Discover the Cardiff Experience
A leading university...

94.1% of students employed or in further study 6 months after graduation
Source: HESA Destinations of Leavers Survey 2015

Top 5 UK university for research QUALITY
Source: Research Excellence Framework, see page 18

HIGH levels of student satisfaction

Students from more than 100 overseas countries
Welcome

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

This prospectus describes what it is like to be an undergraduate at Cardiff and gives details of the various degree programmes, services and facilities.

However, a prospectus can only go so far, and the best way to gain an insight into life at Cardiff University is to come and visit us. We wish you every success with your studies.

Professor Colin Riordan
President and Vice-Chancellor

Over 350 degree programmes offering choice and flexibility

Welcome

Over 350 degree programmes offering choice and flexibility

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... in a friendly, attractive capital city.

Affordable: one of the lowest average costs of living for university cities

Top 3 capital city for quality of life

Source: European Commission Quality of Life in European Cities 2016

Compact and safe: all your study, living and leisure needs within walking distance
Welcome

Insider Information

You can also find out what life at Cardiff is really like from our Insiders who are current students studying a range of subjects. You can read their blogs and post comments.

To find out more see page 29 or go to: www.cardiff.ac.uk/insiders

Come and Visit! Open Days

We will have four Open Days in 2017. You will be able to meet staff and students, receive advice and information, have your questions answered, and generally get a feel of what life as a student at Cardiff University is like.

The dates are:
• Wednesday 26 April
• Friday 7 July
• Saturday 16 September
• Saturday 21 October

To obtain details about these events and to book your place visit: www.cardiff.ac.uk/opendays

You can also contact the Open Day Office directly:
Tel: 029 2087 4455
Email: openday@cardiff.ac.uk

Cardiff Connected

www.cardiff.ac.uk
@cardiffuniug
facebook.com/Cardiffuniug
instagram.com/cardiffuni
youtube.com/user/cardiffuni

Contact us
For students from the UK and 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

240 sports clubs and student societies
Reasons to Love Cardiff

01 The capital is our campus
Cardiff University is at the heart of a thriving and growing capital city.

Bursting with culture, cuisine, architecture, entertainment and history – from winding arcades to huge retail centres – Cardiff was ranked the third best capital city in Europe in 2016, for quality of life, alongside Copenhagen and Stockholm.

(Quality of Life in European Cities Survey 2016, EU)

02 World-leading research
Cardiff is in the top tier of Britain’s research universities and is a member of the prestigious Russell Group. It’s ranked second nationally for research impact, and in the top five universities for research excellence in the UK. We’ve been awarded five Queen’s Anniversary Prizes (which recognise world-class excellence in UK Higher Education) and are home to a huge cohort of distinguished staff, including two Nobel Prize winners and 12 Royal Society Fellows. In 2016, Cardiff University’s world-class Brain Research Imaging Centre was officially opened by Her Majesty Queen Elizabeth.
03 Our star alumni

From politicians and journalists to scientists and innovators – many well-known faces have been through Cardiff’s corridors. Our alumni include BBC broadcaster Bill Turnbull, National Poet of Wales Gillian Clarke, Money Saving Expert founder and journalist Martin Lewis OBE, former President of Beijing Normal University Professor Zhong Binglin and many more. Our Honorary Fellows include the likes of Sir Patrick Stewart, Jeremy Bowen and Carol Vorderman.

04 Top teaching and employability

Stepping into a university that provides innovative, exciting teaching across the disciplines, it’s hard not to feel the buzz. A Cardiff education is unique and personable; students are taught and mentored by committed and enthusiastic tutors and lecturers, many of whom are world-leading experts. Our graduates are amongst the most sought after by employers.

05 Bute Park
A 130 acre back garden

Bute Park lies in the heart of Cardiff behind King Edward VII Avenue. With the River Taff flowing alongside, it is the perfect mixture of tranquillity and wide open space, ideal for relaxing (or running) on a summer’s afternoon.

06 One big film set!

The proximity and unique architecture of the University campuses make it a prime filming location.

Cardiff is home to many TV shows, including medical dramas, such as ‘Casualty’, ‘Doctor Who’ and ‘Sherlock’.

www.cardiff.ac.uk
07
On the doorstep to wild Wales

A wealth of treasures lie just beyond Cardiff’s borders, a unique part of the world asking to be explored. A trip to Barry Island is a must, a destination for ‘Gavin and Stacey’ fans and beachgoers alike. The rugged Brecon Beacons offer incredible walks, views and outdoor pursuits.
08

International days

Rugby is part of the lifeblood of Cardiff; you can’t miss it.

A festival atmosphere descends during the annual Six Nations tournament, as Wales’ visiting rivals take them on in their hometown. The city also hosts international football and cricket matches.

09

Community Action

Student volunteering is a way of life with many student-led projects serving the community. Further afield, the Phoenix Project is making a difference in Africa, working with the University of Namibia to embed quality education in focused projects, enabling better health and less poverty.

10

One of the best Students’ Unions in the UK

It’s official – according to the Times Higher Education Student Experience Survey 2016, Cardiff University’s SU is one of the best around. Home to over 240 sports clubs and student societies, a free employment service and, of course, the beloved Taf, the SU caters to every student’s needs across the board, from studying to socialising.

11

Rich culture and history

From the internationally renowned Wales Millennium Centre on the waterfront, to the National Museum in Cathays Park and the 2,000-year-old Cardiff Castle, Cardiff is a city steeped in heritage and culture.

12

A city that loves running

Cardiff hosted the 2016 World Half Marathon in partnership with Cardiff University, 25,000 runners, including four times Olympic gold medallist Mo Farah, took part in the event which was supported by staff, students and alumni. Cardiff boasts plenty of other events for all levels of runners – a weekly 5km park run takes place in Blackweir Fields and then there’s the famous Cardiff Half Marathon, the second largest race of its type in the UK, so don’t forget your running shoes.
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.

Cardiff caters for most tastes, offering everything from the excitement of the city to the peace and tranquillity of the nearby coast and countryside. The city is widely recognised as an outstanding place in which to live and study.

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 numerous major sports, arts and cultural events and, as the capital city of Wales, it is home to many national institutions. These include the National Museum and the much-admired Principality 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’s 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.

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. 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 Doctor Who, Sherlock, Torchwood and Casualty.

The city is one of the UK’s best shopping destinations with the St David’s retail centre standing alongside pedestrianised shopping streets, indoor and outdoor markets and a fascinating network of glass-canopied Victorian and Edwardian shopping arcades. Cardiff was also the world’s first Fair Trade Capital and encourages ethical trading and fair prices for producers in the developing world.
The surrounding countryside and coast offer superb opportunities for outdoor pursuits.

“Cardiff seems to have it all: grand civic architecture in a breezy waterside location, super-smart city bars and venues just a short hop from lovely countryside.”

Guardian University Guide 2016

The Principality Stadium nestles in the heart of the city and is home to numerous sports events and concerts throughout the year.

The City’s waterfront, Cardiff Bay, home to the Wales Millennium Centre, a world-class venue for the arts, and the historic Pierhead Building.

Cardiff is one of the UK’s best shopping destinations.
A Capital City

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.

Cardiff has an abundance of urban green spaces. Our 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 attractive 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 Principality Stadium hosts major events throughout the year, notably international rugby. The electric atmosphere in the city on international day is not to be missed.

The Cardiff City Stadium is home to Cardiff’s Championship football team while, in the heart of the city, rugby is played at the famous Arms Park and first-class cricket (including international matches) is staged at the SWALEC Stadium in Sophia Gardens. Cardiff Bay offers an ice rink – with top level professional ice hockey – an international standard swimming pool, a new ice arena, as well as the first on-demand white water rafting and canoe centre in the UK.

Athletes and their supporters have the use of the Welsh Institute of Sport and the National Athletics Stadium. Football, rugby, hockey, squash, tennis and swimming are provided...
at facilities across the city and at the University, while rowing, sailing, canoeing and many other sports are available within easy travelling distance.

When not enjoying the great outdoors, you might enjoy one of the numerous museums, including the National Museum (alongside the University), Techniquest (one of Britain’s most successful hands-on science centres), or the acclaimed St Fagans National History Museum.

“Cardiff is one of Europe’s youngest capital cities – small enough to be friendly and big enough to offer the best of living in a major city.”

The Complete University Guide 2017

The University is located alongside attractive parkland and is adjacent to Cardiff Castle and the city centre

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

Cardiff is a lively and friendly city

One of the city’s many green spaces in the centre of the campus
A Leading University
Cardiff University has an international reputation for excellence in teaching and research, built on a history of service and achievement since 1883, and recognised by our membership of the Russell Group of leading UK research universities.

If you would like to study at a successful, vibrant and cosmopolitan university, with a wide choice of degree programmes, outstanding study, support and leisure facilities, as well as strong employment prospects upon completion of your degree, then Cardiff University has a great deal to offer.

Our attractive and compact campuses, excellent student accommodation, and 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 admit approximately 5,000 undergraduate entrants each year. While competition for entry is strong, Cardiff is an inclusive university with a good record on widening participation and fair access. We welcome applications, irrespective of background, from everyone with the potential to succeed at Cardiff University.

Our campuses
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 our academic schools are located here, and it has the

Cardiff University is among the best in the UK for preparing graduates for the workplace.

Times Higher Education - Global University Employability Ranking 2016
A Leading University

advantage of only being a few minutes’ walk from the city centre.

The three academic schools offering healthcare courses (excluding Optometry and Pharmacy) are based at the nearby Heath Park Campus.

The Heath Park Campus is also home to the 900-bed University Hospital of Wales, at the Heath Park Campus, and which provides an ideal environment for teaching healthcare professionals in a modern clinical setting.

We have invested very substantially in our estate in recent years and continue to do so today. The majority of academic schools have benefited from refurbishment, including the provision of new and well-equipped laboratories, lecture theatres, libraries and computing facilities.

We take our environmental, safety and security responsibilities very seriously. We have a comprehensive Energy, Water and Waste Policy, which is already making great savings in energy consumption, helping us meet the challenges of climate change. To support the safety and security of all members of our community and property, we have 24-hour security cover throughout the campus.

Our degree programmes

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 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.

All modern language degree programmes are four years in duration, and include a year in the relevant European country. Other degree programmes may include a foreign language element.

For those studying healthcare courses, we have close relationships with general and specialist hospitals and other healthcare institutions across Wales, allowing you to obtain excellent clinical experience in different environments, both urban and rural, in hospitals and in the community.

Naturally, our 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.

We place great emphasis on teaching in the community and primary care settings, with some of our students being attached to general practices and community clinics.

**Global Opportunities**

International opportunities are available to students via our Global Opportunity Centre. These can include study, work and volunteering placements in 26 EU countries, as well as international exchange opportunities across the world. We can help you take full advantage of our world-wide links.

**Languages for All**

All our students have the opportunity to study a language in addition to their degree through our Languages for All programme.
Building a Successful University
There has never been a more exciting time to be a student at Cardiff University. We are investing hundreds of millions of pounds to provide our students with world-class facilities as part of our largest campus upgrade in a generation.

A massive £600m capital investment programme across the University, including £260m in student facilities, will help us ensure that we can give you the best student experience possible.

Our on-going programme of investment has already delivered state-of-the-art buildings such as the Cochrane Building, home to the School of Medicine. Located at the Heath Park Campus, it is shared with students studying other healthcare disciplines and has a range of facilities including a clinical skills centre, a high-tech medical simulation centre and a library. Also at Heath Park Campus, the School of Dentistry has opened a new £2m simulation suite.

Other recent developments include a new student residence at Talybont Gate and we are also investing £40m over several years to refurbish our existing teaching and learning facilities. We are making improvements to furniture and equipment, such as including power points to enable you to charge devices.

New state-of-the-art buildings and facilities complement our existing historic estate.

One of our most ambitious projects is to create a £50m Centre for Student Life, to provide a central hub for our student support services as well as offering modern, flexible social learning spaces and a 550-seat lecture theatre. The Centre is due to open for the 2019/20 academic year.

We are also investing in new research facilities at our £300m Innovation Campus on Maindy Road to help create economic and social prosperity.

We believe our students should be able to relax in modern environments with the latest technology, so our partnership with the popular Students' Union has led to many exciting developments. Major improvements have been made to our Students' Union, including Y Plas, used for social learning and evening entertainment. New shops and services complete the transformation.

We are a University with a clear vision to create an environment that allows you to flourish and fulfil your potential.
Serious Brain Power

Cardiff University was ranked 5th amongst UK universities for research quality and 2nd on its impact, in the most recent Research Excellence Framework, a prestigious national assessment exercise undertaken periodically by the UK funding councils. This confirmed our place as a world-leading centre of research excellence.

As a member of the Russell Group – the UK’s “Ivy League” of leading research universities – we have world-class staff who are pushing back the frontiers of human knowledge to help answer the big questions facing mankind in the 21st century.

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 recent years, we have won £90m per annum in new research grants and contracts, and, in the Research Excellence Framework, 87% of our submitted research was rated as world-leading or internationally excellent – the top two categories of assessment. Notably, 15 out of 27 of our academic disciplines were rated in the top 10 on quality.

This research excellence benefits you as an undergraduate student. You are able to study in a vibrant, research-intensive environment amongst leading scholars in their field.

Cardiff’s research embraces many 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, our 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.

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.
High Quality Teaching

At Cardiff, teaching and learning take place in a research environment in which you can 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 have 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.

As research is undertaken throughout the University, this creates a stimulating environment for study. As active researchers, our academic staff are enthusiastic and committed. 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, all valued attributes.

The Cardiff research culture impacts progressively on you. In the early stages, you are given a flavour of the research activities in your subject. As you progress, you 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 you the best possible educational experience, we keep our degree structures under review so please check our website for latest information.

The University is committed to providing a high quality student experience

The University has extensive state-of-the-art laboratories to support its teaching
Cardiff University graduates are among the most sought-after by employers.

We place special emphasis on building the skills you will need in employment - whether in the public or private sector, in academia, in a multinational company or a small local business.

Consequently, a Cardiff degree is well respected in the jobs market. Employers value our graduates for their academic ability, motivation and resourcefulness. As one of the UK’s leading teaching and research universities, we prepare you for leadership and we are listed annually in the top 25 universities targeted by graduate recruiters, according to the annual Graduate Market survey published by High Fliers.

