivalent.

Applications Information

Typical intake: **70**

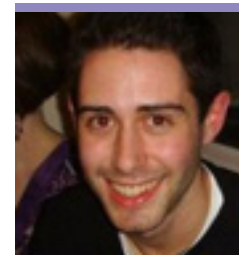
Typical number of applications: **450**

Admissions Tutor

Mr Richard Earlam

Tel: (029) 2087 4852 or 2087 9048

Email: earlam@cardiff.ac.uk



Tristan Jones
Optometry

"Optometry is an important frontline healthcare occupation and many significant illnesses can be diagnosed by eye examination. I feel I will gain great satisfaction from being able to help people. I knew Cardiff's optometry course had an excellent reputation. The new building opened in 2007 and the facilities are excellent. The staff are very enthusiastic and provide continuous academic challenges and the practical elements of the course encourage much independent practice and learning. In the future I'd be happy working in a high street practice, although I'd really enjoy the opportunity to work in a hospital. Outside of study, I am a member of the Cardiff City Concert Band, the Healthcare music society, the Big Band, and I present a radio show on the student radio station."

Pharmacy

Degree Programme/ UCAS Code

Pharmacy MPharm
B230

At a Glance:

Employability/Careers

In 2010, 100% of the School's graduates were in employment within six months of graduation.

Employers included: hospital pharmacies, community pharmacies, research institutions and pharmaceutical companies.

Career destinations: clinical pharmacist, community pharmacist, industrial pharmacist, researcher and pharmacy manager.

Research

In the most recent UK Government Research Assessment Exercise 85% of the School's research was rated as being of international standard.

League Tables

The School is regularly ranked amongst the top 5 schools of pharmacy in the various university league tables.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/phrmy

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



The Welsh School of Pharmacy has an international reputation for its teaching and research. It is among the leaders in clinical skills development.

Undergraduate study is for a Master of Pharmacy degree, which is accredited by the General Pharmaceutical Council. Following graduation and after a successful pre-registration year and assessment in practice, you will register as a pharmacist.

Introduction

Pharmacy is the study of the sciences and the use of medicines. A degree in Pharmacy is a pre-requisite to professional practice. This is a time of significant progress for the profession; in 2008 the first pharmacists qualified to prescribe medicines independently of a doctor were accredited, adding substantially to the established roles of dispensing and advising about prescriptions and the over-the-counter sale of medicines. This development is founded on the greatly increased clinical role of pharmacists over the past two decades. Pharmacists are now the recognised experts on medicines, and advise on and monitor prescribing and medicines-administration by doctors, nurses and other members of the healthcare team. Our pharmacy curriculum at Cardiff reflects this and other new and expanding roles in the NHS. It also reflects the broad science-base of the subject, which can be the foundation for careers in many parts of the pharmaceutical and related industries.

The study of pharmacy concerns the scientific, professional and social aspects of drugs and medicines. You will learn about the discovery and development of new drugs; about their chemical, physicochemical, pharmacological and toxicological properties; you will study the clinical uses of medicines and the role of the pharmacist in relation to other healthcare professions. You will learn about the underlying pathophysiology of many human diseases, and how the use of medicines can halt, slow the progression of, or reverse disease processes.

Leading research programmes, together with a variety of postgraduate and professional courses in the pharmaceutical sciences and clinical pharmacy, contribute to the School's international reputation and provide a physical and intellectual environment to encourage and stimulate your undergraduate studies.

Degree

It will take you four years of full-time study to qualify for a degree in Pharmacy. The programme is modular and credit-based in format. Students study for 60 credits in each of two semesters per year; 480 credits in all. As the degree course is part of the programme towards registration as a professional, all modules are compulsory. However, there is some choice of study in the final year, involving advanced investigation in a

specialist research area, including a research project.

The objectives of the MPharm degree are:

- To provide at a Master's degree level a sound knowledge and understanding of the pharmaceutical sciences and necessary professional skills, enabling our graduates to proceed confidently with pre-registration pharmacy training;
- To offer experience of working closely with pharmacy practitioners within practice placements in all four years of the course;
- To produce graduates who are well-fitted for career opportunities in hospital, community, industrial and academic pharmacy.

Level 1

Your first year is designed to give you a foundation in the scientific and information handling aspects of pharmacy. This is complemented by an early 'hands on' introduction to the practice of pharmacy.

Level 2

Building on the knowledge you gained in Level One you extend your knowledge in pharmaceutical chemistry, formulation of medicines and therapeutics. In professional pharmacy there is an emphasis on the dispensing of prescriptions.

Level 3

Clinical aspects of pharmacy are developed together with formulation science and pharmaceutical analysis. Level Three therapeutics focuses on the central nervous system and hormonal systems.

Level 4

During Semester One, you will apply the knowledge you have gained to problem solving in both pharmaceutical science and professional pharmacy. In addition, as a prelude to your research project, you will gain generic research skills in literature evaluation, statistical analysis and research presentation. You will also undertake advanced study in your chosen research area. During Semester Two, you will focus mainly on your individual substantive research project. This project may be based within the School or another UK or overseas academic department, or in a community, hospital or industrial setting.

Admissions Procedures

Your application will be considered carefully and applicants, selected on their qualifications, academic reference and personal statement, are invited to visit the School. During the visit applicants are encouraged, within an interview, to demonstrate a number of non-academic

commitments and skills, such as commitment to/and a basic understanding of pharmacy. There are opportunities to ask staff and students about the School and life in Cardiff.

Methods of Teaching and Assessment

The School has received high ratings for teaching and learning. Formal lectures and laboratory-based classes are supplemented by computer-assisted learning (CAL), video demonstrations and workshops.

In addition, you will be assigned a personal tutor to oversee your progress and provide support as necessary throughout the academic year. Your work is assessed at the end of each module, normally by written examination together with coursework. The latter can consist of practical reports, project-based assessment, simulated clinical work, presentations and practical demonstrations. Your final degree classification will be determined by your performance throughout Years Two, Three and Four.

Career Prospects - Working as a Pharmacist

Job opportunities and salaries in all areas of pharmacy are good. Towards the end of the degree course, pharmacy students are given assistance in finding a pre-registration post. Opportunities exist for our graduates in European countries, where the mutual recognition of EU member states' pharmaceutical qualifications enables British pharmacists to practise.

Pharmacy is practised in community pharmacies, hospitals and in the pharmaceutical industry. Opportunities and prospects exist in all branches.

A high degree of professional responsibility and competence will be expected from you, to ensure that potent and potentially harmful medicines are provided to patients safely and properly. As a pharmacist, your responsibility is to advise the public in the proper use of their medicines, whether they have been dispensed by you on a doctor's prescription or sold over the counter.

In the hospital environment, pharmacists have a major role in the optimal use of medicines for patient benefit, working directly with doctors, nurses and other health professionals on wards or in clinics. Growing numbers of hospital pharmacists are qualified to prescribe medicines in their own right. Some hospital pharmacists have specialist roles in technical services, wherein they manage small-scale manufacture of special medicines. Drug information pharmacists provide a hospital, and sometimes region-wide, service. As well as the supply of medicines, community pharmacists are involved in advising the public on health matters and providing professional advice to other health professionals about medicines, dressings and other medical products. In the industrial environment pharmacists can be responsible for large-scale manufacture of

medicines, product registration, clinical trials or marketing.

Professional Qualification

The Pharmacy degree will enable you to register as a pharmacist after completing a pre-registration year. This training year must be spent employed and supervised by a recognised pharmacist tutor, in community and/or hospital pharmacy. You can instead do six months in industry with the final six months in hospital or community.

Potential applicants should be aware that the possibility exists of a change to a five-year integrated programme of the university-based course with the practice-based pre-registration year. Students would graduate and qualify as a pharmacist at the same time.

For information about developments see the School website: www.cardiff.ac.uk/phrmy

Towards the end of the pre-registration year, you must sit and pass the Pharmacist Registration Examination. Registration with the General Pharmaceutical Council is the statutory qualification which enables you to practise as a pharmacist in the United Kingdom and the European Union; it is recognised in many other countries around the world.

Postgraduate Study

The School offers a number of specialist postgraduate/post-qualification programmes of study:

- MSc or Diploma in Clinical Pharmacy
- MSc or Diploma in Clinical Research
- MSc or Diploma in Community and Primary Care Pharmacy
- Certificate in Prescribing

Research Activities

The School has thriving and internationally acclaimed research teams. Research activities involve more than a hundred academic staff, research associates and research students. Research areas include: medicinal chemistry and drug design; drug action and targeting; formulation science; infection control; cancer chemotherapy; and medication safety and economics. The teaching and research interests of the School are closely aligned. This fosters a natural relationship between research and teaching, to the enhancement of the teaching programme and the undergraduate learning experience. Abstracts of undergraduate students' final year research projects are published. Opportunities exist for postgraduate students to work in this environment, towards the degree of MPhil or PhD.

Use of Living Organisms in Undergraduate Teaching

Please see page 130.



The School is located in recently-refurbished premises

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

AAB/ABB including Chemistry and at least one other science subject, preferably Biology, Mathematics or Physics

WBQ:

Pass Advanced Diploma and AA grades in Chemistry and another Science or Mathematics at A-level.

Int Bacc:

34 points including scores of 6 in Chemistry, and Biology, Maths or Physics at Higher Level.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

Other Requirements

GCSE: Double Science or Biology, Mathematics and English Language.

Fitness to Practice: The General Pharmaceutical Council's (the pharmacy regulatory body) Student Code of Conduct and Fitness to Practise procedures stipulate that students must evidence good character. This will entail an enhanced Criminal Records Bureau (CRB) check. Further information can be found on the relevant websites at www.crb.gov.uk and www.pharmacyregulation.org. Failure to undergo such a check, or the discovery of inappropriate behaviour, may result in the student being unable to join or complete the course.

Applications Information

Typical intake: **120**

Typical number of applications: **850**

Admissions Tutor

Dr Robert Dewdney

Tel: (029) 2087 4080

Email: pharmacy-ug@cardiff.ac.uk

Physics and Astronomy

Degree Programmes/ UCAS Codes

Single Honours

Astrophysics BSc
(3 years) F511

Astrophysics MPhys
(4 years) F510

Physics BSc
(3 years) F300

Physics MPhys
(4 years) F303

Physics with Astronomy BSc
(3 years) F3F5

Physics with Astronomy and a Professional Placement BSc
(4 years) F3FN

Physics with Astronomy MPhys
(4 years) F3FM

Physics with Medical Physics BSc
(3 years) F350

Physics with Music BSc
(3 years) FW33

Physics with a Professional Placement BSc
(4 years) F302

Theoretical and Computational Physics BSc
(3 years) F340

Physics with Preliminary Year
(4 years) F301

Joint Honours

Mathematics and Physics BSc
FG31

At a Glance:

Employability/Careers

In 2010, 50% of the School's graduates were in professional employment within six months of graduation while a further 33% were engaged in further study with others taking time out to travel etc.

Employers included: UK and international universities plus organisations such as the Atomic Weapons Establishment, Olcaro Technology and the Ministry of Defence.

Career destinations included: lecturer, research scientist, research development leader, medical physicist.

Research

In the most recent UK Government Research Assessment Exercise 80% of the School's research was rated as being of international standard. Many of the School's research projects involve international collaboration.

Facilities

The School is based in the Queen's Buildings complex which offer some of the most modern facilities in the university sector. These include well equipped laboratories, computing facilities and astronomical observing facilities. There are dedicated clean rooms and an in-house workshop.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.astro.cardiff.ac.uk

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Physics is the most fundamental of the sciences. It is concerned with understanding the laws of nature and in applying this knowledge to unlock the secrets of the Universe, to understand the world around us and to generate new technologies.

A degree in Physics, or one which includes Physics, offers an intellectual challenge, as well as providing you with practical skills and the ability to solve real-life problems. This broad training allows you to keep your choice of career open until the time you graduate and also to adapt to current employment opportunities. The work ethic and adaptability of Physics graduates is one of the factors which makes them so popular as employees in diverse sectors such as industry, research, education, commerce and finance.

The degree programmes available in Cardiff have been devised to convey the excitement of Physics, providing a thorough understanding of this fundamental subject and to develop strong problem-solving skills. They provide a choice between practically and theoretically-orientated courses.

All of our degree programmes are accredited by the Institute of Physics and include specialised topics which reflect the research interests of the School. You can, therefore, be assured of the highest quality of teaching throughout.

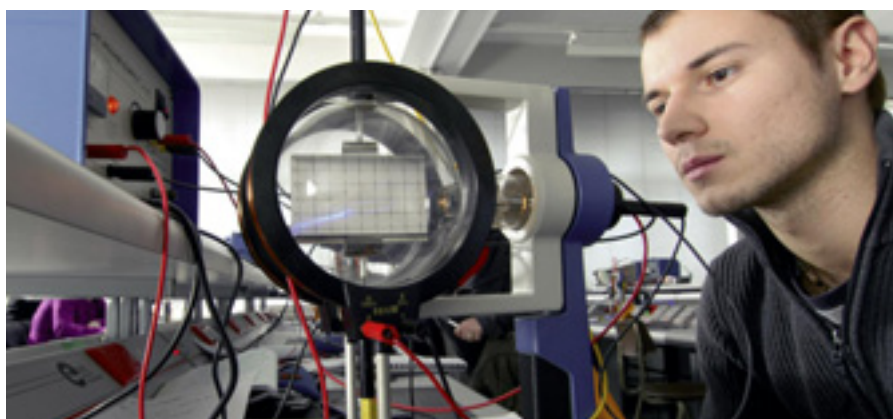
Physics and Astrophysics are our two most popular degree programmes.