You benefit from a stimulating study environment, research-led teaching, based on the work of academic staff, who work at the frontiers of knowledge in their field. This encourages critical thinking and nurtures both self-reliance and teamwork.

In addition to a dedicated professional Careers and Employability service, (see page 22) we have taken steps to embed employability into the student experience through a range of activities.

These include the Cardiff Award, which can help you to improve your professionalism and gain the skills and confidence to be successful in the world of work.

To help you to be more innovative in your chosen career or to start up your own business, the Enterprise team offers a programme including enterprise skills workshops, 1-2-1 start-up guidance and competitions to help you to make your ideas happen.

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 you with unique opportunities to sample live research and enhance your academic skills.

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

94.1% of our students are employed or in further study six months after graduation.

HESA Destination of Leavers Survey 2015
“Cardiff students demonstrate the talent, motivation and enthusiasm that employers are seeking.”

Paul Davies – Partner, Latham and Watkins LLP (UK and international law firm)
Careers and Employability

Cardiff has an excellent graduate employment record. Graduates of all disciplines are in demand across a broad range of careers and we remain an institution targeted by national and international employers.

Whatever you decide to do, our Careers and Employability Service prides itself on offering you support throughout your studies and after graduation, and our Alumni Relations Programme will keep you in contact with the University and enable you to use the services and expertise available to former students.

Careers and 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 developing and achieving your career goals from the very beginning of your time at Cardiff University. Careers and Employability, based in the Student Support Centre, is specifically designed to meet your needs, and includes:

Careers Information, Advice and Guidance

• A team of careers professionals linked to academic schools
• Careers information and research facilities
• Careers sessions: a series of lectures and clinics delivered in your academic school on job search, career choice, interviews, applications and assessment centres
• Daily employability masterclasses and careers clinics to increase your employability whilst at university.

Work Experience

• Employment tasters, short-term placements and internships
• Work Experience Fairs and events highlighting the huge advantages of work experience.

Skills Development and Mentoring

• Employability and enterprise skills are delivered in and out of the curriculum by Careers and Employability staff, with a focus on developing skills while in university and articulating those skills successfully in future applications
• You also have the opportunity to become mentors to other students - a very popular scheme which encourages skills development in both mentees and mentors.

The Cardiff Award

• This employability award enables you to gain recognition for skills development and work experience achieved throughout university. The Cardiff Award has been developed with the support and expertise of graduate recruiters and is sponsored by EY.

From the beginning of your University experience we encourage you to develop a wide range of employability skills, including aspects of self-management, team working, problem solving, business and customer awareness, communication and literacy, numeracy and IT. As well as careers advice, guidance, workshops and information resources, work experience is a key component of our approach. You are actively encouraged to gain this during your time at Cardiff. Many of our degree programmes have an element of work experience built in.

Graduate Recruitment

Hundreds of student and graduate recruiters target Cardiff University annually as part of their recruitment campaigns and we work closely with these recruiters to provide the vital link between them and you, by offering:

• Online Jobs Board - advertising vacancies
• Careers Fairs - both general and sector specific
• Employer events to showcase their opportunities.

Life After Cardiff

Cardiff University Alumni Network

Cardiff is a place that breeds success. From BAFTA award-winning Welsh journalist and BBC News at Ten presenter Huw Edwards, to Money Saving Expert Martin Lewis OBE, and Specsavers founders Doug and Dame Mary Perkins DBE, Cardiff alumni thrive as leaders in their fields.

The Cardiff Experience goes beyond your time on campus. Once you have graduated, you will be able to make the most of our 145,000-strong alumni network to shape and support your career for years to come. Wherever you are in the world, the Cardiff University alumni community is there to boost your career and help you stay connected.

Find out more . . .

www.cardiff.ac.uk/alumni
@cardiffUniAlumni

We can help you on Your Career Journey, from freshers to graduation and beyond.

Find us on social media

facebook: cardiffcareers
twitter: @cardiffunicareers

Follow us and like us to receive regular updates and opportunities from teams across Careers and Employability.
An Employer’s View

“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 into the workplace. Applicants who stand out are those who have done research, are well prepared and able to match their skills and experiences to the “PwC Professional” framework. 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 and 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.”

Scarlett Seager – Graduate Recruitment Officer, PwC

“Admiral Group is extremely proud of its successful and sustained partnership with Cardiff University. Admiral Group has benefited from the excellent conveyor belt of talented and ambitious students Cardiff University has produced since we launched our Financial Services business in the city back in the early 1990s. This relationship has grown considerably over the last two decades, as students of Cardiff University have continued to bring new ideas, skills and energy to bear within our organisation. Students have joined us on Year in Industry placements, summer internships, graduate programmes and in specialist functions from a vast array of subject disciplines. It doesn’t end there though; the strong work and commitment from the Careers and Employability team at the University has ensured we’ve connected with students throughout their University life, through such initiatives as the Cardiff Award, workshops, presentations and Careers Fairs. These are invaluable opportunities for students to find out more about organisations, specific careers and to generally prepare for their lives beyond University. We are proud to play a part in this.”

Leigh Manley - Graduate Programme Manager, Admiral Group

Employers targeting Cardiff University include:

- Abercrombie and Fitch
- ACCA
- Admiral Insurance
- Airbus Group
- Allen and Overy
- Amazon
- Armed Forces
- Arup
- Babcock International
- BP
- BT
- Civil Service
- Costain
- Deloitte
- Dyson
- EY
- Eversheds
- Ford Motor Company
- Freshfields
- GE
- General Dynamics
- GlaxoSmithKline
- HSBC
- IBM
- KPMG
- Laing O’Rourke
- L’Oreal
- Lloyds of London
- Macfarlanes
- Marks and Spencer
- Microsoft
- Mott MacDonald
- Nationwide Building Society
- Network Rail
- NHS
- PwC
- Redrow Homes
- Santander
- Sky
- Tata Steel
- TeachFirst
- Transport For London
- Welsh Government
- Welsh Rugby Union
- Welsh Government
- Welsh Rugby Union

Cardiff has an excellent graduate employment record

**Known Destinations of Graduates**

- Employed: 70%
- Further Study: 15%
- Work and Study: 6%
- Not available/travelling: 9%

Source: Destinations of Leavers in Higher Education. Sample size: 3236. Survey: All UK First Degree Leavers of 2014/15
Start Here, Go Anywhere

Enrich your study with our global opportunities, research and language programmes.

Global Opportunities

Studying, working or volunteering abroad as part of your university experience is a great way to broaden your academic knowledge, immerse yourself in another culture and gain skills that will be highly valued by employers.

We have links with over 300 top-ranked institutions and can provide you with the opportunity to study in countries in Europe and across the world.

European Exchanges

We have exchange partners across 25 EU countries through the Erasmus+ programme. If you decide to study a modern foreign language at Cardiff, a year abroad will form an integral part of your degree. However, you don’t have to be studying a language to study in Europe; you could study abroad for a semester with one of our partners where teaching is delivered in English.

International Exchanges

There are also opportunities to study at some of the world’s top-ranked international universities in countries such as the USA, Canada and Australia. Study options include spending a year or a semester abroad, or taking a clinical placement.

Short-term Study, Internship and Volunteering Opportunities

Through the Global Opportunities team, you can undertake a range of short-term placements to study, work or volunteer abroad. Lasting a minimum of four weeks during the summer holidays, these programmes are ideal if you don’t have the opportunity to study abroad as part of your degree but would still like to gain international experience.

Finance and Support

There is a range of funding available to make international placements more accessible. These include one-off bursaries and monthly grants. Students undertaking European and international exchanges as part of their degree programme also pay no additional tuition fees and are eligible for support from Student Finance.

Employability

An international experience can help you enhance your CV by developing valuable skills required by employers in today’s globalised recruitment market.

Languages for All

Learning a language opens doors to new experiences, expands your networks and improves your employability. A recent CBI survey found that 72% of UK firms thought that foreign language capability among their staff was a benefit to their business.

At Cardiff, you can study a modern language of your choice free of charge. We offer a flexible and innovative choice of study options designed to fit with your degree course.

Whether you want to learn a new language or develop your existing skills further, Cardiff Languages for All will have something for you, offering:

- Courses in European and non-European languages from beginners to advanced levels, timetabled to avoid clashes with your modules
- Short intensive courses just before you go abroad for further study, work or volunteering
- Guidance and advice on self-study language learning to help you maintain your existing language skills or start learning a new language with Rosetta Stone.

Programmes will use the latest technology and teaching methods to make sure that you are able to make the most of your language learning.

The programme offers courses in Arabic, French, German, Italian, Japanese, Mandarin Chinese, Portuguese, Russian and Spanish.

Cardiff University Research Opportunities Programme

This programme provides you with unique opportunities to sample live research and enhance your academic skills to allow you to make a more informed decision on furthering your research at postgraduate level.

The programme provides funding to participate in the University’s research activity through extra-curricular projects linked to staff research areas. Students are typically engaged for periods of eight weeks during the summer to work on particular projects.

Find out more . . .

For further information please visit:

- go@cardiff.ac.uk
- www.cardiff.ac.uk/globalopportunities
- www.cardiff.ac.uk/languagesforall
- www.cardiff.ac.uk/curop

“I remember sitting in a lecture when I heard about the opportunity to go to Hong Kong University for a summer programme. Despite my immediate interest, I didn’t realise what a fantastic opportunity Cardiff University was offering until I researched the prospect further. The course itself, the destination, and the cultural experience all enticed me to apply, particularly as it was funded! The experience I had was a true ‘once in a life time’. The whole experience was everything I expected, plus more. I gained knowledge in areas I would not cover as part of my degree, I experienced a new culture, grew in independence and confidence, plus I made remarkable friends. Despite my prior nerves and concerns, the Global Opportunity Centre provided guidance and advice through the whole process, and took a genuine interest in helping me gain the most out of the experience. Even if this particular programme does not appeal to you, I would definitely investigate the opportunities provided by the Global Opportunity Centre, as the destinations and experiences on offer are endless!”

Lara Bridge,
Hong Kong University,
New Horizons Summer Programme: Global Business in Asia
An international experience can help you enhance your CV, by developing valuable skills required by employers in today’s globalised recruitment market.
Living in Cardiff
Guaranteed University accommodation, outstanding quality and value, with a range of residences to suit all preferences and budgets.

**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 accept their offer of a place from Cardiff, on a firm basis, are guaranteed a single occupancy place in University residences during their first year of study. Please see our website at: [www.cardiff.ac.uk/residences](http://www.cardiff.ac.uk/residences) for full details of our accommodation guarantee and the associated deadlines.

**A Range of Residences**

We are continually investing in our student residences and protect this investment with extensive annual maintenance programmes.

“Cardiff is one of the best UK cities for young adults because of its low cost of living, good job opportunities and decent wages.”

*The Complete University Guide 2017*
When designing the residences we have paid particular attention to the views of 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 15 different residences, providing more than 5,500 study bedrooms, you can apply for the residences which best suit your particular preferences, interests and budgets. 70% of study bedrooms have their own ensuite facilities and all study bedrooms have University computer network connection points and wireless access.

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, we offer a wide range of choices and seek to meet your 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 our 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.

Affordable Residences

Residences fees depend on a range of factors, 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 £135 per week. A place in self-catered residences currently costs between £99–£123 per week (all figures quoted at 2016/7 prices). The cost for the academic session 2018/19 will be confirmed during 2018, and published on our website in due course.

Cardiff is amongst the most affordable/cost effective student destinations in the UK.

Research by HSBC 2015, NatWest 2016

Cardiff is ranked 3rd amongst the UK’s top cities for quality of life. Research by moneysupermarket examined factors such as cost of living, average disposable income and life satisfaction in the UK’s twelve biggest cities.

Moneysupermarket.com – Quality of Living Index 2015

Find out more . . .

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 watch a film online at: www.youtube.com/watch?v=hzX-dYLFB8

Affordable Residences

Residences fees depend on a range of factors, 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 £135 per week. A place in self-catered residences currently costs between £99–£123 per week (all figures quoted at 2016/7 prices). The cost for the academic session 2018/19 will be confirmed during 2018, and published on our website in due course.

Residences for Couples and Families

We have 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/family accommodation are strongly advised to secure suitable accommodation before their arrival in Cardiff.

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 our Halls of Residence.
James Yeoman **Dentistry**

“Going to university was a no-brainer for me as in order to be a dentist (hopefully!), I need to have a degree. However, there’s so much more to be gained from going to university; independence, study skills, lifelong friendships, and so many more opportunities than you’d get anywhere else. I chose Cardiff because it had the best course for me – it’s taught through a range of teaching methods, there’s plenty of practical work, and really early clinical contact. I love science, but I also love talking to and meeting new people. Dentistry allows me to combine these things with my manual dexterity skills in order to do something that just feels really worthwhile! It’s a really hands-on course and we’ve had lots of practical sessions, from dissection to infection control, and phantom head sessions, to practising on each other. I’ve been very involved in a large number of societies (from St. John Ambulance to Wilderness and Exploration Medicine) and sports clubs (from sailing to fencing).”

**Helena Fern History**

“I wanted to go to uni because it was a chance to go somewhere new and study something I loved. All along, Cardiff seemed the obvious choice as everyone was so friendly and welcoming. Studying History here is great because there’s such a wide choice of topics and eras to study, which gives you the freedom to pursue your own interests. Besides studying and socialising, I work in the Students’ Union and spend time doing really rewarding voluntary work, alongside meeting some great people! I’ve also had the chance to work on summer schools at the University and use my student experiences to inspire young people to go to Cardiff.”

**Emma Sheldon Chemistry**

“I always knew I wanted to go to university, but found it really difficult to decide what I wanted to study. I chose Chemistry because I thought it was a good science subject and would give me a wide choice of career options. Out of my choices of university, Cardiff was by far the friendliest place with welcoming staff and a great new city to live in with lots on offer. The course gave me the chance to study more Maths/Physics based topics, the biological side of Chemistry, and forensic science. I even studied a couple of Spanish modules in my first year. Studying at Cardiff also gave me the chance to do a year abroad in Spain which was amazing – something I’d recommend to everyone! I’ve had some fantastic volunteering opportunities through the University, been part of sports teams and somehow still had the time to work as a swimming teacher too.”

*Ayoub Sabrane-Conroy Pharmacy*

“I chose to go to university because I thought it would give me more options for my future, and I was also the first in my family to have the opportunity to go to university. I always knew I wanted to go to university and do something science related, and decided on Pharmacy because it’s a practical science and I wanted to help people directly and see the results of my work first hand. I chose Cardiff because it’s a Russell Group university, highly ranked for Pharmacy, and one of the oldest schools of pharmacy in the UK. I also chose Cardiff for non-academic reasons, it’s a compact capital city and relatively cheap. It’s also exciting to go to university in another country. My course is great because its aspects cover so many areas of science, from medicinal chemistry and how drugs are made, to the biology of disease states and subjects in physics regarding radiation. It also covers other non-science areas, e.g. civil/criminal law among others. I’ve joined a few societies in my time here, including swimming and American football, and done lots of volunteering.”

**Cardiff Insiders**

Some of our current students are sharing their experiences of Cardiff University in their own words. Each Insider posts regularly to their blog, to Twitter and to their own Facebook page. Some are also posting photos to Instagram so you can see what they’re up to as well as reading about it. So if you want to know what it’s really like at Cardiff, you can find out now at: [www.cardiff.ac.uk/insiders](http://www.cardiff.ac.uk/insiders)

**Wendy 1st year Human and Social Sciences**

Hey guys, I’m Wendy, a first year Human and Social Sciences student raised in Somerset but a city girl at heart. In my spare time, I enjoy fashion blogging and bingeing on tv shows and dramas. I’m also a School Student Ambassador and Student-Staff Panel Secretary.

**Leo 4th year Medicine (intercalating in Medical Genetics)**

Hi I’m Leo and I’m a medical student starting my fourth year of university and will be intercalating in Medical Genetics. I am a keen rugby player for Cardiff Medics and have a big weakness for all things Welsh…

**Jack 1st year Physics**

I’m Jack, a first year physics student who loves quotes, computer games, and spending far too much time contemplating the meaning of life. When I’m not completely consumed by these things however, I also do normal things, like puppetry.

**Hope 3rd year Psychology with a Professional Placement**

Hello! I’m Hope, I’m originally from York and I’m currently in my second year of Psychology with a Professional Placement! As well as being the Psychology Insider I am also a second year Academic Rep, so I should be able to answer any questions you may have. I love cooking, reading, SFX makeup and I’m a great big film nerd!”
Student Services

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

IT Facilities

Our modern IT facilities enable easy access to a range of support, tools and resources to help your study. The University-wide wireless network is available free of charge, and covers both Cathays and Heath Park Campuses as well as University-owned residences.

The University network provides you with access to a wide range of software applications and collaboration tools. Your University username and password enable you to access online resources and services, including email and networked file storage. You will benefit from a free subscription to Office 365 ProPlus.

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 our intranet. Open Access IT rooms across the campus, some of which are open 24-hours a day, 7 days a week, are freely available for you to use.

Libraries

Our modern libraries are welcoming, comfortable, and offer a wide range of information resources in print and increasingly online. We aim to provide a flexible study and research environment, with more than 2,500 study spaces across the University to suit all learning needs and long opening hours, including evenings and weekends. Some of the libraries are open 24-hours a day throughout the year.

You can easily locate resources for your assignments, check your library borrowing, renew loans and reserve items using the LibrarySearch online library catalogue. Our libraries have an expanding range of eBooks, eJournals and digitised images available; these can be accessed online, from anywhere in the world, at a time to suit you.

The libraries provide access to over 1.3m printed books, including multiple copies of recommended text books on reading lists, 29,000 eJournals, and an extensive range of rare and historical books in all subjects.

The libraries also offer self-service loans and returns, and access to photocopying and IT services.

Support and Knowledge

Early in your course, you will be given an introduction to the services that we offer. Our approachable Library and IT staff are experts in their field and always available for advice.

A range of help in using both IT and libraries is available, including the online ‘Ask a Librarian’ instant messaging service for help with libraries, and the IT Service Desk which can be contacted by phone, email or in person for help and advice with using IT. The IT Clinic in the Students’ Union can also provide you with advice on a range of IT issues.

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

Student Support Centres

Student Support Centres are provided at both our Cathays and Heath Park Campuses.

The purpose-designed centres house our Advice and Money, Careers and Employability, Counselling, Health and Wellbeing, Disability and Dyslexia and International Student Support teams.

Advice and Money

The Service offers confidential advice and support on a wide range of financial, academic and general welfare issues, including financial entitlements to healthcare courses.

The Cardiff University Financial Assistance Programme supports over 5,000 students from lower income families through the bursary programme and provides financial support to help students who face unexpected financial difficulties while at university, as well as training to improve their financial skills.

We also administer a number of funds which pay scholarships to a small number of our students, from outside trusts and charities. Please visit our website for more information: www.cardiff.ac.uk/funding-ug

Counselling, Health and Wellbeing

The Service offers confidential counselling and wellbeing support to students who wish to discuss matters of a personal or emotional nature which impact on their ability to study.

Support is provided on an individual or workshop basis and is supported by self-help material. The Service works to the British Association for Counselling and Psychotherapy ethical framework.

For students experiencing health concerns during their course, a referral to the Student Occupational Health Service may be suggested by your Personal Tutor or Course Organiser, where this is applicable. The confidential service will deliver an assessment and identify adjustments which may be needed on medical grounds to assist you to meet your academic and/or placement requirements.

The University also has its own GP Surgery.

Disability and Dyslexia

The Service offers advice and support to prospective and current disabled students. The team help to identify support needs on an individual basis and assist in making reasonable adjustments such as exam arrangements, and liaise with academic staff in regards to support and adjustments.

The Service can assist eligible students with their applications to the Disabled Students’ Allowance (DSA) and houses the accredited Assessment Centre which provides DSA Needs Assessments.

International Student Support

Specialist advisers are available for international students to provide information and support including on visa and immigration matters.
Day Care Centre
The Centre can provide full day care facilities for children aged 10 weeks to 5 years. It 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.

Eye Clinic
The School of Optometry and Vision Sciences operates an eye clinic which is open to students who wish to have their eye sight examined.

University Chaplaincy
The University Chaplaincy consists of five Christian, two Muslim, one Hindu and a Jewish chaplain at multiple sites around the University. All are available to students on campus or via the University website. The role of the Chaplaincy is to assist staff and students in pastoral and spiritual matters upon request.

Find out more . . .
www.cardiff.ac.uk/studentsupport
Email: studentsupportcentre@cardiff.ac.uk
Tel: (029) 2087 4844
www.youtube.com/Cardiffuni

Our libraries have long opening hours, including evenings and weekends
The Students’ Union is consistently graded the number one Students’ Union in Wales and in the top five in the UK for student satisfaction.

As a student-led, independent part of the university, the Students’ Union represents students and provides a diverse and inclusive range of activities and services that enrich student life.

These include advice, training, skills development, volunteering opportunities, employment and other services that promote inclusion, friendship and personal development.

Eat, Relax, Study

The Students’ Union has undergone major redevelopment in the last few years, transforming it into a perfect place to study, socialise and relax. It offers ample desk space, seating, computer access, power points for laptops and group meeting space. The new food court serves up a great range of food to keep you going, whether you’re doing coursework, revising for an exam or catching up with friends.

Activities

We do all we can to help you enjoy your time in Cardiff, learn valuable new skills and meet people along the way. Offering more than 180 societies and 60 sports clubs, there really is something for everyone. If you don’t have time to fully commit to a club or society, the Give it a Go programme offers you the chance to try out a whole host of activities from sports, arts and student politics to day trips and weekends away.

Student Voice

The Union works constantly to take your views to where they count and works closely with the University to ensure your views are represented at every level. We also have 1,000 student academic reps across the University who can represent you on academic issues.

Jobs and Skills

One of the Students’ Union’s big aims is to help you become more employable during your time in Cardiff. Having a CV that stands out from the rest is important. We offer a range of courses in skills development, opportunities to volunteer in the community, and the chance to gain work experience while you study. If you’re thinking of owning your own business, we offer you valuable advice on how to get your idea off the ground. The Union also runs Jobshop, a dedicated service for students looking to find temporary work that fits around their studies. Jobshop offers student jobs in the University, Students’ Union and lots of other local businesses.

Advice and Welfare

The Students’ Union has its own Student Advice service for those times when you need a little help with student life. It offers a professional, confidential and non-judgemental service for all kinds of issues, such as housing, finances and academic issues.

Shops and Services

Newly refurbished in 2016, you will find a range of shops and services on the ground floor including a coffee shop, a salon, a barbers, a bank, a bookshop, an IT store, a print store and a supermarket. The Students’ Union also has its own clothing store and letting agency.

Entertainment

Each week the Union hosts a variety of club nights with music from dance and alternative to chart and pop. The recently developed Y Plas venue, which in the evening becomes a nightclub, is host to live music, club nights, stand-up comedy, fashion shows and awards ceremonies, so there’s lots to keep you entertained.

Student Media

If you’ve got an interest in media, there are opportunities to get involved in the Students’ Union’s award winning media which include the student newspaper, Gair Rhydd, a lifestyle magazine called Quench as well the Union’s own radio and TV stations, Xpress Radio and Cardiff Union TV.
The Union has its own TV and radio stations

“Cardiff has one of the biggest, best and most active students’ unions in the UK and is currently benefitting from a multi-million pound investment.”

The Complete University Guide 2017

Find out more . . .
Web: cardiffstudents.com
facebook.com/cardiffstudents
snapchat.com/add/cardiffstudents
instagram.com/cardiffstudents
@cardiffstudents
www.youtube.com/cardiffstudents
Sport

Regardless of your level of ability or commitment, we provide 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 our major student residences, just a short walk from the main campus. A superb modern multipurpose sports hall complements a second sports hall and range of indoor facilities at the centre, which include a futsal court, fitness suite and cricket nets. Outdoor facilities include floodlit artificial pitches, tennis courts and grass pitches. The Centre also hosts physiotherapy services and team conditioning sessions.

Fitness Centre – Park Place/ Senghennydd Road
This is located at the heart of the main campus. Facilities include a newly refurbished fitness suite with a wide range of cardio and resistance equipment. The Centre offers a friendly and personal approach to health and fitness with services such as personal training, individual programme design, fitness testing and nutrition advice.

The Centre also features a full range of Olympic-based and functional training equipment. It is designed to provide facilities for elite athletes to maximise their potential and give themselves that extra competitive edge. It includes Olympic lifting platforms, a sprint performance track and a wide range of benches and dumbbells. Used by international teams, including the New Zealand and Australian rugby teams ahead of matches against Wales, the Centre is suitable for all abilities from beginners through to professional athletes.

Within the Centre, Studio 49 is a large mirrored dance studio offering a wide range of fitness classes to suit all abilities. On offer are classes from spin to zumba, yoga and pilates to step aerobics.

Sports Fields – Llanrumney
We have 33 acres of first-class grass pitches (one of which is floodlit) 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.

In addition to the grass pitches, the site also has a newly constructed full-size 3G match pitch. The floodlit, all weather surface, is FIFA and IRB approved and includes a stand and warm-up area. This state-of-the-art facility means sport can be sustained throughout the winter months.

Sports Clubs
We provide you with the opportunity to participate in both elite and recreational sport. Currently there are over 60 clubs for men and women ranging from traditional sports (such as rugby and cricket) to martial arts, motorsports and water sports. Many of our clubs compete in the British Universities and Colleges Sport (BUCS) competition, 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 2015/16, we ranked in the top 12 UK universities competing in the BUCS competition.

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

High Performance Sports Programme
This helps students of the highest sporting potential to develop their sporting career whilst studying at Cardiff University. Financial awards are available to assist with training, travel and other essential expenses, while a comprehensive support programme ensures individuals have the necessary environment to excel in their given sport. Areas of support include; physical preparation such as physiotherapy, sports massage and strength and conditioning coaching, to other areas of support such as lifestyle management and academic support.

Cardiff University, together with the University of South Wales 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. In addition, Cardiff University together with Welsh Triathlon and Cardiff Metropolitan University form the Cardiff Triathlon Performance Centre, providing a performance environment for talented elite level triathletes.

Cardiff University is ranked in the top 12 UK universities in the British University and College Competition.

Sports Clubs include:

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<td>American Football</td>
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Cardiff has 33 acres of top quality grass pitches for outdoor sport

The Strength and Conditioning Centre has a full range of Olympic-based functional training equipment
International Students

Over 4,300 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.

Services for International Students

Before Leaving Home
We provide you with a personal and dedicated service from the time you make an application to us. We will send you important information throughout the admissions cycle and provide assistance if you have a question or need some advice.

Cardiff is one of the very few universities that offers overseas students, applying through the normal admissions cycle, a single occupancy room in University residences during term time and vacations for the whole of your degree programme. You will find details of the variety and high quality of Cardiff's student residences on page 26.

On Arrival in the UK

Coach Collection Service
We provide a free coach collection service from Heathrow and Cardiff airports in the week prior to September 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 both September and January and includes various events and activities designed to introduce you to the University, the city of Cardiff, and the surrounding areas. 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 are available from a number of sources should you need them, including your Personal Tutor, Student Advice Centre and Careers Centre. Our Student Support Centre has specialist international advisers who can help with issues such as visas, housing, finances or anything else you may wish to talk about.

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 throughout the year with the aim of making your time at Cardiff University as enjoyable as possible.

Computing Facilities
You will have 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 are internet connection points and Wi-Fi.

Jobshop
Most international students are able to work part-time, if their studies allow, 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.

Fees and Living Costs

Fixed Tuition Fees
International tuition fees are fixed for the majority of our three year undergraduate programmes for the duration of the course. This means the price you pay in year one will be the same in years two and three, making it easier to plan and budget.

Flexible Fee Payment
All self-financing students are permitted, at no extra cost, to pay tuition and accommodation fees in three equal installments throughout the year, which makes the payments easier for you and your family.

Living Expenses
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 won’t waste time and money on unnecessary travel.

Living expenses for a single student living in University-owned self-catered accommodation are £8,422 for nine months, or £9,833 if you intend to stay in Cardiff during your summer vacation.

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.

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 academic schools have individual requirements and may ask for higher scores. If your qualification is not listed, please contact us for advice.

IELTS: A score of 6.5 is required for most courses
TOEFL: A score of 90 or above for most courses
Pearson Test of English: A score of 62 or above for most courses
GCE or GCSE English: Grade C or above.
Cambridge Certificate of Proficiency in English: Grade C/185 or above
Cambridge Advanced English: Grade C/176 or above.