In these subjects there is a choice between the standard three-year BSc or the more advanced MPhys. The latter is a four-year, full-time course intended primarily for students who wish subsequently to enter research or become professional physicists.

Core Physics and Astrophysics subjects also provide the central material for the other degree programmes offered by the School.

These programmes provide an opportunity to pursue a supplementary topic, such as Astronomy, Medical Physics or Music in considerable depth. There is also a Joint Honours degree programme which allows Physics to be combined with Mathematics.

Tuition is provided by means of lectures, tutorials and exercise and problem-solving classes. There are also laboratory classes. In all, you might expect to receive about 18 hours of formal teaching per week. In all years, you are given regular tutorials in a group including two or three other students with one member of academic staff, during which your work can be discussed in



First year undergraduate student in the laboratory; each student will work with their own set of equipment in a teaching ratio of 1:10 maximum

an informal and relaxed atmosphere. You are also assigned a personal tutor who is there to assist with non-academic problems should the need arise and who will remain your tutor throughout your whole degree.

You will find that the School fosters a friendly atmosphere and that staff are approachable and helpful. The School offers undergraduate facilities of the very highest standard within a completely refurbished building. A library, additional computing facilities, a refectory and a student common room are located in the adjacent Trevithick building. The School is also close to the city centre and to student accommodation.

Staff are involved at the forefront of scientific research, providing a lively environment for study. We have one of the largest UK communities of Astrophysicists and Condensed Matter Physicists, thanks to the recent appointment of five new members of academic staff. In the final year you undertake a major project. Most of these are located in research laboratories, giving you the opportunity to undertake research work and to share in the excitement of new discoveries.

The First Year

The transition to University is a time of change and uncertainty and we realise that it is not easy to commit yourself to a particular degree programme up to a year before entering University! The School offers a highly flexible structure in the first year, which, with few exceptions, allows you to defer your exact choice of degree until the beginning of the second year.

All undergraduates are introduced to computing in the first year. The School has extensive PC facilities connected to the University network and Wifi throughout the building. Tuition is given in using the network software for word and data processing and for web-based research. Except during structured teaching sessions, these facilities are freely available to all students.

Physics

Physics is a mainstream, traditional academic programme of study, which provides the broadest foundation in physics and leads naturally to a wide range of careers. All major areas of physics are covered.

Practical training forms an important component of this degree programme. You work with up-to-date apparatus employing lasers, x-ray sources, cryogenic equipment, modern electronics and computers. Project-type experiments are introduced at the end of the second year in preparation for the final-year project. The latter involves working approximately two days per week in research laboratories or alongside research teams. You may choose projects of a practical or theoretical nature from all aspects of the School's activities, and you may also design your own project.

Astrophysics

Cardiff has a large number of academic staff who are active in all aspects of Astronomy and Astrophysics research, providing courses of the very highest calibre. In Astrophysics, you take courses both on astrophysical topics and on basic physics and mathematics. The aim is to give a thorough grounding in physical principles, mathematical methods, computing, statistics and observational techniques. You then practise and consolidate these skills by applying them to a wide range of astrophysical problems. In this way you acquire a very broad and flexible education which opens up career opportunities in high-technology industries, as well as in pure astrophysics research. You also do a supervised research project in your final year.

Physics with Astronomy

This programme caters for those students who wish to maintain the main Physics core but are interested in taking selected Astronomy and Astrophysics options. You undertake assignments and supervised projects using the School's astronomical observing suite (including optical and radio telescopes and a solar observatory) and its extensive image processing and data reduction facilities. You are then equally well prepared for careers in observational astronomy, industry, commerce or teaching.

Physics with Medical Physics

Physics with Medical Physics is provided jointly with the Cardiff and Vale University Health Board, Velindre NHS Trust and Public Health Wales NHS Trust. The Medical Physics element consists of a study of various diagnostic and therapeutic techniques with a special emphasis on the underlying physical and mathematical principles. Practical work includes a major project in the final year, which is undertaken at Cardiff University Hospital of Wales. The course equips graduates for a wide range of careers including Medical Physics, in which there is a proven demand. Many of our graduates have successfully moved onto the NHS scheme for Medical Physicists.

Physics with Music

Physics with Music is a specialised course designed for the increasing numbers of students who successfully combine music with science subjects at A-level and wish to continue this combination through to degree level. You devote approximately two-thirds of your time to physics and one-third to music throughout the full three-year duration of the course.

There is special tuition in studio techniques, as well as the acoustical aspects of music and musical instruments. The music component is devoted to textures (harmony, counterpoint, fugue

and instrumentation), to analysis or to the history of music. In addition there are practical sessions in music and physics and you are expected to take part in music making.

Theoretical and Computational Physics

Theoretical and Computational Physics is aimed at students who wish to do a straight Physics degree but with less emphasis on laboratory work and more emphasis on theory and computing. Options include instruction on mathematical and statistical methods, numerical techniques and computer programming, as well as assignments and supervised research projects designed to give you practice applying these skills to a variety of problems. Subsequent career opportunities are numerous and rewarding in this burgeoning field.

Professional Placement

The School offers a Professional Placement scheme on two of our BSc degree programmes, F302 (Physics) and F3FN (Physics with Astronomy). Students may opt for a placement in industry or in a wide array of other sectors (including finance, public service or research etc). This practical experience ensures a more attractive CV while allowing students to engage in real-world work environments, using their knowledge to full effect.



Natalie Wint
BSc Physics with
Medical Physics

"Having moved courses from Law to Physics with Medical Physics two weeks into the first year, I found the department very welcoming. Staff contributed a lot of time to help me catch up with missed work and they continued to be very open to giving help throughout the three years. The School was a very exciting place to be, particularly during the recent Hershel and Planck research. In this respect the School is very strong in relating modules to current research, and these are the modules that I found most enjoyable.

I would say that the course has had a positive impact on my life. I am very glad I changed courses, and particularly during this economic downturn, I feel that Physics is one of the strongest degrees I could have."

Physics and Astronomy *continued*

Preliminary Year

The School offers a one-year preliminary programme that enables students from a wide range of educational backgrounds – for example, mature students or those who may have taken inappropriate A-levels – to gain access to our degree programmes.

The programme consists of twelve modules: three core mathematics modules, four physics modules, and the remainder from a range of options (including chemistry and biology). Upon successful completion of the preliminary year, students are guaranteed a place on one of the degree programmes offered by the School.

Mathematics and Physics

This Joint Honours degree programme is designed for those who seek greater breadth than that provided in Single Honours degree programmes in Mathematics (G100) and Physics (F300). The interface between disciplines is becoming less and less clearly defined, and this programme could lead to interesting careers covering both subjects. You devote half your time to Physics and half to Mathematics. You may do a theoretical project instead of laboratory work in the final year. Information about the Cardiff School of Mathematics is given elsewhere in this prospectus.

MPhys

Cardiff offers MPhys degrees in Physics, Astrophysics and Physics with Astronomy. These undergraduate programmes are of four years' duration and are natural extensions to three-year degrees, allowing subjects to be pursued in greater depth. They share a common first and second year with our BSc courses, allowing transfer between the two programmes. The fourth year involves major project work in which you would be expected to undertake novel research. The MPhys is more comparable in standard with European first degrees. As with current three-year BSc degree programmes, the MPhys is classified (First, Upper Second etc). Assessment for the degree is based on performance in the second, third and fourth years.

Assessment

Examinations are held in January and May. In your first year you are required to pass these in order to progress to the second year. Your final degree mark, which determines the classification of your degree, is based partly on examinations taken in the second and third years (and fourth year for MPhys), and partly on continuous assessment, such as projects and coursework.

Free standing modules

In their first year, students can take a free standing module as one of their 12 modules (if

the particular degree scheme allows). This module can be chosen from a great number provided by other Schools in the University. For instance, students may choose to study a language at beginner, intermediate or advanced level, or a course in Music or Forensic Chemistry.

Postgraduate Research

The School has thriving research groups and a large number of students studying for PhD degrees. The main groups are condensed matter physics & photonics, astronomy & astrophysics, gravitational waves, musical acoustics and biophysics. A large number of Cardiff undergraduates stay on to do higher degrees in these research areas.

Admissions

Applicants for admission should apply via UCAS. All eligible UCAS applicants are invited to a specific visit day, but you may also visit on a general University Open Day or contact the School to make special arrangements.



David Gooding
BSc Physics with Astronomy with a Professional Placement

David is on the 'Physics and Astronomy with an Industrial Placement Year' degree programme. He is currently in his third year of undergraduate studies, and is on placement at the Rutherford Appleton Laboratory in Oxfordshire. He is working as part of a team who are building radio receivers for the ALMA telescope, currently under construction in the Atacama Desert in Chile. The receivers work at a frequency of around 200 GHz, a wavelength of around 1.5 mm.

Members of the team were invited to a meeting in Chile to present details of their progress in building the receivers. David was asked if he would like to go along and help prepare the presentation.

The picture shows David in front of ALMA, which will eventually comprise around 60 high frequency radio antennas joined together. Sixteen have already been installed on site and have begun observations. David said "This was an excellent opportunity that I could not refuse".

Professor Brian Ellison, David's supervisor at RAL said "This was a unique opportunity for a student, who has worked on this project, to present his work to the wider community, as part of the RAL team."

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

BSc: ABB

MPhys: AAB

To include Maths and Physics. We do not accept General Studies or Critical Thinking. Mathematics and Physics requires an A grade in Maths. Physics with Music requires A-level Music. Grade 8 Practical plus Grade 8 Theory may be accepted in lieu of an A level in Music. Please contact us for details.

WBQ:

Pass in the core plus grades AB (MPhys) or BB (BSc) in Maths and Physics A-level.

Int Bacc:

MPhys: 32 points with 6 in Higher Level Physics and Maths.

BSc: 30 points with 5 in Higher Level Physics and Maths.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience. Entry may also be made through the preliminary year. Please contact the Admissions Tutor for more information as each case is assessed individually.

Other Requirements

AS: Applicants to all BSc and MPhys degrees (except prelim) must hold full A-levels, as AS-levels are not sufficient for admission to these programmes.

English Language: GCSE at C grade minimum or IELTS 6.5 (overall) with a minimum of 5.5 in each sub-group, for non-native English speakers.

Applications Information

Typical intake: **115**

Typical number of applications: **600**

Admissions Tutor

Dr Carole Tucker

Tel: (029) 874144 / 6457

Email: physics-ug@cardiff.ac.uk

Psychology

More online at:
www.cardiff.ac.uk/psych

Detailed course profiles:
www.cardiff.ac.uk/courses

Degree Programmes/ UCAS Codes

Psychology BSc

(3 years) C800

Psychology with Professional Placement BSc

(4 years) C810

At a Glance:

Employability/Careers

The degrees offered by the School prepare the way for a wide range of careers, and the record of employment for the School's graduates is above the national average. In 2010, 64% of the School's graduates were in employment within six months of graduation while a further 25% were engaged in further study with others taking time out to travel etc.

Employers included: NHS Trusts, local government departments, secondary schools, plus organisations such as the Department for Work and Pensions, the Ministry of Defence, Relate and Victim Support.

Career destinations included: psychology consultant, counsellor, educational psychologist, occupational psychologist, special needs assistant, recruitment consultant and business support manager.

Research

In the most recent UK Government Research Assessment Exercise 95% of the School's research was rated as being of international standard. 65% was rated as either world leading or internationally excellent.

Facilities

The School has excellent facilities including well-equipped cognitive and social psychology laboratories, excellent video facilities, a cognitive ergonomics laboratory, sound-proof and echo-free rooms, and a learning laboratory, with over 150 PCs. There is also an interactive space designed for students to work together, containing multi-media projectors, PC booths and wi-fi. The School has an excellent range of computing facilities, both for running experiments and for analysing data.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/psych

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
 Email: enquiry@cardiff.ac.uk



Talking about brains: a chance to learn from world-class experts

Psychologists investigate why we do things, how we do them and how we relate to others as well as to the world. Psychology is the scientific study of behaviour and experience.

Psychologists study people at all stages in their lives, from birth to old age, assessing how people perceive, how they think and use ideas, how they vary in intelligence and personality and how they are influenced by particular environments such as work, school and family. Psychology has a wide range of applications, for example in industry and commerce, in education and in health and social services.