*In addition to the overall grade you may be required to achieve a certain level in sub-scores.
English Language Courses
We offer a comprehensive range of pre-sessional and in-sessional English courses. Please see page 148, or visit: www.cardiff.ac.uk/elt

International Foundation Programme
Our International Foundation Programme offers automatic progression to a range of degree programmes across many of our academic schools. The Cardiff University International Foundation Programme is the only foundation programme that offers automatic progression into Cardiff University. See page 149 or visit: www.cardiff.ac.uk/ifp

In your country
Education Exhibitions
Members of our 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 will be visiting your country.

Local Education Advisers
We work in cooperation with many local educational advisers in a range of countries. They can provide you with a local source of assistance when applying to study at Cardiff. To find out if there’s an adviser near you, visit: www.cardiff.ac.uk/international

Find out more . . .
For detailed information on all aspects of applying, studying and living in Cardiff please go online to: www.cardiff.ac.uk/international
If you have any questions, please contact one of the educational advisers, or the International Office, and we will be happy to help you:
Tel: +44 (0)29 2087 4432
Email: international@cardiff.ac.uk
Web: www.cardiff.ac.uk/international
www.youtube.com/cardiffinternational

Teaching and research are of the highest quality
There are over 4,300 international students at Cardiff University
Cardiff graduates have excellent career prospects
Coffee shops, cafés and restaurants can be found across the campus
Residences
Aberconway Hall 58
Aberdare Hall 60
Cartwright Court 57
Colum Hall 59
Gordon Hall 64
Hodge Hall 61
Liberty House 50
Roy Jenkins Hall 56
Senghennydd Court 63
Senghennydd Hall 62
Talybont Court 55
Talybont Gate 52
Talybont North 53
Talybont South 54
University Hall 51

Directions
For door-to-door directions to Cardiff, go to: www.cardiff.ac.uk/directions
Satnav Postcodes
Cathays Park Campus – Main Building: CF10 3AT
Heath Park Campus – CF14 4XN
The academic buildings, libraries, Students’ Union, most of the student residences and the city centre are within a short walking distance of each other.
## Degree Programmes

by Academic School

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### Statistics

The academic school entries of this prospectus include references to our performance in terms of student satisfaction, graduate destinations and research quality. The data sources are as follows:

- Student Satisfaction is based on the results of the National Student Survey 2016.
- Graduate destinations statistics are based on HESA Destination of Leavers of Higher Education 2014/15 data.
- Research quality statistics are based on our performance in the 2014 Research Excellence Framework.
Architecture

Our research spans the physical sciences, social sciences, humanities and design to foster excellence in key areas of architecture and the built environment.

95% of our students were satisfied overall.*

78% of our graduates are in employment and/or further study six months after graduating.*

We collaborate with universities, industry and architectural practices all over the world to ensure we maximise our student learning experience and the impact of our research.

Our internationally recognised academics work closely with our thriving postgraduate research community on projects such as the UK’s first purpose-built, low-cost energy smart house.

91% of our submitted research rated at least of international standard with 75% classed as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
Degree Programmes/ UCAS Codes

Single Honours
Architectural Studies BSc/MArch K100

Accreditation
This programme is accredited by the Royal Institute of British Architects and the Architects Registration Board

Typical Entry Requirements
These typical requirements are for guidance. Please check our website for latest information.

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 Physical Education are not considered.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 36 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.

Typical Entry Requirements

All Applicants
GCSE (or equivalent):
- Maths at grade B or grade 6.
- English Language at grade B or grade 6.
See page 153 for information about GCSE equivalencies.

Portfolio
Experience and/or a deep interest in art and/or design is an advantage. We ask all our applicants to send us a portfolio of four A4 size sheets, showing art and design work, as part of their application. Alternative grades and qualifications may be acceptable with an outstanding portfolio. Please see our website for more information.

Applications Information
Typical places: 70 Typical applications: 800

Find Out More
Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Enquiries: Anwen Cook and Kelly Butt
Tel: (029) 2087 5963
Email: architecture-ug@cardiff.ac.uk

We have an outstanding international reputation for our teaching and research. The School is ranked 35th in the 2016 QS World Rankings and is consistently placed in the top 5 schools of architecture in the UK league tables compiled by the Times, Guardian and Complete University Guides.

CardiffConnected
“Architecture offers the opportunity to be incredibly creative whilst developing a technical understanding of how buildings are constructed and how they perform environmentally. We have large studio spaces, a media lab and a fantastic library, plus for designing through models, we have a workshop and digital fabrication lab. I intend to become a qualified architect and feel strongly about the role that architecture can play in addressing poverty. Cardiff is a great city for students, with all the facilities of a capital city within walking distance.”

Tom Woodward Architecture

Careers
Job roles
Architect, urban designer, researcher and project manager.

Employers
Architectural practices, local government technical/environmental departments, construction companies and universities.
The Welsh School of Architecture has an outstanding reputation for architectural education and research.

Established in 1920, we have a history of attracting undergraduate and graduate students from around the world. The School is located at the heart of Cardiff’s Edwardian civic centre, close to the city centre. We have recently also established a flexible and modern studio space in the city centre. All our 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, introducing the concerns of architecture and the built environment. It is a programme of study complete in its own right for those who wish to have a design-based education. In addition, and provided you obtain a 1st, 2.1 or 2.2 class degree, and your marks for design work are over 55%, the BSc can lead to entry on the MArch programme.

BSc in Architectural Studies

Years One to Three (RIBA Part 1)

After completing the BSc programme you should be able to:

1. Master fundamental concepts and acquire an ability to access information concerning:
   - the constituent disciplines of architectural design
   - the basic disciplines of architecture.
2. Develop as a designer 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.

We develop your skills 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. Subjects include: architectural technology (building structures, environmental design, construction and materials); building through time; architecture in context; practice, management and economics; issues in contemporary architecture; and design principles and methods.
3. Visiting and studying cities, buildings and places in their actual context and physical environment at home and abroad.

Examinations and Awards

The degree is normally assessed through end of semester/year examinations and project work examinations. Successful completion of the three year course leads to the award of a classified Honours degree.

Master 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 in the UK.

It comprises two years of study, one of which is based at the School, the other predominantly in practice. Entry to the MArch is invited from graduates from other Schools who have at least an upper second class degree giving exemption from RIBA/ARB Part 1.

There is no automatic right to progression from BSc to MArch within the School although graduates from the BSc in Architectural Studies are given priority provided they meet the required standards.

After completing the MArch programme you should be able to:

1. 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. 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. 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 develop your skills through:

- A period of time in practice which consists of at least nine months’ placement in an architectural practice, where you will undertake study and design modules and make a number of return visits to the School for short courses. Students find their own places in employment whilst staying in contact with the School and returning for a number of short residential courses during this period of study.
- 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. There are opportunities for you to undertake overseas study visits. Please also see Global Opportunities on page 24.
- Lecture-based modules which include subjects such as Contemporary Architectural Design and Practice, and Management and Economics.

Examinations and Awards

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

We have one of the largest and most successful Schools of its type in the UK.

86% of our graduates are in employment and/or further study six months after graduating.*

We are home to the Welsh Centre for Anatomical Education.

84% of our students were satisfied overall.*

98% of our submitted research rated at least of international standard with 84% classed as “internationally excellent” or “world leading”.*

There are scholarship opportunities for students choosing to study part of their course through the medium of Welsh.

To find out more visit: www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours

<table>
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<th>Degree Program</th>
<th>Code</th>
<th>Duration</th>
<th>Notes</th>
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</thead>
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<tr>
<td>Biological Sciences BSc</td>
<td>C100</td>
<td>3 years</td>
<td></td>
</tr>
<tr>
<td>Biochemistry BSc</td>
<td>C101</td>
<td>4 years*</td>
<td></td>
</tr>
<tr>
<td>Biomedical Sciences BSc</td>
<td>C700</td>
<td>3 years</td>
<td></td>
</tr>
<tr>
<td>Neuroscience BSc</td>
<td>C701</td>
<td>4 years*</td>
<td></td>
</tr>
<tr>
<td>Biological Sciences MBiol</td>
<td>B97</td>
<td>4 years</td>
<td></td>
</tr>
<tr>
<td>Biochemistry MBiochem</td>
<td>B98</td>
<td>4 years*</td>
<td></td>
</tr>
<tr>
<td>Biomedical Sciences MBiomed</td>
<td>B99</td>
<td>5 years*</td>
<td></td>
</tr>
<tr>
<td>Neuroscience MNeuro</td>
<td>B100</td>
<td>4 years</td>
<td></td>
</tr>
<tr>
<td>Biological Sciences MBiol</td>
<td>L9Y7</td>
<td>5 years*</td>
<td></td>
</tr>
<tr>
<td>Biochemistry MBiochem</td>
<td>386N</td>
<td>5 years*</td>
<td></td>
</tr>
<tr>
<td>Biomedical Sciences MBiomed</td>
<td>51T8</td>
<td>5 years*</td>
<td></td>
</tr>
</tbody>
</table>

*These programmes include a Professional Training (Sandwich) Year.

Further Degree Options

If you enter on one of our four entry BSc degrees, you will also have the option of graduating with one of the below degree titles if you wish:

- BSc Biological Sciences (Zoology)
- BSc Biological Sciences (Genetics)
- BSc Biomedical Sciences (Anatomy)
- BSc Biomedical Sciences (Physiology)

Preliminary Year

BSc Programmes with a Preliminary Year may be four years (without Professional Training) or five years (with Professional Training).

See page 150 for UCAS course codes.

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

A-level:

- **BSc**: For students taking Biology or Chemistry A-level a typical offer would be AAB, where an A grade must be achieved in the Biology or Chemistry A-level. Students taking Biology and a second science A-level are typically made an offer of AAB-ABB. The most common second science subjects are Chemistry, Maths, Physics, Psychology, Physical Education, Environmental Science and Geography. A full list of acceptable science A-levels is available on our website – search ‘Biosciences admissions criteria’.
- Two AS-levels may take the place of a non-science A-level and a Core Maths qualification is counted as an AS-level-equivalent.
- Critical Thinking and General Studies A-levels are not accepted.

**Integrated Masters**: AAA to include either Biology or Chemistry.

WBA:

The Advanced Welsh Baccalaureate (Level 3) may take the place of a non-science A-level if the Skills Challenge Certificate is awarded at the same grade as the non-science A-level requirement.

IB:

- **BSc**: 34 Points including 7 in Biology and 7 in Chemistry at Higher Level OR 35 Points with 666 at Higher Level to include either Biology or Chemistry.
- **Integrated Masters**: 36 Points with 766 at Higher Level to include 7 in Biology or Chemistry.

**BTEC Extended Diploma in Applied Science**

**BSc and Integrated Masters**: DDD with Distinction (D) grades in the Mandatory Units.

Access to HE Qualifications

The Access to Higher Education Diploma (Biosciences) awarded by Agored Cymru is suitable for entry into our courses with the following attainment.

- **BSc**: 30 level 3 credits to be awarded at Distinction, 15 to be awarded at Merit.
- **Integrated Masters**: 45 level 3 credits to be awarded at Distinction.

**GCSE Requirements**

- GCSE Maths or Numeracy at grade C or grade 4.
- GCSE English Language or Welsh at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

Preliminary Year

Our Preliminary Year Course has similar academic requirements but is suitable for applicants not undertaking science subject qualifications.

Alternative qualifications

Applications from those offering alternative qualifications are welcome, as are those who may have combinations of qualifications or other relevant work/life experience. If you would like to know the entry requirements for a specific qualification not listed here, please contact one of our admissions tutors using the details below and we will advise you whether the qualification is suitable for entry.

Find Out More

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)

School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions Tutors:

- Dr Andrew Shore
- Dr Zoe Prytherch

All degrees:

Email: bioscience-ug@cardiff.ac.uk

Tel: 029 20874296
The School of Biosciences has an international reputation for its teaching and research, and offers one of the top research-led bioscience curricula in the UK. At Cardiff, you will undertake a dynamic curriculum that spans the full spectrum of our academic interests in biological, biomedical and biochemical sciences.

You can enter the School of Biosciences on one of our four entry degree programmes - Biological Sciences, Biomedical Sciences, Biochemistry or Neuroscience. However, our courses are designed with flexibility and student choice in mind so, as you move through the course, you may choose to specialise in a particular area or even transfer to one of the other degrees offered by the School – either one of our four entry degrees or one of our four additional 'exit' degrees, which offer specialisation in Zoology, Genetics, Physiology or Anatomy.

All of our degree programmes start with a common first year, which gives you a broad spectrum of biological topics, helping you to decide which specific degree path to pursue in the second and final years.

All of our degrees can be taken as a ‘Sandwich’ programme in which your third year is spent on a work placement related to your degree. Experience shows that this greatly enhances your subsequent employment prospects.

Field courses are an important element of some of our degrees, and our Biosciences field courses rank among the best on offer at any British university.

In co-operation with the University Careers and Employability 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. In addition to subject-specific skills, we are also fully committed to assisting you in developing a wide range of transferable skills.

Our research is highly rated and our courses include staff who are leading experts in their fields, allowing you to experience the excitement of learning in an active research environment. We attract substantial external research funding and this will allow you to make use of the latest equipment, techniques and facilities in your project work.

We are based in the modern Sir Martin Evans Building, named after our founding director and Nobel Prize winner. Our location is right in the centre of the Cathays Park campus and close to the Students’ Union, libraries, support services and several university residences. We’re also only a few minutes walk from Cardiff’s shopping centre.

**Careers**

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

- Agro-industry
- 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

Our graduates also develop many transferable skills which are 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.

Examples of recent graduate careers: Ecologist, Laboratory Researcher, Lecturer, Forensic Scientist, and Environmental Scientist.

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**Cardiff Connected**

“One of the highlights of the first year at the School of Biosciences is the opportunity to study so many different topics within one degree scheme, and the flexibility to specialise and change degree as you develop your interests and knowledge. The practicals are really interesting and relevant to the modules, and the feedback is great!”

Anna White  Biomedical Science
Our Common First Year

At Cardiff, we believe that a holistic approach is important in the early stages of a bioscientist’s training. As the fundamental knowledge required for biological, biomedical and biomolecular subjects is similar, we deliver a broad year one curriculum with a common starting point, which enables you to progress and divert into more specialised areas of learning in years two, three and four (Integrated Masters option). This common first year enables flexibility in future degree choices; at the end of the first year you can decide to stick with your original degree registration, or to choose a different degree within the School that is more suited to your aspirations and academic interests. Full pathway guidance will be provided by our supportive academic staff.

If you are on the three-year BSc, you also have the option of switching to a four-year ‘Sandwich’ course which includes a professional placement in industry or academia.

Furthermore, depending on availability and your Year One academic attainment (an average of more than 60% over Years Two and Three), you may also have the opportunity to change your course to one of our Integrated Masters degrees.

First Year Content

The first year provides a firm foundation in all the biological disciplines, and essential related fields, ensuring that you are well-prepared for subsequent studies in the second and final years. Lectures are supported by extensive practical and problem solving classes.

You will study the modules listed below:
- Skills for Science
- Structure and Function of Living Organisms
- Organisms and Environment
- The Dynamic Cell
- Biological Chemistry
- Genetics and Evolution

Years two and three offer additional degree options

In the second and final years we offer a truly flexible programme which enables you to select the degree pathway that best fits your interests and aspirations. Depending on the module choices you make in years two and three, you may, if you wish, graduate with a different degree to the one you entered on, including one of our four additional degrees in Anatomy, Genetics, Physiology, and Zoology.

This system allows you an almost completely free choice of modules (subject to space and timetabling restrictions), and the modules you choose will lead to your degree designation.

You will, therefore, have more choice and control over your studies, and have the option of graduating with a more specialised degree should you wish to. An illustration of how you can achieve that is shown in the figure below.
The Four Year Integrated Masters Programme

Our Integrated Masters programmes offer the opportunity to take your studies to the next level and form an excellent basis for a career in scientific research.

This four-year undergraduate course enables you to explore the current frontiers of knowledge in your chosen field and provides training in advanced research techniques. In the fourth year, you will complete an extended research project in your chosen area.

You may apply for entry to an integrated Masters programme through UCAS (see entry requirements, page 46), or you may have the option to switch to a Masters programme before Year Three, subject to space constraints and academic achievement. If you enter on an Integrated Masters programme, progression to years Three and Four will depend on satisfactory academic performance with the option to switch to a BSc degree if required. Integrated Masters may also be taken with a sandwich year, dependent on student loan availability.

Students joining the integrated Masters courses will need to achieve an average of 60% in years One and Two. If a lower average is achieved students will be transferred to the most suitable BSc course.

BSc students achieving over 60% in years 1 and 2 will have the opportunity to join the Integrated Masters courses subject to available space.

### BSc Biological Sciences (and MBiol)

Our Biological Sciences course allows the greatest possible flexibility, enabling you to select modules across virtually the whole range of subjects that the School offers in years two and three, with the exception of practical human anatomy (though you will still cover human anatomy in year one). You can decide how your academic experience develops. You can decide to specialise in a particular area or choose to maintain an interest in the broad basis of Biological subjects and explore the interdisciplinary research that underpins much of the School’s success.

A wide choice of subjects is available to study including, but not limited to: animal and plant biology, microbiology, genetics, systems biology, ecology, disease, behaviour, neuroscience, cell biology, development and evolution. Our modules provide the opportunity to develop a wide range of practical laboratory and field skills that underpin modern interdisciplinary research and, depending on module selection, you may have the opportunity to undertake a field course in the UK or overseas.

Recent graduates have gone on to careers in research institutes, environmental consultancies, drug companies, the NHS, teaching, and many non-biological careers, such as banking and management.

A significant number progress to undertake Masters or PhD qualifications.

### BSc Biological Sciences (Genetics)

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

This ‘exit degree’ specialisation requires your second and third years to include advanced courses on molecular genetics and genomics and 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, conservation biology or behavioural ecology.

If you would like to study BSc Biological Sciences (Genetics), please apply for our BSc Biological Sciences entry degree, after which you can choose the appropriate modules in years Two and Three to gain this degree title.

### BSc Biological Sciences (Zoology)

Zoology provides a real insight into the roles of all kinds of animals in their ecosystem, and this is vital knowledge if we are to maintain healthy natural environments, control pests and diseases, conserve biodiversity and preserve endangered species, as well as develop a sustainable human population.

This degree caters for anyone interested in the broad field of animal biology. It includes the evolution and diversity of the main animal groups, including ecology, physiology and genetics, and optional field courses form an important part of the degree. The School has particular expertise in behaviour and brain function, and both behaviour and neuroscience form part of this course. 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. Many of our sandwich students have completed professional training in the research departments of universities and animal collections around the world.

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

If you would like to study BSc Biological Sciences (Zoology), please apply for our BSc
Biomedical Sciences entry degree, after which you can choose the appropriate modules in years two and three to gain this degree title.

**BSc Biomedical Sciences (and MBiomed)**

Biomedical Sciences is the science that underpins medicine and medical research. Our Biomedical Sciences degree course covers a broad base of biological subjects such as human physiology, human structure, pharmacology, biochemistry, genetics and microbiology. The curriculum is informed by the extensive range of biomedical research undertaken within the School of Biosciences and at the University Hospital of Wales, giving you the opportunity to be trained in contemporary topics including cancer biology, stem cells, tissue engineering, gene therapy, and neurodegenerative diseases. In your second and final years, the course allows you the flexibility to choose the subjects that interest you most and you will study these in more depth, with greater emphasis on independent learning.

The skills and knowledge you develop on our Biomedical Science degree 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 encompasses the study of all levels of human structural organisation, from the sub-cellular to the population. Traditionally, anatomical study has taken place through observation and dissection, supported by histology and embryology. Recent advances in cell and tissue biology, and 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 approach of human dissection is combined with the more recent developments to provide you with a stimulating and thoroughly up-to-date degree programme. On this degree, human topographical anatomy is taught alongside developmental/cell biology, pathophysiology, neurobiology, stem cell biology and tissue engineering. The number of students able to join this ‘exit degree’ is limited on this course due to constraints in the Anatomy Centre where dissection is taught.

If you would like to study BSc Biomedical Sciences (Anatomy), please apply for our BSc Biomedical Sciences entry degree, after which you can choose the appropriate modules in years two and three to gain this degree title.

**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, and has always been closely allied to Medicine. Although there is constant interaction between clinical research and physiological science, much physiological work is undertaken by scientists rather than clinicians. On this course, the modules you study in 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.

In your final year, you will take modules that reflect the School’s expertise in the areas of cell-physiology, neurophysiology and pathophysiology. You will also have the opportunity to lead or participate in small discussion groups to critically review current research findings.

If you would like to study BSc Biomedical Sciences (Physiology), please apply for our BSc Biomedical Sciences entry degree, after which you can choose the appropriate modules in years two and three to gain this degree title.

**BSc Neuroscience (and MNeuro)**

Neuroscience is the study of nervous systems and their component nerve cells. How the human brain works may be one of the most intriguing of all scientific questions. Can the brain understand the brain? Can it understand the mind? Is the brain a giant computer or something more? This course will demonstrate how 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.

In year two, you will study topics in membrane biophysics, pharmacology, anatomy of the human brain, psychological analysis, practical neuro-physiology, cellular signalling and neuroendocrinology. Your final year modules will cover current research on the biology of nervous system disorders, sensory processing and perception, neuronal development and plasticity.

**BSc Biochemistry (and MBiochem)**

Biochemistry is the study of biological systems at the molecular level, and it has a rich history of scientific discoveries, from enzymology and metabolic pathways to the discovery of genes and the structure of DNA. Biochemistry at Cardiff focuses on the forefront of the subject today, including recent scientific advances covering a range of biological disciplines, from genetics, medicine and biotechnology. This course provides an excellent foundation for careers within all areas of biological and molecular sciences, and solid training for a research scientist.

The common first year provides a grounding in essential subjects, including a biological chemistry module that present topics at the chemistry/biology interface and modern analytical techniques. Your second year will put greater emphasis on the experimental basis of biochemistry, and you will have the opportunity to use modern research techniques such as recombinant DNA manipulation and analysis, protein and lipid biochemistry and microbiology, with a strong focus on data manipulation and interpretation. You will also gain a sound grounding in more advanced areas of gene function, molecular genetics, protein biochemistry, metabolism, cell biology, development, evolution and cell signalling.

In your final year, you can investigate areas of current importance in biochemistry such as synthetic biology and protein structure, genetic engineering, stem cell biology and tissue engineering. Tutorials and research seminars on wider aspects of the subject, including medical and industrial applications, will extend the scope of your learning.

**Other information**

**Transferable Skills**

All of our degrees enable you to develop your IT skills through the use of databases, spreadsheets, molecular modelling, and other software. You will also have the opportunity to develop your communication skills through 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 include one or more substantial items of independent learning that involve the production of high-quality reports; this encompasses the final-year project, but could also (in some programmes) include a final-year field course module, or professional training year project.

If you take a sandwich degree programme, your year in professional training will help you to develop teamwork and presentational skills, enhance your independence and self-confidence, and, in many cases, give you the opportunity to practise supervisory skills.
Field Courses
Direct experience of animals, plants, and microorganisms in their natural habitats is an important aspect of modern biology. We run a wide range of courses that provide hands-on experience of modern biological techniques and practical in-field skills. Recent examples include bird-ringing, small mammal trapping, pitfall trapping, microbial analysis and surveying for bats.

In your second year, students on the Ecology and Conservation module can choose from several specialised, project-based courses that run in a variety of locations throughout the world. Our field courses typically include tropical ecology (Borneo, Malaysia), marine ecology (Caribbean and Malaysia), island ecology (Wales), river ecology (Wales) and woodland ecology (Wales). Please note: availability of individual field courses can be affected by travel constraints or staff availability.

Residential field courses that take place outside of Cardiff incur additional costs, however, these are partially offset by contributions the School makes to the courses’ running costs.

Professional Placement (Four-Year Sandwich Degree Programmes)
An attractive feature of our degrees is that all of them can be taken as sandwich courses in which your third year is spent away from the School gaining relevant work experience. If you choose this option, your first and second year will be taught jointly with students not doing a placement year, and the content of the two programmes will be identical, apart from the year spent on placement. Your year will usually be spent with a single organisation, and you will undertake your own research project as part of your placement. Our Placement Coordinators will help you to choose and arrange your placement, and will also confirm that it is suitable. We make every effort to ensure that your placement gives you the type of practical experience and training appropriate to your degree and career aspirations.

Our students are placed in a range of organisations including pharmaceutical and biotech companies, hospital laboratories, private and governmental research organisations, zoos, wildlife trusts and other environmental organisations - recent examples include GlaxoSmithKline, AstraZeneca, the Forensic Science Service, The Francis Crick Institute, Bristol Cancer Research Centre, the Environment Agency, the Royal Botanic Gardens in Kew, the Durrell Wildlife Conservation Trust (Jersey), the European Molecular Biology Laboratory (Hamburg), the Bimini Shark Lab (Bahamas) and Toronto Zoo. Many students also choose to undertake placements at universities both inside and outside the UK – recent examples of placement destinations include universities in France, Italy, Germany, Malta, Spain, USA, Australia, New Zealand and South Africa. You should note that individual placements are subject to availability and cannot be guaranteed.

Throughout your placement year, you will continue to receive support from the School and the University. Your placement year will be assessed and will count towards your final degree. Some placement students receive a salary while on placement and others may receive a stipend (e.g. Erasmus studentship); if you do not receive a salary you will usually be eligible to apply for a student loan.

The ‘Sandwich’ Year is available to all students and is not dependent on you achieving certain grades in years One and Two (though we would expect you to be doing well in order to be a competitive applicant for placements). You can also enter the University on a Three year BSc course, then choose to switch to a Four-year Sandwich programme in Year Two if you wish.

Preliminary Year (Foundation Level)
This Level 3/4 foundation course leads to a BSc in any of our degree subjects. It is available to students who do not qualify for direct entry into the first year because they lack appropriate A-level subjects, or have experience in a scientific sector but limited formal qualifications. Students who successfully complete the Preliminary Year proceed automatically to the first year of their chosen degree.

We deliver 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 are studied alongside 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
In the first and second years, formal lectures and laboratory-based classes are supplemented by small-group tutorials and group project work, culminating in group presentations. In the 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 School’s research activities.

Methods of Assessment
Progress and attainment is assessed through a combination of formal end-of-module examinations 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 151.

Research
We have an active and highly productive research culture currently comprising over 150 academic staff, many externally-funded researchers and over 130 postgraduate research students. Our primary areas of research strength are cancer stem cells, 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.
We are one of only 11 Business Schools in the UK that are both AACSB Accredited and a member of the Russell Group.

88% of our graduates are in employment and/or further study six months after graduating.*

We are ranked among the world’s top 100 universities for Business and Economics in the 2016-2017 Times Higher Education World University rankings by subject.

82% of our students were satisfied overall.*

We are one of only two business schools in the UK to be ranked in the top ten in each of the Government’s five research assessment exercises since 1992.

99% of our submitted research rated at least of international standard with 86% classed as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours

Accounting BSc* N400
Accounting and Finance BSc* N490
Business Management BSc* N201
Business Management (Human Resources Management) 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 (with French) N410
Accounting with a European Language BSc (with German) N4R2
Accounting with a European Language BSc (with Spanish) N4R4
Business Management with a European Language BSc (with French) N290
Business Management with a European Language BSc (with German) N1R2
Business Management with a European Language BSc (with Spanish) N1R4
Economics with a European Language BSc† (with French) L160
Economics with a European Language BSc† (with German) L1R2
Economics with a European Language BSc† (with Spanish) L1R4
Business Economics with a European Language BSc (with French) L1R9
Business Economics with a European Language BSc (with German) L1RX
Business Economics with a European Language BSc (with Spanish) L1RY
Banking and Finance with a European Language BSc (with French) N3R9
Banking and Finance with a European Language BSc (with German) N3R2
Banking and Finance with a European Language BSc (with Spanish) N3R4
Banking and Finance BScEcon* N300
Business Economics BScEcon* L114
Economics BScEcon† L100
Economics and Finance BScEcon† LN13

Joint Honours

Economics and Management Studies BScEcon† LN12
Economics and a Humanities Subject See page 146
Business Studies and Japanese BSc NT12

* This degree is also available with a Professional Placement Year.
† Economics (L100), Economics and Finance (LN13) and the three Economics with a European Language options, differ in requiring A-Level Mathematics, grade B.

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

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 at grade B or above.

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.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 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.