Psychology in Cardiff

Cardiff School of Psychology is one of the largest and most successful schools of its type in the UK. The quality and relevance of its research has been recognised in every Research Assessment Exercise. The outstanding results from 2008 follow the highest possible ratings under the assessments in 1996 and 2001 and the 'Excellent' rating in the Teaching Quality Assessment. The School currently has over 50 academic staff, more than 100 research staff and a further 20 Research Fellows. There is a firm commitment to the research-led teaching of undergraduates at all levels of the degree programmes in Psychology. The School offers a 3-year degree in Psychology and a 4-year degree in Psychology with Professional Placement. The 4-year degree provides a unique opportunity to gain supervised work experience for a year between your second and final years of study. It is often, but not always, possible to change during your degree from the 3-year programme to the 4-year programme. It is a special feature of the School that aspects of Applied Psychology are included as an integral part of the courses.

The School welcomes students with arts as well as sciences backgrounds - there are no specific

A-level subject requirements, although any offer you receive might vary according to the subjects you are taking or have taken. What you can expect on our programmes is an environment in which you will mix with very able and motivated students. You can expect to receive teaching of the highest quality in state-of-the-art facilities. We expect a lot from you in return: the psychology courses at Cardiff are intellectually demanding, have a high workload, and emphasise experimental work, including issues in experimental design, statistical analysis and data interpretation. Our psychology courses involve a rigorous scientific approach to the study of human behaviour.

At the start of your first year we provide a number of introductory talks to help you settle in quickly on your degree programme. You will also be assigned a personal tutor at the start of your first year. Your tutor will be responsible for overseeing your academic and personal development during the course of your degree.

As might be expected, members of Cardiff School of Psychology have a wide range of research interests. Current projects, for example, cover every core area of applied and experimental psychology, including forensic, clinical, health, occupational, educational, neuroscientific, cognitive, social and developmental/family psychology. The School wins highly competitive research funding from all the major Research Councils and from other bodies such as the Royal Society, British Academy, the Ministry of Defence, and the Wellcome Trust, as well as from other charities and from industry. In 2009-10 research grants totalled in excess of £4.5million.

Psychology *continued*



Jenna Spinks
Psychology

"If you are wondering whether you should have a year in a professional placement, I would strongly suggest you do. It is an experience you cannot gain from any other part of your degree and a placement year can help you stand out when you apply for jobs or other courses. I did a clinical psychology placement. It was a year I would not have wanted to miss out on. It is an excellent way of putting what you are learning into practice."



"Understanding families and children" – The School has close links with the local community whose members regularly take part in research programmes

As a student in the School, you will experience tutorial work in small groups, as well as attending more formal lectures. You will have the chance to learn many skills through regular practical sessions, such as interviewing, survey work, psychometric testing, experimental skills and IT.

Opportunities to carry out research projects are also available in schools, industrial settings and in hospitals. You are encouraged, within your chosen degree programme, to develop your own areas of interest through your choice of practicals, supervised project and final-year option modules which will help you to find employment or further professional training.

The School's Undergraduate Research Opportunities Programme (UROP) provides the opportunity for students to take part in paid, cutting-edge research projects over the summer vacation following their second year, under the supervision of a member of academic staff.

The atmosphere in the School is relaxed and friendly while at the same time lively and committed. There are frequent visits from leading British and overseas psychologists.

Members of the School keep in contact with former students, many of whom have gone on to highly successful careers in many different branches of psychology.

BSc Honours programmes

First and Second Year

The beginning of a university course is an important period for any student. It is a period in which you will discover a new way of life and a new way of learning. Level 1 covers the first semester of the course, and is designed to give

you a sound foundation in psychology research and psychological thinking.

You will study three modules during Level 1. The 'Introduction to Psychology' module provides an introduction to psychological research in areas including social, cognitive, biological, and abnormal psychology, as well as research on individual differences. 'Practical Psychology' will introduce practical techniques for psychological research, including statistics for data analysis and the use of IT. 'Psychological Research' covers contemporary issues in psychology, and is designed to encourage critical and analytical thinking in the approach to psychology research.

Level 2 covers the next three semesters of the course, and builds on the topics and issues covered during Level 1. It continues to develop important themes in contemporary psychology, while placing particular emphasis on critical thinking, as well as the ability to interpret and integrate research findings and psychological theories. You will study nine modules during Level 2. Each of these modules focuses on a particular area of psychology, including developmental, cognitive, biological, abnormal, social, and perceptual psychology. Level 2 modules will develop and extend your understanding of each topic beyond what was covered in Level 1. Training in research design, statistics and computing continues during Level 2.

Professional Placement (Four-Year Degree)

The four-year Psychology with Professional Placement programme is similar to our three-year Psychology programme but involves a year between your second and final year where you can use and develop skills you have learnt as part of your degree in a professional setting. Our

students take up a wide range of placements in areas including clinical psychology, forensic psychology, occupational psychology and in other psychology-informed settings, such as the police force and the probation and prison services. The placement year provides invaluable experience that can give students an insight into their career choices and make them more competitive when applying for jobs or further courses of study. Placement positions are mainly chosen from a large menu of possibilities that the School provides, but the students can also find their own placement with the approval of the School.

Please note that such placements are subject to availability and to satisfactory academic progress. Your placement is monitored regularly by a tutor from the School and is assessed by various means both during and at the end of the placement.

Final Year

The School offers a range of modules in the final year that are designed to allow you to build on your previous work and to focus on your own interests within your degree programme.

You choose from a range of modules in psychology which focus on specific aspects of the subject or current theoretical approaches, and which are likely to change from year to year. A complete list of these final year option modules will be made available to you in your second year.

By way of example, among those that may be offered are: Development of Psychopathology and Criminality, Animal Learning and Cognition, Decision Making, Attitudes and Attitude Change, Vision and Action, Speech Communication, Emotion: Social and Neuroscience Perspectives, Neuroscience of Learning and Memory, Environmental Psychology, Memory Processes and

Memory Disorders, Language Development, Stress and Disease, Structural and Functional Neuroimaging.

You will also work throughout your Final Year on a Research Project, where you design and carry out an empirical investigation. Your research project is supervised by a member of staff who has expertise in the area that your project covers.

Assessment

For both programmes and at all levels, assessment comprises a combination of coursework and unseen examinations completed under timed conditions. Prizes are awarded to the best-performing students in each year.

International Students

The School is internationally recognised in both research and teaching, and we have a correspondingly wide range of students and staff from all over the world. In 2010 we welcomed students from Malaysia, China, India, Canada and USA, as well as students from many different European countries. We are proud to have such a diverse range of students attend our School and we make every effort to make their study here a rewarding experience.

Support while you are at Cardiff

As an international student you will receive all of the help available to home students but you will also have access to an International Support Officer at the School, and the University's International Office. The School and the International Office work together to offer help with visas, enrolment, finding accommodation and other practical matters that will make your life easier from the moment you apply to Cardiff.

Scholarships reserved for International Students

We are keen to see as many high performing international students as possible at Cardiff and for this reason we offer School of Psychology scholarships to international students of full fee-paying status (including Channel Island students). Our scholarships are based on academic achievement and reward students who achieve excellence in their examinations. Those students who successfully obtain a scholarship receive a substantial reduction on fees for the following year. Please refer to the International Scholarships section of the Psychology web pages for more information.

Career Prospects

There are openings for psychology graduates in industry and public service, including local and central government, in commerce, in social work and the probation and prison services, in vocational guidance and in teaching and research. A psychology degree is favoured by many potential employers because it reflects a

university education that develops the skills of literacy and numeracy. Psychologists are also employed on an increasingly wide scale in the educational, social and health services, for which postgraduate training is essential.

For entry to some postgraduate courses in psychology, the undergraduate degree must be accredited by the British Psychological Society as conferring Graduate Basis for Chartered Membership. Both the School's undergraduate Honours degrees meet this requirement.

Information concerning the subject, careers and postgraduate training courses may be obtained from the following booklets that are available from:

The British Psychological Society St Andrews House 48 Princess Road East Leicester, LE1 7DR

- How About . . . Psychology?
- Careers in Psychology
- Postgraduate Training in Psychology

In addition to the undergraduate degrees described here, the School offers taught postgraduate courses in Educational and Clinical Psychology.



Martha Hvosllef-Eide
Psychology

Martha completed a BSc in Psychology at Cardiff University in 2008, and is now in the final year of her PhD in Behavioural Neuroscience at Cardiff.

"Whilst deciding where to apply to do a BSc in Psychology, I was drawn to Cardiff University for several reasons. Firstly, the School of Psychology has an international reputation for research excellence and is highly ranked amongst British universities. In addition, an undergraduate research opportunities programme is available which offers paid experience in research laboratories within the University during the summer. The opportunity to experience British culture and improve my language skills were also important factors in choosing to study in Cardiff. I enjoyed both the city and the course so much that after three years of studying for a BSc, I decided to stay on and do a three year PhD as well."

Admissions Information

For detailed entry requirements and latest typical offers please see:

www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

If the student has taken at least one of the following subjects – Biology, Human Biology, Chemistry, Physics, Maths – a typical offer would be AAB (excluding General Studies).

If the student has not taken any of these subjects, a typical offer would be AAA (excluding General Studies).

These requirements are currently under review, and may change slightly for the 2013 admissions cycle. Please check our website:

www.cardiff.ac.uk/psych/degreeprogrammes/undergraduate/

WBQ:

Pass in the core and 2 A-Level passes at grade A, at least one of which must come from the following list: Biology, Human Biology, Chemistry, Physics, Maths. We do not accept General Studies at A-level.

Int Bacc:

35 points overall (excluding bonus points), with a minimum of 18 points at higher level.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

All degrees

GCSE: Grade B or above in English language or Welsh (as applicable) as a first language and in Mathematics or Statistics.

Applications Information

Typical intake: **190**

Typical number of applications: **1,000**

Admissions Tutors

Dr Marc Buehner

Dr Lewis Bott

Professor Ed Wilding

Tel: (029) 2087 6707

Email: psychology-ug@cardiff.ac.uk

Social Sciences

Degree Programmes/ UCAS Codes

Single Honours

Criminology BSc
L370

Education BA
X300

Social Science BSc
L301

Sociology BScEcon
L300

Integrated Honours

Law and Criminology LLB
M190

Sociology and Law LLB
ML13

Joint Honours

Criminology and Sociology BScEcon
LM39

Criminology and Social Policy BScEcon
ML94

Education and Criminology BScEcon
XM39

Education and Sociology BScEcon
LX33

Education and Social Policy BScEcon
XL34

Education and Welsh BA
QX53

Politics and Sociology BScEcon
LL32

Sociology and History BA
LV31

Sociology and Journalism BA
LP35

Sociology and Philosophy BA
LVH5

Sociology and Religious Studies BA
LV36

Sociology and Welsh BA
QL53

Social Policy and Sociology BScEcon
LL34

At a Glance:

Employability/Careers

In 2010, 62% of the School's graduates were in employment within six months of graduation while a further 22% were engaged in further study with others taking time out to travel etc.

Research

The School has an international reputation for its research. In the most recent UK Government Research Assessment Exercise 90% of the School's research was rated as being of international standard.

Facilities

Studying at Cardiff means being located in one of the most impressive social science buildings in the UK. The School of Social Sciences is based in the historic Glamorgan Building, a Grade II listed building. Centrally located in Cardiff's beautiful civic centre, the Glamorgan Building is close to other University buildings, including the well-stocked specialist libraries. Inside, recent refurbishment means that the teaching and IT facilities that the School has to offer are among the best in the University.



Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/socsci

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Social Science is the study of society and how people behave and influence our world. These issues are explored through our degree programmes in Criminology, Education, Social Policy, Sociology and Social Science, each of which takes a distinctive approach to the study of people, places and processes of change.

Teaching in Cardiff School of Social Sciences is closely related to our research into the problems and challenges of modern society. What you study will be directly related to the debates and controversies going on around you. Studying for a degree in the social sciences will enable you to see these issues in a new and more informed way.

Social Sciences at Cardiff

Cardiff School of Social Sciences is an internationally recognised centre of high quality teaching and research in the fields of sociology, educational studies, social policy, criminology, anthropology, psychology and social work. Around 300 undergraduates join the School each year. The School is one of the largest research active and interdisciplinary social science centres in the UK, with one half of all its research rated as either world-leading or internationally excellent in the 2008 Research Assessment Exercise. Students within the School benefit from the close links between this research activity and the teaching they receive. Studying social sciences at Cardiff means being exposed to the newest ideas within your chosen subject area.

Degree Programmes

The School offers degree programmes in Criminology, Education, Sociology, Social Science and Social Policy. The Social Science and Education degree programmes include pathways accredited by the British Psychological Society.

Criminology, Education, Social Policy and Sociology can be studied as Joint Honours, in combination with each other or with subjects in other selected departments. Various permutations are possible across a range of humanities and social science disciplines. We also offer an LLB in Law and Sociology and Law and Criminology.

Each degree programme is built around a core module in research methods, while more specialist modules provide the knowledge and understanding needed for your chosen degree programme, and a range of optional modules enable you to tailor your course to suit your own needs and interests.

Social Science

The Social Science degree provides an excellent opportunity to study on an inter-disciplinary degree programme, combining the theories and methods of separate disciplines to increase knowledge and understanding. This degree allows students to study across the social science spectrum – anthropology, criminology, education, psychology, sociology, social policy – and think outside of conventional disciplinary boundaries. Topics such as the body, childhood, crime, development, health, gender, poverty and race are studied from a variety of perspectives. Leading universities throughout the world now give special value to interdisciplinarity and the Social Science degree creates a unique context to learn how to think and research in this way.