Applications Information

Typical places: 600 Typical applications: 3,500

Find Out More

Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Enquiries:
Tel: (029) 2087 5755
Email: business-ug@cardiff.ac.uk
Facebook.com/BusinessCardiff
@Cardiffbusiness

We have outstanding facilities, including the Julian Hodge Lecture Theatre and Resource Centre and an impressive Teaching Centre, with a fully-equipped Trading Room. This real-time, ‘real world’ simulated space provides you with the skills, knowledge, and competitive advantage to achieve your career ambitions. We also have sophisticated lecture theatres and numerous study zones.
Cardiff Business School, the world’s first Public Value Business School, has an international reputation for teaching and research excellence. It offers a dynamic, friendly environment and attracts a global student population.

We place public value at the heart of our research, teaching and engagement activities. This means that we are committed to addressing the grand challenges facing business and management and delivering both economic and social value.

By embracing interdisciplinary working, with academic colleagues, business partners and the third sector, we believe we can help find solutions to a range of social ills and reframe how people think of business and management.

We have outstanding facilities, including the Julian Hodge Lecture Theatre and Resource Centre and a Teaching Centre, with a fully equipped Trading Room. This real-time, ‘real world’ simulated space used on a number of our degree programmes, provides you with the skills, knowledge, and competitive advantage to achieve your career ambitions. We also have sophisticated lecture theatres and several study zones.

We offer a range of degree programmes in accounting, business management and economics. If you prefer a broader education, these subjects can be combined with a second discipline and we offer the following options: you can combine Economics with a range of other disciplines, including Management Studies but also Politics, Philosophy and Modern Languages (see page 146).

If you 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. These degree programmes have the added attraction of a year’s study at a university abroad to further develop language skills.

The School of Modern Languages offers a Joint Honours degree with the Business School in Business Studies and Japanese (see page 113).

All our degree programmes are of three years’ duration, except those which include a language or a placement. All undergraduate students have the opportunity to take an optional intercalated year of study abroad as part of their degree. These 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.

Your first year 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 of you who may change your aspirations or areas of interest after beginning your studies. Exceptions to this are the programmes with Economics which have specific entry requirements.

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.

**Enhancing Your Degree**

If you decide that you would like to undertake a year-long placement, you can either apply to one of our with Professional Placement Year programmes or transfer into one at any time up until the end of your second year of study. The placement is undertaken in the third year of a four-year degree programme.

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**Careers**

We are committed to supporting students to achieve their career ambitions and seek to complement their academic study with practical experience. Our dedicated, on-site, Careers and Employability Centre, provides career consultations, workshop sessions focusing on interview preparation and CV writing, supports graduate events and provides placement and work experience opportunities. It also offers psychometric assessment and broad skills training opportunities.

Some of our graduates choose to remain with us and study for higher degrees. We offer supervision for degrees by research, as well as a range of postgraduate taught programmes in Business Administration, Accounting and Finance, Banking, Human Resource Management, Economics, International Management, Maritime Policy and Shipping, and Marketing and Strategy.

**Job roles**

Accountant, business analyst, economist, HR manager, lecturer, marketing executive, production manager and stockbroker.

**Employers**

Banks, local and international governments, shipping companies, auditors, airlines and organisations such as Deloitte, the European Commission, the Welsh Government, Microsoft, Rolls Royce, HSBC and L’Oréal.

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**CardiffConnected**

“Studying BSc Business Management at Cardiff University has been a great experience. The wide range of optional modules, from marketing to accounting, all examine real-world and relevant topics with a high standard of teaching. Having undertaken the Integrated Work Placement route, my 5-month placement provided me with an invaluable insight into understanding business in practice and being able to apply what I’d learnt in lectures and seminars to the workplace. The support for students and facilities within Cardiff Business School, combined with the teaching and opportunities, have made my time at Cardiff thoroughly enjoyable.”

**Bertie Weber**  BSc Business Management

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This innovative programme is designed to provide a thorough knowledge of the main disciplines relevant to management and business, together with an appreciation of the different functional areas involved in business organisations. It provides a combination of theoretical ideas and practical techniques which gives a thorough grounding for a variety of careers in a range of management functions such as marketing and human resource management, as well as in general management. The programme includes a 20-week work placement in the second semester of Year Two, affording you the opportunity to explore and evidence the core business management disciplines in a real life work setting.

- 20 week work placement in second semester of Year Two
- Placements in organisations such as Admiral, Arriva Trains, Deloitte, HSBC, Network Rail, Barclays
- Credit-bearing experience
- Local business experience
- Paid placement (at least minimum wage).

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 our 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, and the management of public services, business ethics, supply chain management and strategic marketing.

If you are taking the Business Management (International Management) route and satisfy minimum Year One performance requirements you will have the opportunity to spend the second semester of the second year studying abroad.

The semester abroad involves studying modules taught and assessed in English at one of our partner universities worldwide. Studying abroad provides an opportunity to expand horizons and gain that international experience which is so highly sought after in the global employment market.

If you follow the specialist route in Logistics and Operations you may be entitled to exemptions from some of the examination requirements of the Institute of Logistics and 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.

### Accounting/Finance

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. The placement will also count as the first year of the ACA qualification so you can qualify as a professional accountant in two years, rather than three, 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

The programmes also provide a sound background for finance-related careers 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.

In Years Two and Three, the modules you take will be determined by your chosen degree programme.

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 or Joint Honours degree programme, see page 53 listings of programmes.

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 One, 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. You must pass all of your first year modules in order to progress to Year Two.

If you achieve a 60% average in your first year and pass all modules at the first sitting, you are eligible to apply for our BSc Business Management with Integrated Work Placement.
Economics

Economics can be studied as a Single or Joint Honours degree programme, see page 53 listings of programmes.

The Economics degree programmes are designed to provide you with 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.

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 you the opportunity to study in our Trading Room and gain invaluable experience for careers in finance. Additionally all undergraduates can utilise the Trading Room in extracurricular activities via the Cardiff University Investment Society (which runs a Live Forum via Facebook). A weekly Financial Forum is held which helps to provide you with a better understanding of the ways in which financial 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 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

This degree programme offers you 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 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.

Degrees with a European Language

We offer 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 Switzerland 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 Swiss 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.

Business Studies and Japanese

For more information, please see page 116.

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 in which the weighting is 30%, 10% and 60% for years 2, 3 and 4 respectively.

Visiting the Business School

We hold several Offer Holder Days during February and invitations are sent automatically to all applicants who receive an offer of a place. In addition, general pre-applicant Open Days are held at the University in April, July, September and October.

If you are interested in attending a general Open Day please see:

www.cardiff.ac.uk/opendays
<table>
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<th>86% of our students were satisfied overall.*</th>
<th>89% of our graduates are in employment and/or further study six months after graduating.*</th>
<th>Our research community has over 50 postdoctoral scientists and 100 postgraduate research students, and is supported by national and international funding bodies.</th>
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<td>All of our undergraduate degree programmes are accredited by the Royal Society of Chemistry.</td>
<td>Our state-of-the-art research facilities and equipment enable research in all branches of core and interdisciplinary chemistry.</td>
<td>97% of our submitted research was rated as “internationally excellent” or “world leading”.*</td>
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*See page 40 for details of statistical sources.
Degree Programmes/ UCAS Codes

Single Honours
Chemistry MChem (4 years) F103
Chemistry BSc (3 years) 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

Accreditation
All our programmes are accredited by the Royal Society of Chemistry.

Typical Entry Requirements
These typical requirements are for guidance. Please check our website for latest information.

A-level: AAB including grade B in Chemistry and a pass in the practical element of the A-level.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 32 points, including 10 from 2 Higher Level subjects to include Chemistry with a minimum of a 5 and another from Maths, Biology or Physics.

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

Preliminary Year: Entry for this programme is for those without the usual qualifications in chemistry. See page 150 for further details.

Specific Subjects
Chemistry and ideally at least one other science or mathematical subject.

GCSE requirements (or equivalent):
• Maths at grade C or grade 4.
• English or Welsh at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

Careers
Job roles
Pharmaceutical development scientist, materials analyst, catalyst researcher, patent attorney and chemistry teacher.

Employers

Applications Information
Typical places: 180  Typical applications: 450

Find Out More
Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Admissions Enquiries: Dr Tom Tatchell
Tel: (029) 2087 0759
Email: chemistry-ug@cardiff.ac.uk

CardiffSchoolofChemistry  @CU_Chemistry  cardiffchemistry

Our laboratories have all been refurbished to a high standard and provide first-class facilities for the extensive practical and project work. There is a wide array of spectroscopic instrumentation within this successful research school and it is where your final year research project will be undertaken.

CardiffConnected
“My ambition was to work in the Pharmaceutical industry; therefore as an undergraduate, I wanted to gain valuable professional experience that came with the application of science in a real working environment. This would give me an edge on other students when applying for jobs after graduation. Whilst at GE Healthcare, I worked in developing a diagnostic radiopharmaceutical for the visualisation of integrins such as αvβ3 and αvβ5 in specific diseases e.g. cancers. The experience gave me an insight into how blue chip companies work and instilled in me an array of transferable skills e.g. presenting to large audiences, ICT and problem-solving skills. The distance learning provided by the School also means you don’t get left behind when you come back into your fourth year.”

Tom Edwards  MChem with a Year in Industry
Combining teaching excellence with cutting-edge research, in conjunction with extensive industrial contacts, our degrees make for a first-class learning experience and a secure start to your career.

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.

**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. In addition to our MChem Chemistry programme, we offer two further MChem programmes: 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, or following a research programme in an overseas university, typically in Europe, Asia, North America or Australia. Also see Global Opportunities on page 24.

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 you have the opportunity to change between the MChem and BSc programmes, 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 staff members who are diverse internationally and in terms of chemistry backgrounds. Areas of speciality include synthetic chemistry, nanotechnology, catalysis and biological chemistry and are continually updated to reflect the latest scientific breakthroughs.

Research projects allow you to employ skills learnt in the teaching laboratory in a research environment, working under the supervision of one of our experienced staff members. You are trained to use a wide variety of instruments and spectroscopic facilities housed within the School. These can include equipment such as micro reactors, fluorometers and X-ray photon spectrosopes alongside NMR, IR and MS which constitute the solid basis upon which chemical analyses are formed.

Teaching methods include 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 we are willing to help you with any academic difficulty. In addition, you will have a personal tutor who can advise on any academic or personal problem.

**Structure of our Degree Programmes**

In the first year, three-quarters of your time is spent on compulsory modules covering the breadth of the subject. In the remaining time, you may choose optional topics from a range which currently includes environmental chemistry, chemistry of the cosmos, forensic chemistry, new materials, energy sources, and a choice of language modules. A module in mathematical methods is taken if you don’t have 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 you 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.

**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 undertaken, as well as the work tasks assigned by the industrial host, and the entire year is assessed as part of the degree.

In the BSc programme with Industrial Experience, the placement offers you the opportunity for paid work experience, but without the additional academic requirements and assessments. You 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 (please also see page 24).

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, you 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, you will receive regular informal feedback to help identify and rectify individual needs and ensure a steady development.

**Careers**

The range of careers open to chemists is extensive and our graduates have been successful in obtaining positions 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.
We work alongside the British Computer Society (BCS) to ensure that our degrees are relevant to the latest demands in industry.

91% of our graduates are in employment and/or further study six months after graduating.*

Studying a year in industry allows you to apply the skills and understanding gained from your course in the workplace, enhancing your employability.

80% of our students were satisfied overall.*

We collaborate with more than 100 UK Academic and Industrial partners.

99% of our submitted research rated at least of international standard with 79% classed as “internationally excellent” or “world leading”.*

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours

Applied Software Engineering BSc (3 years) 4JVD

Computer Science BSc (3 years) G400

Computer Science with a Year in Industry BSc (4 years) G401

Computer Science with High Performance Computing BSc (3 years) GLGK

Computer Science with High Performance Computing with a Year in Industry BSc (4 years) GKG7

Computer Science with Security and Forensics BSc (3 years) G4F4

Computer Science with Security and Forensics with a Year in Industry BSc (4 years) GKF4

Computer Science with Visual Computing BSc (3 years) G4G7

Computer Science with Visual Computing with a Year in Industry BSc (4 years) GKGL

Computer Science with Visual Computing with a Year of Study Abroad BSc (4 years) 303V

Computer Science with a Year of Study Abroad BSc (4 years) 211V

Computer Science with High Performance Computing with a Year of Study Abroad BSc (4 years) 125V

Computer Science with Security and Forensics with a Year of Study Abroad BSc (4 years) 303V

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.


WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.


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

All Degrees

GCSE requirements (or equivalent):
• Maths at grade B or grade 6.
• English Language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

BSc Applied Software Engineering requires a grade C or grade 4 in Mathematics.

Applications Information

Typical places: 125  Typical applications: 1,200

Find Out More

Web: www.cardiff.ac.uk/courses

School Brochure: www.cardiff.ac.uk/pubs/ug

Admissions Tutor: Dr Jianhua Shao

Tel: (029) 2087 4812

Email: comsc-ug@cardiff.ac.uk

Facebook.com/csicardiff

@csicardiff

@CUSoftAcademy

Careers

We have strong links with many large names in industry, providing you with excellent opportunities to take advantage of employer visits, talks and workshops. You can also further enhance your CV and boost your employment prospects by choosing your degree with a salaried Year in Industry, or you could opt to undertake a summer placement with support from the School. Some graduates have chosen further study or research at Cardiff or other top universities.

Employers

BAE Systems, BT, the Civil Service, Confused.com, Deloitte, EADS, Fujitsu, GCHQ, General Dynamics UK, IBM, the MoD, Red Hat, Thomson Reuters.

Cardiff Connected

“My time at the National Software Academy has vastly improved my commercial awareness of industry standards and technologies. Working with industry and academic experts, I’m able to get the best of both worlds whilst getting involved in a huge variety of projects. The best thing about my work is that every day I’m learning something new, sharing the knowledge and enjoying it.”

Vanessa Yau  Student at the National Software Academy, Newport
The dynamic fields of Computer Science and Informatics underpin many aspects of modern life.

Our multidisciplinary research shapes our degree programmes, making them relevant to today’s employers and well placed to take advantage of tomorrow’s developments. Our teaching is of the highest standard and we believe professional accreditation is important. BCS, the Chartered Institute for IT, regularly reviews our Single Honours undergraduate degree programmes.