You will have the chance to select an inter-disciplinary topic or 'pathway' as a special area of enquiry to study in greater depth, which you develop in the final two years of the degree. Your chosen pathway normally takes up a quarter of your time (or more, if you also choose to do a dissertation in this area). You choose your remaining modules from other modules taught in the School. Suggested pathways are currently available in the following areas:

- Anthropology
- Crime, Security and Justice
- European Public Policy
- Gender and Society
- Health and Medicine
- Psychology (see also BPS Pathway below)
- Social Theory
- Sociology of Education
- Work, Labour Markets and Economy

It is not required by your degree scheme that you follow a pathway, and the pathway will not appear on your final degree certificate. Nevertheless, a pathway will provide a foundation around which you can build the rest of your programme of study. This will be invaluable if you do a dissertation in your final year, and is useful when you describe your degree to potential employers.

Whichever combination you choose, we will help you to become a social scientist with a knowledge of a range of disciplines and an understanding of how they can work together. In this way you will acquire knowledge and skills which you can combine in flexible ways to meet a variety of challenges in your subsequent career.

BSc Social Sciences (BPS Pathway)

This degree programme comprises a modular pathway accredited by the British Psychological Society (BPS). The advantage of this pathway is that you study psychology along with other social sciences and adopt a social approach to psychology. To be eligible to apply to the BPS to gain Graduate Basis for Chartered Membership (GBC), students are required to: complete a



There is an emphasis on studying the processes that affect the psychological development of learners

specified number of modules covering the BPS syllabus; achieve a minimum of a 2(ii) or equivalent degree classification; and pass the empirical Psychology dissertation. This is the first step to becoming a chartered psychologist. This accreditation is essential for work in psychology professions, such as educational or clinical psychology.

Criminology

Criminology is the field of study which focuses on crime, victimisation and responses to crime and deviance. It asks questions such as:

- How do we define 'crime', 'anti-social behaviour', 'disorder'?
- Who commits crime and why?
- How are victims affected by crime and disorder?
- How fair is the criminal justice system?
- How important is 'prevention' rather than 'cure' in crime control?
- How do societies deal with new types of virtual and white-collar crime?

Criminology is both a theoretical and an empirical (fact based) subject. It has its roots in several social science disciplines, and staff adopt an interdisciplinary approach to their teaching and research. In particular, sociological, psychological and political approaches are explored in the undergraduate Criminology curriculum. The School of Social Sciences is in a unique position to offer Criminology programmes within an

interdisciplinary social sciences context. Another key advantage of studying at Cardiff is that we are one of the few institutions offering Criminology degrees at both undergraduate and postgraduate levels.

Criminology at Cardiff is set within a world-class research and teaching culture. Our undergraduate students are introduced to the challenge and excitement of being part of a research-led environment. For example, second year students participate in research projects supervised by leading Criminology staff, and final year students usually undertake a dissertation in Criminology.

Education

The Education programme is aimed at students who are interested in the sociological, psychological and political dimensions of education, as well as those who are more vocationally oriented. The School has close and mutually beneficial links with local schools, colleges, and other educational organisations.

Education studies is concerned with how people develop and learn throughout their lives, and the nature of knowledge and critical engagement with ways of knowing and understanding. It offers intellectually rigorous study of educational processes, systems and approaches, and the cultural, societal, political, historical and economic contexts within which they are embedded. It includes critical analysis of government policies and educational practices.

Social Sciences *continued*

The degree in Education allows you to study topics including: formal and informal learning, lifespan development, memory, problem solving, attention, social relations (peer collaboration, friendship groups, social identities), schooling and pedagogy, children and childhood, education policy, equality, equal opportunities, inequality and diversity based on gender, race, class, disability, sexuality differences.

Education BPS Pathway

This degree programme comprises a modular pathway accredited by the British Psychological Society (BPS). The Education BPS pathway allows you to study both the sociological and psychological aspects of Education. To be eligible to apply to the BPS to gain Graduate Basis for Chartered Membership (GBC), students are required to: complete a specified number of modules covering the BPS syllabus; achieve a minimum of a 2(ii) or equivalent degree classification; and pass the empirical Psychology dissertation. This is the first step to becoming a chartered psychologist. This accreditation is essential for work in psychology professions, such as educational or clinical psychology.

Social Policy

Social Policy is concerned with the study of social problems, and with ways of tackling them through state welfare agencies and voluntary activity. It addresses contemporary issues, such as:

- Social justice (e.g. what is the nature of the 'good' society?)
- Social inequalities and discrimination (e.g. along class/race/gender lines)
- Welfare problems (e.g. poverty, homelessness, poor health)
- Assessing the record of the welfare state in creating a better society
- Forms of welfare provision (e.g. the move from state welfare to markets and the voluntary sector)
- The impact of devolution and the European Union (e.g. policies on 'social exclusion').

Social Policy students will gain insights into the problems of handling social welfare in a modern industrial society. Our students are encouraged to develop their own critically independent views at the same time as learning how to interpret theories, evidence and policies in an objective fashion. Students also benefit greatly from the active involvement of teaching staff who act as advisers in important policy arenas both nationally and internationally.

Sociology

Sociology is one of the oldest and most prestigious social science subjects. It has provided many of the philosophical and

methodological premises for more specialised investigations into social life and culture, some of which have today become degree subjects in their own right.

These include the study of crime and deviance (Criminology), the analysis of the formation and function of the state (Social Policy), and the examination of social influences on teaching, learning and accreditation (Education). Its central aim is to cultivate in students of the discipline the 'sociological imagination' necessary to understand how individual actions and beliefs shape, and are shaped by, the social conditions of their existence, and to apply this imagination to a wide spectrum of old and new phenomena.

Every society presents us with particular expectations, opportunities and problems, and though we each respond to these in different ways, we always do so through reference to the social relationships, groups and institutions that are familiar to us. In studying how societies are reproduced and changed through people's behaviour, Sociology brings to light the complex and sometimes fragile connections that bind the individual to the collective.

Traditionally founded on an analysis of the core social influences of class, gender and race, modern Sociology has now spread and developed its field of investigation. In the School of Social Sciences, our expertise includes children, childhood and ageing, the study of sexuality, health and the body, the construction and reconstruction of identities, the rise of consumer culture, and the profound transformations to social, culture and private life which the processes of economic and technological globalisation have delivered. All these topics are taught by leading scholars in the discipline, in ways which draw on and promote both theoretical insights and robust empirical research.

Further information about the School

Joint Honours Combinations

The flexibility of the Joint Honours BA and BSc degree programmes allows you considerable choice in what you choose to study. A wide range of complementary subjects in the humanities and social sciences, as well as LLB programmes, are available. The BA and other combinations are available under the programmes listed on page 124. Further information about any of the courses we offer to Joint Honours students may be found in our School brochure, which is available from the Admissions Tutors.

Methods of Teaching & Assessment

The School prides itself on research-led teaching in which the content of all courses is based on key research carried out by staff within the School and the international academic community.

Our curriculum is regularly updated to reflect the cutting edge of each subject area. Teaching is mainly through lectures and discussion-based seminar groups. Students currently take six modules each year, including weekly lectures and fortnightly seminars. In addition, in Year One, students meet with their personal tutor fortnightly in small groups and follow a programme in which they learn how to be social scientists, develop their study skills and manage the transition into higher education. In Year Two, our students normally carry out a supervised research project, with the option of doing a supervised dissertation in their final year – which involves presenting at a dissertation conference. This fosters links between students and the important research undertaken in the School. It also gives students early experience of real research and builds skills which employers will value. Students are expected to take a good deal of responsibility for their studies outside the hours spent in lectures and seminars. This includes background reading, preparing for seminars, conducting research, completing assignments and revising. Our degree programmes are carefully designed so that students will experience a range of assessment methods, including examinations, essays, practical work, individual and group projects and presentations.

Assistance is given with independent study and lecturers and tutors will give guidance on reading and how to prepare written work (essays or other assignments). We very much value the active participation of our students in teaching and learning, and in the life of the School, through undergraduate societies such as the SOCSI Society and the Staff-Student Panel. The School prides itself on its relaxed and informal atmosphere. We value our small-group teaching and personal tutor system. They will allow you to develop close working relationships with your teachers and fellow students.

Admission Procedures

Offers of places are normally made to standard applicants on the basis of A-level results. Other applications are considered individually on a case by case basis. We do not generally interview candidates. All applicants who are offered a place in the School will be invited to an Open Day, during which there will be an opportunity to learn more about the courses, and to meet the staff and students already in the School.

Career Prospects

Graduates from the School of Social Sciences have pursued a wide range of careers. Public service remains the most popular destination, with the police, probation service, welfare and housing services, youth work, community development, counselling and advocacy work, and administration and human resource management, all recruiting former students of ours. Almost as many graduates find work in the private sector,

More online at:
www.cardiff.ac.uk/socsi

Detailed course profiles:
www.cardiff.ac.uk/courses

including finance and marketing, tourism, retail, journalism, advertising, and public relations. Helping students advance their career prospects, the School has its own Student Support and Engagement Officer, who works to improve students' wider skills and experiences in order to maximise their employability.

Studying for a degree in Social Sciences at Cardiff will equip you with the skills you need to embark on a number of possible careers. At the present time, our graduates have little difficulty in finding employment and enter an increasingly wide range of careers. For example, the Criminology degrees in Cardiff provide high quality entrants to a range of criminology-related careers in criminal justice and the fast-growing fields of community safety, crime reduction and security management. An Education degree provides an excellent basis for careers in teaching – allowing students to apply for entry on to postgraduate teacher training courses, as well as entering a variety of other occupations such as educational psychology, youth and community work, careers guidance, management, personnel work and social science research. Social Policy is a versatile degree which has direct relevance for a broad range of careers, especially those within the flexible and growing modern welfare state. It is clearly an excellent preparation for public service, and a number of our students proceed to the School's MA in Social Work.

Because of the high calibre of student attracted to Cardiff University, as well as the training in research methods that is core to our degrees, around a quarter of our students go on to postgraduate study. Among the most popular postgraduate courses are teaching training degrees, Law conversion courses, and our own MA in Social Work and MSc in Social Science Research Methods. The latter qualification is for many students a stepping-stone towards a doctorate.

Postgraduate Opportunities

The School provides a thriving centre for postgraduate teaching and research. It is also responsible for professional training in social work. In the UK Government's latest assessment of research in universities the School's work was rated as 'Excellent' in national and international terms. Research students for MPhil and PhD are accepted to work on a wide range of topics, and potential candidates are invited to apply for study in any area that falls within the remit of the School. Current research themes include: Crime, Security & Justice, Culture, Transformation & Subjectivity, Health, Wellbeing & Social Care, Innovations in Social Research, Knowledge, Science & Technology, and Work, Education & Globalisation.

The School is also notable for its strength in social theory across its fields of research, and enjoys an international reputation for methodological development and innovation, including both



Students are encouraged to study a wide range of social issues - from environmental policies to work

qualitative and quantitative methodology. Professional doctorates in Education, Health and Social Work are also available.

The School provides taught Masters degrees in the following areas: Education, Social Science Research Methods, Criminology and Criminal Justice, Advanced Social Work, Equality and Diversity, Science, Society and the Environment, Comparative Political Economy, Health and Social Psychology. In addition to the Diploma in Social Work the School also offers a one year Postgraduate Certificate in Education (PGCE) for those who wish to specialise in teaching at the post-16 levels of education (in further education and sixth-form colleges, adult education centres, continuing education centres). The School also offers professional in-service training for school managers, teachers and lecturers. Many of these courses, including the PhD, are available full or part-time.

Rosi Young Social Science

"I'd always been interested in the different social relationships people develop within groups and with each other, and decided to take Social Science at Cardiff after completing an A-Level in Sociology. The course at Cardiff allows students to look at all aspects of British and international social issues, which is exactly what I wanted in a degree. I chose Cardiff for a number of reasons, really. The University has a great academic reputation and the city itself was obviously a real advantage - there's no other city in the UK that's as vibrant, friendly and compact - and the nightlife is great!"

I'd love to carry on to do an ESRC-funded PhD here after graduating, so I can go on to lecture and research."

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

AAB-BBB: General Studies and Key Skills are excluded.

WBQ:

Single Hons Criminology: Pass in the core plus AA in two A-levels.

Other Courses: Pass in the core with AB-BB at A-level.

Int Bacc:

32-34 points.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience. Normally an overall distinction is required in BTEC National Diplomas, and Access Students must achieve distinctions in a minimum number of Level 3 credits on their course. For those considering a career in teaching, an A2 or AS-level in a National Curriculum subject is highly desirable. Demonstration of active and formal study within the last two years is very important. Please contact the Admissions Tutor for more information.

Applications Information

Typical intake: **300**

Typical number of applications: **1,600**

Admissions Tutor

If you wish to discuss your application with an admissions tutor then, in the first instance, please contact the Undergraduate Admissions Office.

Tel: (029) 2087 5122

Email: socsi-ugadmissions@cardiff.ac.uk

Welsh/Cymraeg

Degree Programmes/ UCAS Codes

Single Honours

Welsh BA

Q560

(For the part-time degree in Welsh, please contact the School directly)

Joint Honours

Welsh and another Humanities subject

(See page 124)

Honours LLB

Law and Welsh LLB

MQ15

At a Glance:

Employability/Careers

With the growing demand for a knowledge of Welsh in many fields (including the media, education, local and national government, and various fields in both the public and private sectors), a degree in Welsh or in Welsh combined with another subject provides a valuable qualification for posts requiring bilingual personnel. Many of our graduates have secured careers in law, the media, the performing arts, administration and teaching at all levels.

In 2010, around half the School's graduates were in employment within six months of graduation while a further 33% were engaged in further study with others taking time out to travel etc.

Research

In the most recent UK Government Research Assessment Exercise 85% of the School's research was rated as being of international standard.

League Tables

The School of Welsh has been ranked best in Britain for Celtic Studies in The Complete University Guide 2011.

Find Out More

For more information about the School scan the QR code with your phone, or go to:

www.cardiff.ac.uk/cymraeg

You can also download our brochure from:

www.cardiff.ac.uk/pubs/ug

Alternatively, you can obtain a brochure from the Prospectus Office: Tel: (029) 2087 4455
Email: enquiry@cardiff.ac.uk



Cardiff School of Welsh has a friendly and relaxed atmosphere. The excellence of research conducted within the School was acknowledged by the Research Assessment Exercise 2008 ratings, which placed the School within the top six academic centres of Celtic Studies in the UK. The School has also been especially commended for its facilities and the academic care it gives to its students.

Wrth ddod i astudio'r Gymraeg yng Nghaerdydd byddwch yn ymuno ag Ysgol fywiog, lewyrchus a chartrefol. Mae'n nodedig trwy Gymru am ei safonau uchel o ran dysgu ac ymchwil. Hi oedd yr adran Gymraeg gyntaf i ddysgu trwy gyfrwng y Gymraeg, ac mae ei hagwedd arloesol o ran hyfforddi myfyrwyr yn parhau hyd heddiw. Mae wedi cyfrannu'n helaeth i fywyd Cymru trwy fod yn gartref ac yn feithrinfa i ysgolheigion a llenorion amlwg, gan gynnwys WJ Gruffydd, GJ Williams a Saunders Lewis. Ceir disgrifiad Cymraeg o'r Ysgol (gan gynnwys manylion pellach am fodiwlau iaith-gyntaf y flwyddyn gyntaf) yn y prospectws Cymraeg – i sicrhau copi ohono anfonwch ebost at enquiry@caerdydd.ac.uk neu ffoniwch Swyddfa'r Ysgol: (029) 2087 4455. Cofiwch hefyd fod y manylion llawnaf a diweddaraf am ein cyrsiau ar gael ar ein gwefan (www.caerdydd.ac.uk/cymraeg).

In its teaching and research the School has forged close links with the community. Both its courses and research reflect the growth in the demand for Welsh. The School enjoys particularly close links with St Fagans National History Museum and has developed innovative modules in the field of Welsh ethnology. Furthermore, as Cardiff is the main centre for the media in Wales it is natural that the School should offer an option in its degree programmes on writing for the media.

A recent innovation has been the introduction of work experience as an integral part of the School's undergraduate programmes. Students have been offered placements in a variety of fields, including the media, education, and the National Assembly.

Note

For additional information on degrees in humanities and social studies subjects, please also see page 122.

Year One

The School offers a range of first- and second-language modules that are available to all Year 1 students who satisfy the School regarding their linguistic ability. Students will normally study at least one other subject during their first year (which may be the other subject in a Joint Honours programme or a subsidiary subject chosen at the beginning of the first semester).

For those who intend to graduate in Welsh, first-language students will normally study four double modules that concentrate on the language itself, on writing skills, on literature of different periods, and on Wales and its culture.

Second-language students will take four double modules that form a specialised second-language route. Two of these modules are language-based: 'Sgiliau Cyfathrebu' ('Communication Skills') and 'Cwrs Gloywi' ('Improving Language Skills'). Two others are literature-based: 'Hanes Llenyddiaeth Gymraeg' ('The History of Welsh Literature') and 'Llenyddiaeth Gymraeg Fodem' ('Modern Welsh Literature').

In order to develop students' confidence in using Welsh and to establish Welsh from the first as the natural language used in the School, additional opportunities to use the language are provided for second-language students at the beginning of the Autumn semester. The School also makes use of the latest computer software to develop language skills and each student receives additional support as part of a Personal Development plan.

Years Two and Three

You will find the full range of modules in the School's handbook and on our website. For the Single Honours programme you will be required to take a number of core modules, together with a variety of literary and/or language options. The literary options cover the early, medieval and modern periods; the language options include the sociology of Welsh, language planning and topics relating to linguistic variation, both social and geographical. An attractive feature of the Cardiff programme is its flexibility; you may specialise in literary studies, medieval or modern, or in language studies, or you may take a combination of modules reflecting your own particular academic interests and vocational needs.

Joint Honours

If you wish to combine the study of Welsh with other subjects, you will normally follow the same Year One modules as outlined above. For Years Two and Three, however, you will select an equal number of options from the Welsh degree programme and from the other subject that you elect to study.

For further information about the Joint Honours degree programmes see page 124.

Law and Welsh

This innovative Honours degree course aims to produce graduates qualified to employ their legal knowledge through the medium of Welsh as well as English. The degree meets the requirements of the professional bodies in relation to proceeding to qualification as a solicitor or a barrister, while also allowing students to pursue interests of a linguistic or literary nature. Applicants for this programme will normally be expected to have studied Welsh to A-level standard (first language) (see also Cardiff Law School entry on page 90).

Beginners

The School offers a language course for beginners consisting of two double modules. Two double modules are also offered to those who have GCSE Welsh as a second language. These do not lead to a degree in Welsh, but students studying another subject can often study these as a component part of their degrees.

Methods of Teaching and Assessment

The formal methods of teaching are the same for Year One and Years Two and Three. They consist mainly of lectures and seminars, although the School also uses a variety of electronic teaching methods. You will also have individual tutorials to discuss essays and written work, and the study skills required at university level will be given special attention in the Year One modules. Modules are usually assessed either by coursework or written examinations or a combination of both. Some modules may be assessed by dissertation, portfolio or oral examination.

Admissions Procedures

For the BA Single Honours Welsh programme we normally ask for grades ABB although every application will be considered on an individual basis. The requirements of the Joint Honours programmes vary; please contact the School for further information. Once you have applied, you will usually be invited to visit the School, where you will be given an opportunity to meet students and staff to see for yourself what Cardiff University and the School of Welsh have to offer.



The use of computers and IT is integrated into teaching at Cardiff

Scholarships

The School has a number of scholarships for which a two-hour examination is held in March, either in the School of Welsh or at the candidate's own school. Further details, including examples of past papers, are to be found on the School's website, or may be obtained by contacting the School directly.



Eleri Mair Jenkins
Welsh

"I have always been interested in Welsh literature and it was my favourite subject at school. I chose to study Welsh at Cardiff because the School of Welsh is definitely the best in Wales due to its wide range of module choices and the expertise of the staff. The quality of the teaching is extremely high and, because it's relatively small, the students and staff get to know each other well, which is great when it comes to lectures and seminars. I also chose Cardiff because it is an excellent city with so many things to offer students including a great student nightlife! I enjoy socialising with members of 'Y Gym Gym' (the Welsh Society) and Clwb Ifor Bach (the Welsh Club) is great on a Saturday night. I also enjoy singing and competing with Aelwyd y Waun Ddyfal (Cathays Youth Choir)."

Admissions Information

For detailed entry requirements and latest typical offers please see:
www.cardiff.ac.uk/ugcourses

Typical Entry Requirements

A-level:

Single Honours: ABB including Welsh.

Joint Honours: BBB-AAA including at least grade B in Welsh. Must usually include at least grade B in Welsh for first language students, or grade A in Welsh for second language students to study Single or Joint Honours Welsh. Two AS subjects may be considered in lieu of a third A-level.

WBQ:

We welcome applications from students offering the Welsh Bacc and a typical offer will normally incorporate the core plus AB at A-level including Welsh.

Int Bacc:

30 points including at least 5 in Welsh at Higher Level.

Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience.

Other requirements

There are no specific subjects required, however A levels must include a minimum of 2 traditional academic subjects. Please check School website for more information. General Studies is not accepted.

GCSE: English or Welsh at grade C.

Applications Information

Typical intake: **35**

Typical number of applications: **130**

Admissions Tutor

Dr Simon Brooks

Tel: (029) 2087 4843

Email: cymraeg@caerdydd.ac.uk



Further Information

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Find Out More Online

Visit our website for more information on:

- Degree Programmes
- Application
- Admissions and Selection Criteria
- Preliminary/Foundation Courses
- Fees and Funding
- Open Days

www.cardiff.ac.uk/undergraduate



Important Information about Degrees in the Humanities and Social Studies

Cardiff offers a diverse and exciting range of Humanities and Social Studies degrees. The degree programmes are designed to maximise student choice and flexibility. They provide a wide range of options in both Single and Joint Honours degrees and offer BA students the benefit of studying additional subject(s) in their first year. From Archaeology and English Literature to French and Philosophy, there are many possible subject combinations. The aim is to provide a stimulating academic environment in which you can tailor your degree to suit your individual interests and career aspirations.

The BA Degrees and Associated BScEcon and BSc Degrees

The Humanities and Social Studies degrees offered at Cardiff are taught by the following academic schools:

- English, Communication and Philosophy
- European Languages, Translation and Politics
- History, Archaeology and Religion
- Journalism, Media and Cultural Studies
- Music
- Welsh

BA Degrees: Structure and Flexibility

Year One

Once you have been accepted by an academic school, you are guaranteed a place to study the subject(s) which you nominated in the choices section of your UCAS application. You will normally study three subjects in Year One. If you choose to do a Single Honours degree programme, you will study your chosen subject plus two additional subjects in your first year. If you choose to do a Joint Honours degree programme, you will study your chosen subjects plus one other subject in your first year. There are

some exceptions to this e.g. students taking Japanese and another foreign language spend half of their time in the first year studying each language.

A huge range of choice is available. You should be aware that an academic school may strongly recommend an especially appropriate second subject for a particular degree programme.

Year Two and Final Year

In Year Two and the Final Year you continue to study the Single or Joint Honours subject(s) you originally chose when applying through UCAS. However, you may wish to change your degree programme choice in some way by, for example, changing from Single to Joint Honours or vice versa, or by continuing to study one or both of your additional subject(s) from Year One by following a different degree programme. This may be possible providing you have achieved the necessary academic requirements and providing you have obtained the approval of the heads of the appropriate academic schools.

Assessment

The Honours modules which contribute to your final degree are taken in Year Two and the Final Year. However, in modern foreign languages, second year language modules do not contribute

to the final degree assessment. Students taking modern foreign language(s) spend their third year in the relevant country or countries and do not take Honours modules in that year. A year abroad is taken if you are studying French, German, Italian, Spanish, or Japanese.

How do I apply?

- Using this prospectus, choose the degree programme (Single Honours or Joint Honours) which you want to study.
- Enter this degree programme (for example, V100 History) in the choices section of your UCAS application.
- **In your first year, you normally study three subjects**, e.g. French, Cultural Criticism and Politics.
 - a) Select the subject(s) for the choices section of your UCAS application from the list below (under the heading BA Degrees: Subject Options in Year One).
 - b) Choose the additional subject(s) you would like to study in Year One. Please remember you can only choose one subject from each group.

BA Degrees: Subject Options in Year One

Your three subjects for Year One can be chosen from any listed in groups A-H below, but you can choose only one subject from each group. (Subject codes shown in brackets).

GROUP A	See Page:
English Literature (EL)	73
Politics (PO)	77
Ancient (Hellenistic) Greek (AHG)	84
Classical Hebrew (CH)	84
Sanskrit (SA)	84
Maths (α) (MA)	93
GROUP B	
Education (ED) #	114
History (HI) Ω**	84
Cultural Criticism (CC)	73
Maths (β) (MA)	93
GROUP C	
French (FR)	77
Religious Studies (RS)	84
Communication (CO)	73

GROUP D	
Ancient History (AH)	84
Economics (EC)	45
English Language (LC)	73
Theological Studies (ThS)	84
GROUP E	
German (GE)	77
Philosophy (PH)	73
Welsh A (Route 1) ■ (WA1)	118
Welsh A (Route 2)+ (WA2)	118
GROUP F	
Archaeology A (AA)	84
Music (MU)	99
Spanish (SP)	77
Journalism, Media and Cultural Studies (JFM) Ω	88

GROUP G	
History (HI) Ω*	80
Italian (IT)	77
Medieval and Renaissance English Literature (MREL)	73
Sociology #	114
Maths (α) (MA)	93
GROUP H	
Welsh A (Route 1) ■ (WA1)	118
Welsh A (Route 2) + (WA2)	118
Welsh B ^ (WB3)	118
Archaeology B (AB)	84
Japanese (JA)	50
Maths (β) (MA)	93

- α core maths modules
 - β maths options
 - for those with Welsh as a first language
 - + for those with Welsh as a second language
 - ^ Beginners' Welsh
 - Ω Owing to timetabling constraints History and Journalism cannot be taken together.
 - # Some students may be unable to take Education or Sociology as an additional subject owing to timetabling constraints.
 - * History modules HS1104 and HS1110
 - ** History modules HS1101, HS1105 and HS1107
- These groupings are accurate at the time of going to press and may be subject to change.