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

**BSc Computer Science**

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

**Year One** is broad-based, introducing you to the essential computing skills and concepts that 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 Two** Modules will expand your understanding, skills and experience by introducing more advanced topics. The structure and processing of data are explored, and you take part in a group project tackling real-world problems in the areas of system development and implementation.

**Year Three** focuses on advanced topics, such as image processing and multimedia or large scale 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. You will also 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** – focuses on distributed 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** – provides 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 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 visualisation.

**Year in Industry**

The aim of our Year in Industry degree is to provide you with the opportunity to gain valuable work experience as part of your undergraduate degree programme. Selecting this popular option allows you to take a year-long work placement within a relevant company in a salaried post between taught years Two and Three. Whilst students are responsible for finding their own placements, we have a dedicated Placement Officer who is able to work with you to ensure you have access to a broad range of opportunities.

The valuable skills and experience gained during your placement are highly favoured and in-demand from potential employers, with some students being offered a permanent role on successful completion of their degree.

**Year Abroad**

Our Year Abroad programme will take you to one of our approved universities across the world to study Computer Science, or similar, between taught years two and three. Spending one year studying abroad will give you the opportunity to gain experience of your subject in a new environment and culture, and to learn how to live independently outside the UK. You will also have the chance to study modules that are not available in Cardiff.

You will be able to choose from a subset of the universities with which Cardiff University has a student exchange agreement.

**BSc Applied Software Engineering**

This innovative degree is based at the National Software Academy in Newport. It aims to produce work-ready software engineers who will have a competitive edge over their contemporaries and be highly regarded by potential employers. You will design, code, test and maintain high quality software of your own, delivered to real business customers, gaining the skills of a professional programmer.

A key distinguishing feature of the degree is that all teaching and learning is centred around the delivery of real-life industry projects. You will work side-by-side with your fellow students (and lecturers) leveraging a support network of industrial mentors and industry experts, to create innovative software for real clients in an energetic, start-up atmosphere. The course syllabus has been designed in close collaboration with industry; focusing on cloud, mobile and web development, with an emphasis on leading edge technology and practices.

**Year One** You will learn to think like a programmer and code like a programmer - working primarily with JavaScript, Java and Python. You will design, develop and launch real mobile and web applications, according to the needs of your customers. You will learn to use the latest tools used by developers in industry, and learn to follow best-practice to develop quality software. All the while, you will be developing business, communication and project management skills.

**Year Two** Working on larger, more complex projects will increase the technical difficulty of your work. You will expand your technical knowledge in areas such as testing, databases, security and DevOps; to support the scale, resilience and security needs of your cloud-based enterprise solutions. By now, you will be leading team meetings to plan and manage the development work for your team, and regularly meeting directly with your customers.

**Year Three** You will learn about two emerging technologies and combine them with your core skills to produce an innovative product with real market potential. You will work with other development teams, and lead meetings with customers. By the end of the course, you will be an experienced professional software developer, with knowledge of a range of programming languages and leading-edge technologies. Project reflection is an opportunity to develop pragmatism and judgement as you look to enter the workplace.

**Methods of Teaching and Assessment**

Teaching consists of lectures, tutorials, practical laboratory sessions and small group study classes. Your work is formally assessed during each module, either by written examination or coursework marks from that module. Applied Software Engineering modules are almost exclusively assessed by coursework. Project work is mentored by one or more members of staff and all final reports are assessed on the basis of a combination of a written report, an oral examination or demonstration where appropriate.
Dentistry

Your clinical skills will be developed in the School’s recently refurbished £2.2m clinical skills laboratory, a facility that closely simulates the real clinical experience.

99% of our graduates are in employment and/or further study six months after graduating.*

87% of our students were satisfied overall.*

We have one of the strongest BDS employability records among our competitor dental schools in the UK – in 2015, 99% of our BDS students secured a Dental Foundation Training placement.

99% of our students agreed that staff were good at explaining things.*

100% of our submitted research rated at least of international standard with 94% classed as “internationally excellent” or “world leading”.*

*See page 40 for details of statistical sources.
Degree Programmes/ UCAS Codes

<table>
<thead>
<tr>
<th>Program</th>
<th>Duration</th>
<th>UCAS Code</th>
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<tbody>
<tr>
<td>Dentistry BDS</td>
<td>(5 years)</td>
<td>A200</td>
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<tr>
<td></td>
<td>(6 years)</td>
<td>A204</td>
</tr>
<tr>
<td>Dental Hygiene (Diploma)</td>
<td>(2 years)</td>
<td>B750</td>
</tr>
<tr>
<td>Dental Therapy and</td>
<td>(3 years)</td>
<td>B752</td>
</tr>
<tr>
<td>Dental Hygiene (BSc)</td>
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</table>

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

Accreditation
Our degree and diploma programmes are validated by the General Dental Council.

Typical Entry Requirements
These typical requirements are for guidance. Please check our website for latest information.

**Bachelor of Dental Surgery (BDS)**
- **GCSE:** Please see our website.
- **A-level:** 5 year programme (A200): Grades AAA including Chemistry and Biology.
- 6 year programme (A204): Grades AAA including no more than one of Chemistry, Biology or Physics.
- General Studies and Critical Thinking are not accepted on A200 or A204.
- **WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.
- **IB:** 5 year programme (A200): 36 points with a minimum score of 6 at Higher Level in Chemistry and Biology.
- 6 year programme (A204): 36 points with a minimum score of 6 at Higher Level in ONE of Chemistry or Biology.
- **UK-CAT:** Applicants for the BDS programme are required to take the UK-CAT aptitude test before being considered: www.ukcat.ac.uk

**Dental Therapy and Hygiene (BSc)**
- At least five GCSEs with minimum acceptable grade being grade C/grade 4. The GCSEs must include GCSE English/Welsh Language at grade B/grade 6 or above.
- All applicants must also have one of the following:
  - Minimum of three A-levels at grade B or above including one in Biology or Human Biology
  - A recognised Dental Nurse qualification at Level 3 PASS plus two A-levels with one in Biology or Human Biology at a minimum of grade B.
  - General Studies and Critical Thinking are not considered suitable A-levels.

**Dental Hygiene (Diploma)**
- At least five GCSEs with minimum acceptable grade being grade C/grade 4. The GCSEs must include GCSE English/Welsh Language at grade B/grade 6 or above.
- All applicants must also have one of the following:
  - Minimum of two A-levels at grade C or above including one in Biology or Human Biology.
  - A recognised Dental Nurse qualification at Level 3 PASS plus one A-level in Biology or Human Biology at a minimum of grade C.
  - General Studies and Critical Thinking are not considered suitable A-levels

International applicants are not eligible to apply to courses B752 or B750.

Applications Information

<table>
<thead>
<tr>
<th>Program</th>
<th>Typical places</th>
<th>Typical applications</th>
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</thead>
<tbody>
<tr>
<td>BDS</td>
<td>70</td>
<td>630</td>
</tr>
<tr>
<td>Hygiene and Therapy</td>
<td>30</td>
<td>550</td>
</tr>
</tbody>
</table>

Find Out More

Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Enquiries: Dr Robert McAndrew
Tel: (029) 2074 6917 / 2468
Email: DentalUGAdmissions@cardiff.ac.uk

@CardiffDental

Open Days
Cardiff University organise four Undergraduate Open Days every year. You will have the opportunity to visit the Dental Hospital during the open days that do not take place on Saturdays. During your visit you will be taken on a tour of the clinical and teaching facilities and attend presentations. You will also be able to meet current students and staff.

Please Note: Dental School visits/tours are not possible during the Saturday Open Days due to NHS Health and Safety Regulations. Further information is available on our website: www.cardiff.ac.uk/dentistry

A dedicated Dental Library can be found within the Dental School that houses an extensive collection of books and journals to aid your learning. You will also have access to an undergraduate IT suite and to a new £1.5m redevelopment of lecture theatres and student social spaces.
Our programmes aim to educate you to practise as a dental healthcare professional in a training environment appropriate to your professional aspirations. We will teach you to combine and use knowledge, skills and judgement and to develop appropriate attitudes, so that you can deliver a high standard of care in the dental profession.

The School is located in the University Dental Hospital where the majority of clinical teaching takes place. As the only Dental Hospital in Wales you will have the opportunity to serve a population of great diversity, and contribute to their overall health.

Selection Policy
We are 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
- Excellent communication skills
- A willingness to accept responsibility
- Evidence of a broad social, cultural or sporting interest.

Along with your UCAS application, the selection policy involves making a judgement about your ability to meet the qualities listed above. If you meet the interview threshold, your suitability for the profession will be assessed via Multi Mini Interviews (MMIs).

Teaching
Teaching is integrated, so you will learn the scientific and pathological processes underlying oral and dental disease at the same time as you acquire the skills to manage patients appropriately. We use a variety of methods to enrich your learning experience. These include lectures, small group seminars and tutorials, individual teaching on clinics and e-learning.

Project work allows you to work in groups or individually and you will be encouraged to research topics and present work to your peers.

Programme Structure
During Year One, you will spend much of your time in the School of Biosciences. Here you will learn about the human body, as well as disease of the teeth and the supporting tissues. You will spend every Friday in the School of Dentistry, where you will be introduced to clinical dentistry.

As you progress, you’ll learn more advanced skills in patient management, the importance of whole patient care, and their long-term management – just as if you were a qualified dental surgeon.

In Year Two onwards, you will be based in the School of Dentistry. Initially in Years Two and Three, you will develop your clinical skills and knowledge through a variety of lectures, seminars and simulated clinical activities. Under close supervision you will see your first patient in Year Two and from then on, have patients allocated to you to manage and treat. You will need to understand the basics of disease, including those that affect the dento-facial area, their management and prevention along with the diagnostic tools required for clinical practice. Fundamental to clinical practice is the requirement to work professionally and ethically and to be able to communicate effectively to patients and staff, skills that are explored in detail through innovative and exciting interactive sessions.

In years four and five, the emphasis is on developing clinical skills in a variety of environments including the School of Dentistry, community dental clinics, district general hospitals and dedicated outreach teaching facilities in and around Cardiff. A deeper understanding of the treatment planning process, the management options, including preventive orientated patient care, are developed giving you a broad based education to prepare you for your exciting career.

Placements
As you become more experienced in your fourth and fifth year, you will spend time away from the Dental School in primary care settings for around five weeks. These placements give you the opportunity to observe and treat a range of patients. In addition, the School has two dedicated outreach centres located in the city centre and surrounding area where you will manage your own patients in a primary care setting regularly over the last two years of your course.

Your Career
Once you have qualified as a dentist there are a number of different careers open to you. Everybody needs to undergo a period of vocational training whatever branch of dentistry they choose.

Dentistry BDS: The Degree
With around 70 students per year, we are still a relatively small dental school. We believe that this helps facilitate a friendly and supportive sense of community that helps ensure that our students succeed.

Cardiff Connected
“I’m a fourth year Dental student and I am thoroughly enjoying my time studying Dentistry here at Cardiff. It provides a good balance of the taught and practical aspects of Dentistry with early first patient contact in the second year of study! I’ve had the opportunity to spend some time at one of our outreach facilities at St David’s Hospital, allowing me to see patients in a different environment from the Dental Hospital. We also manage our own patient lists so you can see your patients through their complete course of treatment which is very rewarding.”

Thomas Cole  Undergraduate Student President
We offer two closely allied programmes: a Diploma in Dental Hygiene (2-year programme) and a BSc in Dental Hygiene and Therapy (3-year programme), both of which are modular, running in parallel for their first two years.

Our aim is to educate you to become a practising Dental Hygienist and Dental Hygiene/Therapist eligible for unsupervised clinical practice (under the prescription of a dentist) and potential for direct access following current GDC guidelines.

You must possess a high level of manual dexterity and demonstrate attention to detail. Excellent verbal and written communication skills and the ability to work as a team are critical. You must also have a genuine interest in the empathetic care and treatment of patients.

Teaching
You will be taught by a dedicated team of dental, hygiene and therapy staff with further interactions under the supervision of Consultants and primary care supervisors. From the third term of Year One, you will have contact with your own patient list.

Programme Structure
The modular courses make integrated use of lecture-style teaching, interactive seminars, clinical simulation and clinical practice.

Year One (Common to both) Your time is spent learning biomedical sciences, human disease subjects and oral disease and its prevention. An introductory module to clinical practice takes place in term two with its aim of preparing you for your first patient contact in term three.

Year Two (Common to both) Subjects include dental radiology, oral medicine, and dental public health, taught before the focus turns to periodontology (gum disease) and its clinical treatment. During this year you will also be managing your own patients under supervision.

Year Three (Therapy only) Emphasis continues with both paediatric and adult clinical practice, as well as a year-end research project. Years two and three offer opportunities for you to attend clinical placements at local ‘outreach’ dental clinics, providing treatment to the dental public in situations closely allied to the general practice arena. In some of these areas you will work alongside dental students in a teamwork approach to patient care.

Throughout the programmes, the teaching and implementation of professionalism is critical. You will be taught aspects of law and ethics in dentistry, as well as the practicalities of dental treatments, and to recognise the importance and necessity of your lifelong and professional development. Your opportunity to engage and motivate patients and provide contemporary clinical treatments make Dental Hygiene and Therapy a stimulating career.

Your Career
Dental Hygienists and Therapists work closely with other members of the Dental team undertaking treatments such as scaling and polishing, oral health promotion and preventive fissure sealants for both adults and children. A Dental Therapist can undertake additional clinical task’s for example fillings for both children and adults.
Earth and Ocean Sciences

With a staff of more than 40 academics, you receive the highest quality teaching, delivered by lecturers at the cutting-edge of international research.

**91%**
of our students were satisfied overall.*

**84%**
of our graduates are in employment and/or further study six months after graduating.*

We are located within the main University building with its recently refurbished teaching facilities.

We own 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.

**99%**
of our submitted research rated at least of international standard with **84%** classed as “internationally excellent” or “world leading”.*

*See page 40 for details of statistical sources.*
Degree Programmes/UCAS Codes

Single Honours

Environmental Geoscience BSc
(3 years) F642
(4 years) (Professional Placement Year) F644

Environmental Geoscience MESci
(4 years) F645
(4 years) (International) F647

Environmental Geography BSc
(3 years) K32H

Environmental Geography MESci
(4 years) Y32M

Environmental Geography MESci
(4 years) (International) 2L4D

Exploration and Resource Geology BSc
(3 years) F621
(4 years) (Professional Placement Year) 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) (Professional Placement Year) F842

Marine Geography MESci
(4 years) 1D79

Marine Geography MESci
(4 years) (International) 4J26

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

A-level:
- BSc: ABB.
- MESci: AAB.
- MESci (International): AAA.