BScEcon Degrees: Subject Options in Year One

See Page:

Cultural Criticism	73
Economics	45
Education	114
English Language	73
European Union Studies	77
History	84
Philosophy	73
Politics	77
Religious Studies	84
Sociology	114
Welsh A (Route 1)*	118
Welsh A (Route 2)+	118
Welsh B ^	118

* for those with Welsh as a first language
 + for those with Welsh as a second language
 ^ Beginners' Welsh

In the summer you will be sent a leaflet directing you to the University website where you will find all the enrolment information you need, including the **Humanities and Social Studies Year One Enrolment & Subject Guide**. It is very important that you read the Guide before coming to Cardiff.

It gives you essential information both on academic subjects and on enrolment. Studying the Guide beforehand will give you the necessary time to think about your choice of additional subjects. You will need to check whether either of these additional subjects (or one subject if you are intending to study a Joint Honours degree) requires any specialist knowledge. To take a Music option, for example, musical knowledge is required. You can check the requirements by reading the academic school entry carefully.

An essential part of your enrolment at Cardiff University is a meeting with your personal tutor to discuss and confirm the additional subject(s) which you have selected. You should not enrol on any modules online until you have seen your personal tutor and attended Humanities and Social Studies enrolment.

The BA Joint Honours degree programmes that are available are listed on the following pages. For further details of all BA Single and Joint Honours degree programmes, please see appropriate academic school entries.

The BScEcon Single Honours degree programmes are:

Degree Programme/UCAS Code

Modern History and Politics*
LV21 BScEcon/PH

Politics
L200 BScEcon/P

* Integrated Single Honours programme.

Notes

1. Social Sciences (including Education)

Please see the entry for Cardiff School of Social Sciences for details of Joint Honours degrees with History, Journalism, Philosophy, Politics, Religious Studies and Welsh.

2. Law

Please see the entry for Cardiff Law School for details on combined law degrees with French, German, Politics and Welsh.

Transfer to BScEcon

It is possible to transfer to a BScEcon degree at the end of Year One. To do so, you must normally have studied the relevant subject(s) in Year One and obtained the approval of the head of the appropriate academic school.

BScEcon Degrees: Structure and Flexibility

Year One

You study six double modules chosen from the modules offered in the subject areas listed above, under the heading 'BScEcon Degrees: Subject options in Year One'. To continue to Single Honours or Joint Honours level, you are normally required to take certain core modules in Year One. Details and guidance are available in the relevant academic school entry and from the listed Admissions Tutors.



There is a wide range of BA and BScEcon Joint Honours degree programmes

Year Two and Final Year

In Year Two and the Final Year you continue to study the Single or Joint Honours subject(s) you originally chose when applying through UCAS. However, you may wish to change your degree programme in some way, by, for example, changing from a Single to Joint Honours or vice versa. This may be possible providing you have achieved the necessary academic requirements and providing you have obtained the approval of the head of the appropriate academic school.

The Honours modules which contribute to your final degree are taken in Year Two and the Final Year. The BScEcon Joint Honours degree programmes which are available are listed on the following pages.

For further details of all BScEcon Single and Joint Honours degrees, please see appropriate academic School entries.

Transfer to BA

It is possible to transfer to a BA degree at the end of Year One. To do so, you must normally have studied the relevant subject(s) in Year One and obtained the approval of the head of the appropriate academic school.

BSc Degrees

The following BSc degrees are available in Humanities and Social Studies:

- BSc Archaeology
- BSc Conservation of Objects in Museums and Archaeology.

Joint Honours Degree Programmes (BA and BScEcon)

Joint Honours degree programmes entail studying two subjects in equal proportions throughout your period of study at Cardiff. Select a subject from those highlighted and look beneath it to choose another subject which can be combined with it. For each Joint Honours programme, the UCAS codes are listed alongside.

Ancient History and:		
English Literature	QV31	BA/AHEL
French	RV11	BA/AHF
German	RV21	BA/AHG
History	V117	BA/AHH
Italian	RVJ1	BA/AHI
Philosophy	VV51	BA/AHPh
Religious Studies	VVQ1	BA/AHRS
Spanish	RV4C	BA/AHSp
Welsh	QVM1	BA/AHW

Archaeology and:		
English Literature	QV34	BA/AEL
French	RV14	BA/AF
German	RV24	BA/AG
History	VV14	BA/AH
Italian	RV34	BA/AI
Philosophy	VV54	BA/APh
Religious Studies	VV64	BA/ARS
Welsh	QV54	BA/AW

Economics and:		
French	RL11	BA/EcF
German	RL21	BA/EcG
History	VL11	BA/EcH
Italian	RL31	BA/EcI
Philosophy	VL51	BA/EcPh
Politics	LL12	BScEcon/PE
Spanish	LR14	BA/EcSp

Education and:		
Welsh*	QX53	BA/EdW

English Language and:		
English Literature	Q390	BA/ELLS
French	QR31	BA/FLS
German	QR32	BA/GLS
Italian	QR33	BA/ILS
Philosophy	QV35	BA/LSPH
Spanish	QR3K	BA/LSSp
Welsh*	QQ35	BA/LSW

English Literature and:		
Ancient History	QV31	BA/AHEL
Archaeology	QV34	BA/AEL
English Language	Q390	BA/ELLS
French	RQ13	BA/ELF
German	RQ23	BA/ELG
History	VQ13	BA/ELH
Italian	RQ33	BA/ELI
Journalism, Media	LP65	BA
Music	WQ33	BA/ELMu
Philosophy	VQ53	BA/ELPh
Religious Studies	VQ63	BA/ELRS
Spanish	QR34	BA/ELSp
Welsh	QQ53	BA/ELW

French and:		
Ancient History	RV11	BA/AHF
Archaeology	RV14	BA/AF
Economics	RL11	BA/EcF
English Language	QR31	BA/FLS
English Literature	RQ13	BA/ELF
German	RR21	BA/FG
History	VR11	BA/FH
Italian	RR31	BA/FI
Japanese	TR21	BA/FJ
Mathematics	GR11	BA/FPM
Music	WR31	BA/FMu
Philosophy	VR51	BA/FPh
Politics	LR21	BA/FPh
Spanish	RR14	BA/FSp
Welsh*	QR51	BA/FW

German and:		
Ancient History	RV21	BA/AHG
Archaeology	RV24	BA/AG
Economics	RL21	BA/EcG
English Language	QR32	BA/GLS
English Literature	RQ23	BA/ELG
French	RR21	BA/FG
History	VR12	BA/GH
Italian	RR32	BA/GI
Japanese	TR22	BA/GJ
Mathematics	GR12	BA/GPM
Music	WR32	BA/GMu
Politics	LR22	BA/GPh
Religious Studies	VR62	BA/GRS
Spanish	RR24	BA/GSp
Welsh*	QR52	BA/GW

History and:		
Ancient History	V117	BA/AHH
Archaeology	VV14	BA/AH
Economics	VL11	BA/EcH
English Literature	VQ13	BA/ELH
French	VR11	BA/FH
German	VR12	BA/GH
Italian	RV31	BA/HMu
Music	WV31	BA/HMu
Philosophy	VV15	BA/HPh
Religious Studies	VV61	BA/HRS
Sociology	LV31	BA/HS
Spanish	RV41	BA/HSp
Welsh	QV51	BA/HW

Italian and:		
Ancient History	RVJ1	BA/AHI
Archaeology	RV34	BA/AI
Economics	RL31	BA/EcI
English Language	QR33	BA/ILS
English Literature	RQ33	BA/ELI
French	RR31	BA/FI
German	RR32	BA/GI

History	RV31	BA/HI
Japanese	TR23	BA/IJ
Music	WR33	BA/IMu
Philosophy	VR53	BA/IPh
Politics	LR23	BA/IPol
Religious Studies	VR63	BA/IRS
Spanish	RR34	BA/ISp
Welsh	QR53	BA/IW

Japanese and:		
French	TR21	BA/FJ
German	TR22	BA/GJ
Italian	TR23	BA/IJ
Spanish	TR24	BA/JSp

Journalism, Media and:		
English Literature	LP65	BA
Sociology	LP35	BA/SJFM

Mathematics(2) and:		
French	GR11	BA/FPM
German	GR12	BA/GPM
Music	GW13	BA/MuPM
Philosophy	GV15	BA/PhPM
Religious Studies	VG61	BA/PMRS
Welsh	QG51	BA/PMW

Modern History and:		
Politics (integrated Single Honours degree programme)	LV21	BScEcon/HP

Music and:		
English Literature	WQ33	BA/ELMu
French	WR31	BA/FMu
German	WR32	BA/GMu
History	WV31	BA/HMu
Italian	WR33	BA/IMu
Mathematics	GW13	BA/MuPM
Philosophy	VW53	BA/MuPh
Religious Studies	VW63	BA/MuRS
Welsh	QW53	BA/MuW

Philosophy and:		
Ancient History	VV51	BA/AHPh
Archaeology(1)	VV54	BA/APh
Economics	VL51	BA/EcPh
English Language	QV35	BA/LSPH
English Literature	VQ53	BA/ELPh
French	VR51	BA/FPh
History	VV15	BA/HPh
Italian	VR53	BA/IPh
Mathematics	GV15	BA/PhPM
Music	VW53	BA/MuPh
Politics	LV25	BA/PhPol
Religious Studies	VV65	BA/PhRS
Sociology	LVH5	BA/PhS
Spanish	RV45	BA/PhSp
Welsh*	QV55	BA/PhW

Politics and:

Economics	LL12	BScEcon/PE
French	LR21	BA/FPol
German	LR22	BA/GPol
Italian	LR23	BA/IPol
Modern History†	LV21	BScEcon/HP
Philosophy	LV25	BA/PhPol
Religious Studies	VL62	BA/PolRS
Sociology	LL32	BScEcon/PS
Spanish	LR24	BA/PolSp
Welsh	QL52	BA/PolW

†Modern History and Politics is an integrated Single Honours degree programme.

Religious Studies and:

Ancient History	VVQ1	BA/AHRS
Archaeology	VV64	BA/ARS
English Literature	VQ63	BA/ELRS
German	VR62	BA/GRS
History	VV61	BA/HRS
Italian	VR63	BA/IRS
Mathematics	VG61	BA/PMRS
Music	VV63	BA/MuRS
Philosophy	VV65	BA/PhRS
Politics	VL62	BA/PolRS
Sociology	LV36	BA/RSS
Spanish	RV46	BA/RSSp
Welsh	QV56	BA/RSW

Sociology and:

History	LV31	BA/HS
Journalism, Media	LP35	BA/JFS
Philosophy	LVH5	BA/PhS
Politics	LL32	BScEcon/PS
Religious Studies	LV36	BA/RSS
Welsh*	QL53	BA/SW

Spanish and:

Ancient History	RV4C	BA/AHSp
Economics	LR14	BA/ECSp
English Language	QR3K	BA/LSSp
English Literature	QR34	BA/ELSp
French	RR14	BA/FSp
German	RR24	BA/GSp
History	RV41	BA/HSp
Italian	RR34	BA/ISp
Japanese	TR24	BA/JSp
Philosophy	RV45	BA/PhSp
Politics	LR24	BA/PolSp
Religious Studies	RV46	BA/RSSp
Welsh	QR54	BA/SpW

Welsh and:

Ancient History	QVM1	BA/AHW
Archaeology	QV54	BA/AW
Education*	QX53	BA/EdW
English Language	QQ35	BA/LSW
English Literature	QQ53	BA/ELW
French	QR51	BA/FW
German*	QR52	BA/GW
History	QV51	BA/HW
Italian	QR53	BA/IW
Mathematics*	QG51	BA/PMW

Music	QW53	BA/MuW
Philosophy*	QV55	BA/PhW
Politics	QL52	BA/PolW
Religious Studies	QV56	BA/RSW
Sociology	QL53	BA/SW
Spanish	QR54	BA/SpW

* Timetabling and other restrictions mean it will not be possible for students who have studied Welsh as a second language to take these Joint Honours combinations.

(1) Students taking Joint Honours Maths may find their subject choices limited in the second and final years.

In addition to the Joint Honours degree programmes in the Humanities and Social Studies listed above, the University also offers Integrated and Joint Honours degree programmes in the following areas:

	page
Accounting and Economics BScEcon	45
Accounting and Management BScEcon	45
Business Management and Finance BSc	45
Business Studies and Japanese BSc	50
Computing and Mathematics BSc	56/93
Criminology and Social Policy BScEcon	114
Criminology and Sociology BScEcon	114
Economics and Management Studies BScEcon	45
Education and Criminology BScEcon	114
Education and Social Policy BScEcon	114
Education and Sociology BScEcon	114
Law and Criminology LLB	90/114
Law and French LLB	90/77
Law and German LLB	90/77
Law and Politics LLB	90/114
Law and Sociology LLB	90/114
Law and Welsh LLB	90/118
Mathematics and Physics BSc	93/108
Physics with Music BSc	99/108
Social Policy and Sociology BScEcon	114



Part-Time Study

The programmes listed in this prospectus are all taught on a full-time basis. However, some are also available on a part-time basis (course codes – where applicable – appear in brackets):

- BA Ancient History
- BA Ancient History and Medieval History
- BA Archaeology
- BA Archaeology and Ancient History
- BA Archaeology and Medieval History
- BA English Language (Q319)
- BA English Language and Communication (PQHC)
- BA English Literature (Q309)
- BA History
- BA Welsh (Q529)
- BN/Dip HE Nursing (Conversion)
- BSc Intra & Perioperative Practice
- BSc Occupational Therapy
- BSc/Grad Dip Clinical Practice
- BSc/Grad Dip Community Health Studies
- BSc/Grad Dip in Nursing Studies
- BSc/Grad Dip Nursing Children and Young People with Cancer
- BTH Theology
- Certificate in Dental Nursing
- Diploma of HE in Healthcare
- Graduate Certificate in Education (PCET) In-Service

Specific details about these programmes (eg time commitment) are available from the Admissions Tutor in the appropriate School (contact details are listed in each School entry of this prospectus). If you wish to study part-time you should apply directly to the University (and not UCAS) and your application will be considered by the relevant Admissions Tutor.

You can apply online at: www.cardiff.ac.uk/apply

Further advice is available by contacting the Admissions Office:

Tel: (029) 2087 9999

Email: admissions@cardiff.ac.uk

Part-Time Courses

Cardiff Centre for Lifelong Learning provides a wide range of part-time day and evening courses. For more information please contact the Centre: Tel: (029) 2087 0000

Web: www.cardiff.ac.uk/learn

Joint Honours degree programmes entail studying two subjects in equal proportions throughout your period of study at Cardiff

English Language Programmes

The Communications and International Relations Division houses Cardiff University's official English language teaching centre for international students. We offer a variety of courses to prepare you for your degree programme and we also continue to provide language and study support during your undergraduate studies.



The University's English Language Programmes Office provides a range of courses

The Bridge Programme is a full-time English language and study skills course designed to improve your English language level and to equip you with the skills needed to successfully complete your chosen degree programme. Modules include: English language skills; study skills; professional skills; exam strategies; and academic orientation. To cater for different student needs and levels, the Bridge Programme has several entry points: September (minimum entry IELTS 4.0), January (minimum entry IELTS 4.5) and April (minimum entry IELTS 5.5). To comply with UKBA Tier 4 regulations, students must have a minimum of IELTS 4.0 in each sub score.

Web: www.cardiff.ac.uk/elt/bridge

The Pre-Sessional English Course is an intensive summer programme in English for academic purposes for students with an offer letter from Cardiff University. The course syllabus includes English language skills, study skills, exam strategies and the academic information and training you need to successfully complete your degree programme. The course is available for 8 or 10 weeks between June and September.

Your School may advise you on which course is best for you. Minimum entry: IELTS 6.0., (with a minimum of 4.0 in each sub score).

Web: www.cardiff.ac.uk/elt/presessional

Language Support Throughout Your Studies

Taking a University course means that you will need to meet the demands of lectures, seminars and assignments. If English is not your first language, you may find these difficult tasks even more challenging. The University offers a variety of in-session English language and study skills courses specially designed to help our international students succeed. The In-session Programme provides language support for full-fee paying international students.

Sessions available include:

Listening to Lectures and Taking Notes, Pronunciation, Reading Strategies, Academic Writing, One-to-One Writing Tutorials, Presentation Skills and Seminar Skills. Please check our website for further details:

Web: www.cardiff.ac.uk/elt/insessional



The in-session programme provides language and academic support during your studies

For further information on any of the English Language Programmes please contact:

The English Language Programmes Office
Communications and International Relations
Cardiff University, Deri House
2-4 Park Grove, Cardiff CF10 3PA, Wales, UK

Tel: +44(0)29 2087 6587

Fax: +44(0)29 2087 6141

Email: elt@cardiff.ac.uk

International Foundation Programme

More online at:
www.cardiff.ac.uk/international

This is a one-year academic course which is designed to give students the required academic and English language skills to enter a variety of degree programmes at Cardiff University.

The programme is available in the following subject areas:

- Business
- Engineering
- Health and Life Sciences

All students who pass the Foundation Programme in Business or Engineering with a merit in each module are guaranteed a place on their selected degree programme at Cardiff University. All students who pass the Foundation programme in Health and Life Sciences with a merit in each module are guaranteed a place on a variety of degree programmes in Cardiff School of Biosciences. Progression to other degree programmes at Cardiff will be subject to application and interview.

All Foundation Programme students are taught on campus by University staff and are full members of Cardiff University, and as such will benefit from the excellent library, computing, sporting and welfare facilities that Cardiff offers. Students are also guaranteed a place in University-owned accommodation for the duration of their studies at Cardiff and are supported by International Foundation Office staff, International Student Advisers and their own Personal Tutor.

Course Content

We have designed this programme to give students a solid foundation in their chosen subject area, as well as to give them the best possible information and assistance for their time as a student in the UK. Students will study a mixture of academic modules related to their intended degree programme, supported by further modules in English language and study skills.

Entry Requirements

Applications are welcomed from non-European students who have successfully completed their secondary education at a level equivalent to 12th grade and who have an IELTS score of 5.5 (with a minimum of 4.0 in each sub score) If you have any questions about the suitability of your qualifications please contact the Foundation Programme staff in the Communications and International Relations Division and we will be very happy to help.

Our email address is: foundation@cardiff.ac.uk

How to Apply

Please check our website for details of how to apply online. We will need to see:

- Transcripts of your schooling so far
- English Language test results
- An academic reference – If you are unable to send any of this information you can still apply, but your application may be delayed until we receive these details.

Tuition Fees

Tuition fees for the year 2012/2013 are £10,100. Estimated living expenses for 2011/2012 were £6,600 which included accommodation, food, books and everyday outgoings.

Further Information

We understand that your choice of foundation programme is very important to both you and your family and we are here to answer any questions that you have. You are very welcome to contact us at any time and we will provide information, help and advice on any matter concerning living and studying in Cardiff. For further information please contact the:

International Foundation Programme Office
 Cardiff University
 Deri House
 2-4 Park Grove
 Cardiff CF10 3PA
 Wales, United Kingdom
 Tel: +44 (0)29 2087 6416
 Fax: +44 (0)29 2087 6591
 Email: foundation@cardiff.ac.uk

or visit our website at: www.cardiff.ac.uk/ifp



Students study a range of degree programme related modules, along with English language/study skills modules



Foundation Programme students receive full support throughout the programme



Students from over 100 countries are represented on campus

Preliminary Year Programmes

Programmes/UCAS Codes

Biochemistry BSc (page 38)

(Biomedical 4yr Prelim Yr) C74C
(Biomedical 5yr Prelim & Prof Yr) CR41
(Biological 4yr Prelim Yr) C741
(Biological 5yr Prelim & Prof Yr) C74D

Biology BSc (page 38)

(4yr Prelim Yr) C102
(5yr Prelim Yr & Prof Yr) C103

Biomedical Sciences BSc (page 38)

(4yr Prelim Yr) B900
(5yr Prelim & Prof Yr) B901
(Physiology 4yr Prelim Yr) BCC7
(Physiology 5yr Prelim & Prof Yr) B120
(Anatomy 4yr Prelim Yr) BC17
(Anatomy 5yr Prelim & Prof Yr) BCD7

Genetics BSc (page 38)

(4yr Prelim Yr) C402
(5yr Prelim & Prof Yr) C403

Microbiology BSc (page 38)

(4yr Prelim Yr) C502
(5yr Prelim & Prof Yr) C503

Molecular Biology BSc (page 38)

(Biomedical 4yr Prelim Yr) CB79
(Biomed 5yr Prelim & Prof Yr) C706
(Biological 4yr Prelim Yr) C762
(Biological 5yr Prelim & Prof Yr) C763

Zoology BSc (page 38)

(4yr Prelim Yr) C302
(5yr Prelim & Prof Yr) C303

Biotechnology BSc (page 38)

(5yr Prelim & Prof Yr) J702

Chemistry BSc (page 51)

(4yr Prelim Yr) F105

Dentistry BDS (page 59)

(6yr Prelim yr) A204

Earth Sciences BSc (page 62)

(4yr Prelim Yr) F641

Engineering BEng (page 66)

(4yr Prelim Yr) H101

Medicine MBBCh (page 95)

(6yr Prelim Yr) A104

Physics BSc (page 108)

(4yr Prelim Yr) F301



Able students may not have the appropriate A-levels/AS-levels to enter the first year of a science degree programme. The Preliminary Year provides these students with the academic background they will need for a science degree.

The Preliminary Year programme includes modules in Biosciences, Chemistry, Maths and Physics. The particular modules studied depend on each student's academic background and the requirements of their chosen degree subject, and will be agreed through discussion with staff at enrolment. On successful completion of the Preliminary Year, students automatically progress into the first year of their chosen degree programme. Students admitted to one of the Biosciences degree programmes can change their intended degree within Biosciences at the end of the Preliminary Year if their interests have changed, for example from Microbiology to Ecology.

It is possible to study the Preliminary Year programme on a part-time basis over two or three years. The science and maths modules are taught in the daytime at Cardiff University.

The Cardiff Schools of Medicine and Dentistry offer Foundation Year programmes. Students are taught alongside those enrolled on the

Preliminary Year in science. The School of Engineering offers a separate Foundation Year programme.

Students seeking admission to a degree programme incorporating a Preliminary or Foundation Year should apply via UCAS (see course codes, left). All candidates must satisfy the appropriate Admissions Tutor as to their competence to pursue a degree programme. The Preliminary Year is not normally a route for students who have failed to achieve the required grades in their A-levels.

For admissions enquiries please contact the appropriate Admissions Tutor. Contact details can be found on the main subject pages - see page numbers listed in box, left. For general enquiries please contact the Preliminary Year Co-ordinator:

Dr Henrietta Standley
Tel: (029) 2087 6735
Email: StandleyHJ@cardiff.ac.uk

ERASMUS

Erasmus programmes are an opportunity for you to study for up to 12 months in Europe with a partner university. Erasmus students are awarded a grant while on placement. Erasmus is an excellent way to enhance your CV, improve your

language skills and immerse yourself in another culture. For more information please visit our website at:

Web: www.cardiff.ac.uk/erasmus

How to Apply

Applications for all full-time undergraduate programmes of study at Cardiff should be made through UCAS.

Applications are made online via the UCAS website: www.ucas.com/apply. The UCAS website provides information on how to apply and explains the application procedure. You are advised to consult this information carefully before completing your application. Applications from UK/EU applicants should be made by 15 January 2013 (or 15 October 2012 for Dentistry and Medicine courses). However, late applications may be considered after this date at the relevant school's discretion.

The Cardiff University UCAS code is C15 CARDF and degree programme codes are listed in this prospectus.

Admissions

We welcome applications from all students with the potential to succeed at this university. We are seeking to admit students whose potential to benefit from our research-led learning and teaching can be demonstrated through a range of qualifications and achievements. You will need to satisfy the relevant admissions tutor that you have achieved or will achieve the necessary academic and non-academic criteria required for the programme of study. We aim not to exclude able candidates who have not followed a focused programme of study. Applications are considered on their individual merits.

The Typical Entry Requirements listed in this Prospectus are stated in terms of A-levels, International and Welsh Baccalaureate. However, we welcome applications from those offering alternative qualifications. In many cases, typical offers for these qualifications are listed on our website. We will also consider applications from those with combinations of qualifications and those with other relevant life/work experience.

Admissions and Selection Criteria

Each academic school publishes detailed criteria that provide you with more information about entry requirements, typical offers and selection criteria. You are advised to consult the criteria for both academic schools if you are applying for a joint honours programme. For further information please visit:

Web: www.cardiff.ac.uk/applyingtocardiff

Each academic school has Admissions Tutors who are able to give applicants guidance. Contact details are listed in the School entries of this prospectus.

Admissions Policies and Procedures

For further information about applying to Cardiff and the University's admissions policies and procedures please visit:

Web: www.cardiff.ac.uk/applyingtocardiff

or contact the Admissions Office:

Email: admissions@cardiff.ac.uk

Tel: 029 2087 9999

Deferred Entry

Most academic schools will consider applications from those wishing to defer entry for a year. We ask that this be clearly indicated, with your reasons for deferral, on your application.

International Applicants

Applications from overseas applicants will be accepted by UCAS between 1 September 2012 and 30 June 2013 (or 15 October 2012 for Dentistry and Medicine). It is recommended that you apply as early as possible, as some courses have limited spaces. Further information for international candidates can be found on page 30.

Applicants for Healthcare Courses

Medical Check

If you are planning to study a healthcare course, you will be required to have a medical check prior to starting your course. The Occupational Health Service oversees this screening process.

Criminal Records Check

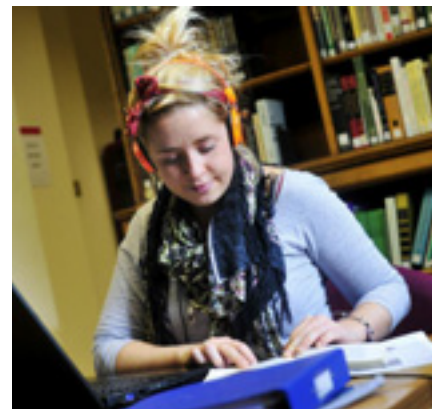
Admission to healthcare courses is subject to the Rehabilitation of Offenders Act (1974) Section 4(2)(Exemption) Order 1975 and DHSS Circular HV (88)9 guidelines regarding child protection and police checks. Placements for these programmes are also defined as regulated settings within the Safeguarding Vulnerable Groups Act 2006. Therefore, if you intend to apply, you will be required as a condition of a registration/admission to provide a satisfactory Criminal Records Bureau (CRB) disclosure.

Welsh Baccalaureate Advanced Diploma

Cardiff University accepts the Welsh Baccalaureate (WBQ) Advanced Diploma for admission to all of its undergraduate degree programmes. If you are taking the WBQ Advanced Diploma, and the University decides to make you an offer for study on any of its programmes, the offer will be based on a pass in the Core plus specified grades and subjects, where applicable, in the Options.

If you are offering the WBQ Advanced Diploma with 2 A-levels, any offer you are made will include the WBQ Advanced Diploma with a pass in the Core and 2 specified A-level grades.

If you are studying the WBQ Core in combination with 3-A levels, any offer you are made for entry will be flexible, allowing you to satisfy the offer EITHER by achieving a WBQ Advanced Diploma with a pass in the Core and 2 specified A-level



Applications are made online via the UCAS website

grades OR grade requirements for the 3 A-levels. Any subject-specific requirements will also be stipulated in the offer.

Notes for Welsh Language Applicants

Cardiff University's education is primarily in English, but provision through the medium of Welsh is being developed in some areas. We recognise that Welsh speakers may feel more comfortable with a Welsh speaking personal tutor. Provided there are Welsh speaking members of staff in your subject area, every effort will be made to allocate a Welsh speaker to you. If you wish, you can also submit assessed work and take examinations through the medium of Welsh, regardless of the language of tuition of the programme. (This may not be possible in certain clinical areas.)

Some accommodation at Talybont and Senghennydd Court student residences has been allocated for Welsh speakers and learners who would like to be grouped together: please note if you would like to take advantage of this in your accommodation application.

Part-Time Study

Please see page 125.

Equality and Diversity

The 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 socioeconomic backgrounds.

Enrolment and Semester Dates

More information about enrolment and semester dates is available online:

www.cardiff.ac.uk/enrolment

www.cardiff.ac.uk/semesterdates

Fees

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

Tuition Fees

Tuition fees for are published on our website:
Web: www.cardiff.ac.uk/fees

Scholarships and Bursaries

For information on financial support provided by the University please visit:

Web: www.cardiff.ac.uk/scholarships

Assistance towards Student Tuition Fees/Student Loans

Information about government maintenance grants/student loans is available on all the following websites:

Cardiff University Website
www.cardiff.ac.uk/fees

Student Loans Company
www.slsc.co.uk

For Applicants Living in Wales:
www.studentfinancewales.co.uk

For Applicants Living in England:
www.direct.gov.uk/studentfinance

For Applicants Living in Scotland:
www.student-support-saas.gov.uk

Applicants from Northern Ireland should contact their Education and Library Board. EU students applying for financial assistance need to complete form EU12N. You can download this from:

www.direct.gov.uk/en/EducationAndLearning/UniversityAndHigherEducation/StudentFinance/StudentsFromOtherEUCountries/index.htm

It is important that you make an application for assistance to the appropriate body above prior to the commencement of your studies. Failure to apply will result in the University invoicing you for the fees. Students are liable for any portion of their fees not paid by the above bodies and payment will be collected by direct debit in November and February.

Important

The University reserves the right to make alterations to fees without notice at any time before or after admission, although every effort will be made to give adequate notice of alterations. Fees are not fixed for the duration of a course and may increase year-on-year. If you withdraw from the University fees will be charged pro rata from the date of commencement

Payment of Fees

Applicants in receipt of an offer will be notified of the tuition fee and directed to the website containing fee payment information. Students from Wales or a non-UK EU country may be eligible for a non-repayable grant to cover some of their fees and a repayable tuition fee loan for the remainder. Eligible Students from England, Scotland or Northern Ireland can take out a repayable tuition fee loan to cover the cost of all the fees. You are not required to pay the tuition fee loan back whilst you are studying. Once you have finished your course and are earning the equivalent of £21,000 or more, repayments will automatically be deducted from your salary. If you do not wish to take out a tuition fee loan, you can pay up-front in two instalments by direct debit in November and January. International students can pay in full by cheque or debit card or credit card but can also make payment in three instalments by direct debit providing they originate from a UK bank account.

Self-supporting Students

Self-supporting students are allowed to pay their tuition fees in instalments. Full details will be posted on the website that students will be directed to in the letter sent out in mid-August.

Sponsored Students

Students who have sponsorship from their Government/Embassies or any other sponsorship must provide 'EVIDENCE OF SPONSORSHIP' to the Fees Office before being permitted to enrol on

their course. Failure by a sponsor to pay the fees when due will cause the student concerned to be liable for payment as a self-supporting student

Year Abroad and/or Placement Fees

Students on a year abroad or who are undertaking a placement in industry etc may be charged up to a maximum of 50% of the relevant fee although for most it is likely to be 33% of the relevant fee. Please contact the Finance Office for specific information on the relevant year abroad/placement fee for your course of study.

Field Courses

Whilst essential field trips will be included within the standard fee please note that for some trips there will be options, some of which may require the student to pay all or part of the cost. Some academic schools are able to help towards the cost of such field courses. Please contact the relevant school for more information.

Overseas Tuition Fees

Following the introduction of the Education (Fees and Awards) regulations 1982 all applicants from overseas other than nationals of the European Union are required to pay fees at the overseas rate. You should be aware that the new regulations make it possible in some circumstances for universities to charge overseas fees to students in receipt of a Local Education Authority Award. In such cases you will be personally liable to pay that portion of the tuition fees not covered by the LEA Award.

Enquiries

For information on fees please contact the Finance Office. Tel: +44 (0)29 2087 4399/9262

For information on financial support please contact the Student Support Centre.
Tel: +44 (0)29 2087 4844 or
Email: Studentsupport@cf.ac.uk or
see: www.cardiff.ac.uk/advice/funding/undergradfunding

The University makes every effort to check the accuracy of the information in this prospectus at the time of going to press. However, some changes will inevitably occur in the interval between publication and the academic year to which the Prospectus relates. Therefore, applicants should visit the website (www.cardiff.ac.uk) for more up-to-date information.

position
of FSC
details

If you feel that any of the information is misleading then please write to:

Brian Richardson,
Director of Student Recruitment,
Cardiff University, Deri House,
2-4 Park Grove, Cardiff CF10 3PA.
Tel: 029 2087 4839

This prospectus is printed on paper obtained from well managed sources using vegetable-based inks. Both the paper used in the production of this prospectus and the manufacturing process are FSC certified. The printers are also accredited to ISO14001, the internationally recognised environmental standard.

Edited by David Roylance,
Undergraduate Recruitment Office,
Cardiff University.

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The use of animal-derived products in Undergraduate Teaching

Given the nature of the subjects, the use of functioning non-human organisms and animal-derived products in practical work and scientific study is a requirement of many of the degree programmes offered by the Schools of Biosciences, Pharmacy and Optometry and Vision Sciences. Sensitivity is exercised, and in the very rare case of a student being unable to carry out work on non-human organisms and animal-derived products alternatives may be sought where practicable, where permitted in course regulations, and where there is no conflict with learning outcomes. If in doubt, applicants can obtain further information from Admissions Tutors.

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This prospectus can be made available in alternative formats.

It is also available on our website at:

www.cardiff.ac.uk/ugprospectus

To request an alternative format please contact the Prospectus Office:

Tel: 029 2087 4455

Email: enquiry@cardiff.ac.uk

Finding out more . . .

www.cardiff.ac.uk

Our website offers a wide range of information about the University and its activities.

- In-depth course information and entry requirements
- Information about individual academic schools
- Open Day information
- Information for students with Disabilities/Special Needs
- Information for international students
- Facts and figures about the University
- Student Support Services
- Cardiff University Students' Union home page
- Postgraduate study opportunities
- Part-time education for adults
- Professional training courses

The following websites are also sources of further information about Cardiff and Higher Education:

www.cardiff.gov.uk
www.visitcardiff.com
wwwucas.com

www.bis.gov.uk

www.studentfinancewales.co.uk
www.direct.gov.uk/studentfinance
www.slc.co.uk (Student Loans Company)

Publications

You can download copies of our School brochures, Postgraduate Prospectus and Undergraduate Prospectus (English and Welsh language) from: **www.cardiff.ac.uk/pubs/ug**

Alternatively, you can obtain copies from the Prospectus Office: Tel: **(029) 2087 4455**
 Email: **enquiry@cardiff.ac.uk**

Schools and Colleges Liaison Service

The Schools and Colleges Liaison Office promotes the study opportunities at Cardiff University by offering prospective students and their teachers advice on all aspects of Higher Education. Schools Liaison staff aim to help students make informed decisions about their higher education options. The Service offered to schools and

colleges includes a programme of talks for students and parents, mock interviews and information sessions. A variety of subjects are covered. For further information, please contact the Schools Liaison Office: Tel: **(029) 2087 4455**
 Email: **schools@cardiff.ac.uk**

UCAS HE Conventions

Schools Liaison staff also attend many of the UCAS Higher Education conventions. For more information, please visit:

www.cardiff.ac.uk/undergraduate

Useful Telephone Numbers

Cardiff University: **(029) 2087 4000**
 Schools' Liaison Office: **(029) 2087 4455**
 International Office: **(029) 2087 4432**
 Residences Office: **(029) 2087 4849**
 Students' Union: **(029) 2078 1400**
 Address: **Cardiff University, Deri House, 2-4 Park Grove, Cardiff CF10 3PA**

Visiting Cardiff University

Open Day – Wednesday 24th April 2013

Since choosing a university is such an important decision, it is always advisable to visit the universities you are interested in before making your final choices. The best way to do this is to attend a general Open Day where you can gain an insight into life as a student.

Cardiff's Open Day enables you to meet and talk to Admissions Tutors, academic staff, Schools' liaison staff and current students to get information on issues from courses to careers, facilities to finances, student accommodation to social life. All academic schools will be open to visitors throughout the day, enabling you to explore those degree programmes that are of interest to you. Tours, displays and practical demonstrations aim to give you a flavour of what studying in Cardiff is really like. You can visit lecture theatres, laboratories, libraries, sports, social and other facilities, the Students' Union, as well as view the full range and quality of our student residences.

Other Opportunities to Visit

Open Day is the best time to visit the University as you will have access to all academic schools and facilities. Detailed information about these can be obtained directly from the Schools. If this date is not convenient, the University also has two Visit Days which take place in July and September. The programme includes a series of presentations, campus tours and gives you the opportunity to meet staff from our academic schools. However, please note that, unlike Open Day, there are no visits to academic schools. Some academic schools also hold their own Open Days although these are primarily for students who have already applied to the University. More information is available on our website at: **www.cardiff.ac.uk/opendays**

Alternatively, please contact the Schools Liaison Office: Tel: **(029) 2087 4455**
 Email: **openday@cardiff.ac.uk**



Travelling to Cardiff University: Useful Contacts

Door-to-door directions by road:

www.cardiff.ac.uk/directions

Park and Ride Services:

www.cardiff.gov.uk/parkandride

Train Services:

Tel: **08457 484950**
www.nationalrail.co.uk

Coach Services (National Express):

Tel: **08705 808080**
www.nationalexpress.com

Satnav:

If you are using Satnav the post codes are:
 Cathays Park Campus: **CF10 3AT**
 Heath Park Campus: **CF14 4XN**

Copies of the University's Location Guide are available from the Prospectus Office:

Email: **enquiry@cardiff.ac.uk**
 Tel: **029 2087 4455**

Find out more online at:

www.cardiff.ac.uk



Got questions about student life?

Get them answered at:

www.cardiff.ac.uk/thrive

Some of our current students are sharing their experiences online through their Facebook pages so if you want to know what life as a student at Cardiff is really like then you can find out now. There is also lots of information about what is happening in Cardiff including articles written by our students, videos, and lots more.

Come and visit!

For more information about visiting Cardiff University:

www.cardiff.ac.uk/opendays

Enquiries

For students from the UK or EU:
Tel: **029 2087 4455**
Email: **enquiry@cardiff.ac.uk**

For students from the rest of the world:
Tel: **+44 (0)29 2087 4432**
Email: **international@cardiff.ac.uk**

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