All programmes: At least two A-levels should be a science (Geography, Geology, Biology, Chemistry, Physics, Environmental Studies, Applied Science, Archaeology, ICT, Computing and Sports Science).

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB:
- BSc: 32 points.
- MESci: 34 points.
- MESci (International): 35 points.

All programmes: At least two Sciences 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 requirements (or equivalent):
- Maths at grade B or grade 6.
- English Language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

Applications Information

Typical places: 150
Typical applications: 850

Find Out More

Web: www.cardiff.ac.uk/courses
School Brochure:
www.cardiff.ac.uk/pubs/ug
Admissions Enquiries: Dr Jennifer Pike
Tel: (029) 2087 4830
Email: earth-ug@cardiff.ac.uk

Careers

Job roles
Engineering geologist, environmental consultant, hydrogeologist, geotechnical engineer, exploration geologist, hydrographic surveyor and scientific diver.

Employers
Local councils, government agencies such as the British Geological Survey and the Environment Agency, as well as companies such as Gardline Geosurvey, Anglo American, Geolog International, Sirius Resources and ExCAL.

Our building houses the Science Library, a computing facility and is adjacent to the National Museum, with its superb geological collections. You will also have access to two computing laboratories with 100 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.

Cardiff Connected

Ben says: “Cardiff was a fantastic place to study, so brilliant I decided to stay and work! The geology course gave me skills I needed to survive in my workplace – geological understanding, report writing, presentation and communication skills, general software training and, the importance of meeting deadlines.” Work involves using mining and exploration computer software for resource estimation and exploration programme planning, as well as mine planning. Now in Sweden for a year to help SRK set up a new office.

Ben Lepley MESci Geology
The School continues the great tradition of excellence in Earth and Ocean Sciences teaching and research in Wales.

Our internationally recognised research work enhances the student experience by having leading Earth and Ocean 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 you an exciting and relevant spectrum of vocational degree programmes, covering a wide range of modern geosciences. We can offer you the flexibility of changing to any one of our undergraduate degree programmes after the first semester.

We are ideally situated for field studies, as there are a variety of geological and environmental problems that can be studied in South Wales, within a short travel distance from the University.

Year One
This year provides you with 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. Fieldwork involves day visits to classical local exposures, as well as a residential field course before the Easter vacation.

The marine perspective is provided by training on-board research vessel Guiding Light. All 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 firm foundation in Earth and Ocean Sciences, upon which more specialised studies build in the remainder of Year One and in subsequent years.

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

Typical subjects 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 through time**: 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
- **Earth science skills**: scientific skills needed for Earth Sciences
- **Marine charts and hydrography**: charts, navigation and surveying techniques, physical coastal science
- **Geological maps, sections 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.

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

Years Two and Three
The degrees diverge after the first year to provide the core material for your chosen programme. A different set of modules is compulsory for each programme in Year Two. In Year 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.

**Geology**

The BSc in Geology provides you with a holistic overview of the physical, geochemical and biological processes that formed planet Earth. You 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 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 Geology field courses include visits to Arran, 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. You learn how planet Earth works, about the interactions between geology and the environment through aspects of hydrology, geochemistry, geological structure and processes. You gain skills in landscape assessment, geoenvironmental hazards and remediation, engineering geology and geological mapping.

In the second year, you are trained to participate in an individual or team Environmental Geoscience degree project which will take place either during the summer vacation or the third year. The training will include aspects of mapping and a field course that will allow you to build on the background that you have obtained in second year modules. Your degree project then includes a small mapping component, following which you may choose to specialise in a particular area such as water quality, coastal erosion, soil pollution, geocology.
In the third year, you complete your project, presenting a professional report and giving a seminar. You study a variety of topics depending upon your choice, with options such as water resources, environmental management and policy, environmental case studies, engineering geology or climate change.

Environmental Geography

Environmental Geography integrates landscape, environmental chemistry, biology, climate studies and the human impact on the environment to generate a holistic overview of the processes operating at the Earth’s surface. You gain skills in environmental quality management, landscape process and management, ecosystems, conservation, field data collection and analysis. In Year Two, a wide range of essential skills are taught which lead coherently to the Year Three dissertation project. Skills such as Geographical Information Systems (GIS), data analysis, biogeochemistry and various forms of map work also contribute to the employability status of graduates on this programme. The programme provides flexibility of study in Year Three, allowing specialisation through a diversity of modules according to individual interests.

In addition to local fieldwork in South Wales, this programme currently includes residential trips to the Netherlands to study water management, coastal engineering and defence, and to the volcanic island of Tenerife to further your understanding of geomorphology, hazards, soils, plants, water, and sustainability, climate and biomes.

Marine Geography

The ocean is arguably the last major frontier on Earth for the exploration and development of resources to sustain mankind. 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 study a selection of physical and human geography topics with an applied focus. These currently include: marine and coastal resource development, leading to ocean science and policy; marine ecology; 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 GIS. 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

To meet the growing world need for minerals, exploration geologists are in great demand to assist in the exploration for natural resources. This degree provides you with a firm grounding in applied geology, with the exploration, evaluation and extraction of the Earth’s natural resources as the core area of study. You will gain an understanding of geological processes within the Earth that lead to the formation of natural resources, and training in the specialist skills of a professional exploration geologist. You are trained in information technology techniques used in the modern geological exploration industry. 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 (please see page 24). 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 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. You can also study other Applied Geological topics such as Engineering Geology and Water Resources.
BSc with an Industrial Placement

An optional one-year industrial placement programme is available for some of our BSc degrees, giving you the opportunity to gain in-depth experience in a range of industries. You are supervised by staff, while enjoying the experience and career enhancement that a placement year allows.

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, we are not able to guarantee placements. In the event a placement is not available, students will be transferred to the non-placement BSc programme.

Master in Earth Sciences – MESci

These four-year undergraduate MESci 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.

They involve learning about the process and outcomes of research and enable you to specialise in areas of your choice. During the first two years, you will study modules in common with students enrolled for the related BSc programmes, but with small group teaching of up to six students provided through a research tutorial. These enable you to explore your long-term research interests and 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 currently available on geodynamics, evolution of antarctica, contaminated land, advanced metallogenesis, process geomorphology, and coastal science and policy.

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 provide the opportunity for exceptional students to study at a prestigious overseas university for part of their degree and are available for all our MESci programmes (please also see page 24). It 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 acquire a wide range of transferable skills and the additional experience to improve your employability and prospects of postgraduate studies.

Our MESci international students pay reduced fees for their year abroad, yet they may go somewhere like Miami or Rutgers Universities, where they are not expected to pay fees. Details can be found at: www.cardiff.ac.uk/fees

While there are normally sufficient places to send all of our International programme cohort away for their third year, the exact number of places available varies from year to year. This means that we cannot guarantee that all students on the International programme will be able to study abroad. In the event that a place is not available, students will be transferred to the normal MESci programme.

Since the programme began we have placed over 95% of qualified students who have applied to study abroad.

Employment

Our graduates in Marine Geography have entered the full range of marine industries, government service and research careers. The Exploration degree equips you for 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.
Ranked #1
Our research in Civil Engineering was ranked first in the UK for quality. (REF 2014)

86% of our students were satisfied overall.*

91% of our graduates are in employment and/or further study six months after graduating.

97% of our submitted research rated at least of international standard with 92% classed as “internationally excellent” or “world leading.”*

We have been awarded the Ambassadors Award for the UK for our contribution to the promotion of women in Science and Engineering, and an Athena Swan Bronze Award.

All our degree programmes are accredited by the appropriate professional institutions.

*See page 40 for details of statistical sources.
# Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

**A-level:** AAA-AAB which must include Mathematics.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 32 – 36 points with five in Mathematics 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/grade 4 or higher in GCSE Mathematics and English (or equivalent). Applicants to the ‘Year in France/Germany/Spain’ programmes are also required to have grade C/grade 4 or higher at GCSE in the appropriate language (or an equivalent qualification).

See page 153 for information about GCSE equivalencies.

**Foundation Year**
If you have 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, then you may apply for the Foundation Year. This is designed to prepare you 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).
The School of Engineering covers all of the main engineering disciplines and many of our staff are recognised international experts in their particular fields, ensuring that our teaching remains up-to-date, as engineering technology changes rapidly.

Although the School is large, with approximately 1,600 undergraduate students, we believe that you are important.

Our personal tutoring programme helps 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 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. In the first year, there is common ground between many of our engineering degree programmes, which provides flexibility if you wish to revise your choice of programme.

**Types of Degree Programme**

**MEng**
An advanced four year engineering degree programme, 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 traditional three year route of studying engineering, providing a good, fundamental education in your particular discipline. Many very able students, even when eligible for the MEng programme, still opt to study this degree to suit their particular career paths.

**BEng/MEng Year in Industry**
This programme enhances a BEng or an MEng degree with an extra year on industrial placement. The first two years 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. We have a formal partnership with the City and Guilds of London Institute which enables our students to achieve the Senior Award of Licentiateship after successfully completing their sandwich placements - a professional qualification which rewards work related competence and expertise, widely recognised by employers. Holders are entitled to use the letters LCGI after their names.

**MEng Year in Europe**
Structured in a similar way to the Year in Industry programmes, during the first three years, language modules are incorporated into your programme of study. Your fourth year is then spent at a collaborating academic institution in France, Germany or Spain, before returning to Cardiff to complete your studies.

**MEng International**
This programme gives you the opportunity to gain international experience which is more and more valued by employers. It is a four year degree programme which involves spending a semester abroad in the third year, studying modules which are equivalent to those available at home. These modules will be credited to your MEng degree to replace the home semester. There are a wide range of international universities to choose from if you decide to take this option.

**Industrial Links**
Being at the forefront of engineering research, we have strong links with industry. We are scrutinised by a panel of top industrialists who 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 research and consultancy work carried out by staff.

**Careers**

**Job roles**
Civil engineer, electrical engineer, graduate mechanical engineer, project manager and technology analyst.

**Employers**
Halcrow, Atkins, BP, BAE Systems, National Grid, RWE npower, Network Rail, Ove Arup, Rolls Royce, Ford, Nokia, Bosch, EADS, local governments, banks and financial institutions and UK and international utility companies.

**Our facilities include**
a large and well-equipped library, extensive computing facilities, a flexible learning space, a café and restaurant. The Students’ Union is just eight minutes walk away and there are student residences nearby.

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**Cardiff Connected**

“I have had a world of opportunities presented to me while studying at Cardiff University, and this has only been helped through the advice and mentorship from the lecturers within my department. My course challenges me but also drives my passion for engineering further each year, and studying as an international student within such a vibrant and diverse city really makes it a great experience.”

**Roberto Sesia** 2nd Year Electrical and Electronic Engineering Student
**Architectural Engineering MEng/BEng**

Creating modern buildings is a complex operation requiring skills from many disciplines. There is a need for different specialists to work together as an interdisciplinary team. Cooperation and understanding of each other’s problems is particularly important between the architect, the structural engineer, the services engineer and the town planner.

Our degree programmes are intended for those wishing to make a career in building design and construction, who want an engineering course with a human face.

Both the MEng and BEng are available as Year in Industry degree programmes. Industrial placements are assisted by staff in the School and are subject to availability. During the programme you become fully aware of the essential interaction between design, architectural requirements and environmental factors (both physical and social). In addition to the essential elements of structural engineering, you gain some understanding of architecture, town planning, municipal engineering, building services, construction technology, and management.

There is particular emphasis on studio work, design projects and case studies.

Industry has a strong need for the type of graduate our programmes produce. 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).

**Civil Engineering MEng/BEng**

Civil engineers 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.

Civil engineering is based on fundamental 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. 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.

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.

Our graduates may find themselves working on some of the largest and most valuable engineering programmes all over the world, or may work in international development to alleviate poverty and introduce critical infrastructure in the developing world.

**Civil and Environmental Engineering MEng/BEng**

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.

Allied with the core engineering skills of design and analysis, you are taught by specialist staff the necessity of integrating economic and practical solutions. This is developed through site visits, presentations and specialist speakers from industry. As the degree programmes proceed, you are also made aware of the legal, social and ethical aspects of engineering, with the emphasis being firmly placed upon environmental responsibility and control.

Our graduates are mainly employed in the civil engineering industry with major consultancy and contracting firms, such as Sir Robert McAlpine, Ramboll, Arup and Mott McDonald. Typical roles include graduate civil engineer, site engineer or design engineer, and they are based throughout the UK as well as further afield.

The degree programmes are reviewed annually, with input from our industrial partners to ensure that the modules taught are at the cutting-edge.

Cardiff is one of the few universities in the UK to be part of the Power Academy and the UK Electronics Skills Foundation, organisations supporting high quality students to train for a career in Electrical and Electronic Engineering. Scholarships are offered on a competitive basis and successful applicants receive support for tuition fees, student bursaries, vocational training and improved career prospects.

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 has designated Cardiff as one of their centres of excellence.

We offer both BEng (three-year) and MEng (four-year) degrees, 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: Power Engineering, Electronic Engineering, Network Analysis and Electromagnetics and Electrical Materials.

You will also study information technology, professional engineering studies, and develop communication skills. In later years, typical modules include: Digital Design, Control Engineering, Engineering Management, EM Fields and Transmission Lines and Renewable Energy Technologies.

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 multidisciplinary 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).

For all programmes, you will participate in a major individual project spanning the two semesters. You are encouraged to become involved in research and industry-led projects in your 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.
Integrated Engineering MEng/BEng

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, you 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 of which are inter-linked within an overall programme of Integrated Studies.

Learning methods include case studies, laboratory programmes and design exercises – each of which is coupled to focused application in the industrial environment. During the degree, you 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 this 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/BEng

Mechanical engineers use modern technology to meet the demands of society and have wide and varied career opportunities. They 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 within 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.

The degree programme has core modules studied throughout: mathematics, statics, dynamics, solid mechanics, and 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 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 are accredited by the Institution of Mechanical Engineers. 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.

The Integrated Engineering degrees are accredited by the Institution of Mechanical Engineers, and the Institution of Engineering and Technology.

Medical Engineering MEng/BEng

Medical Engineering is a distinct area of 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 Bio-engineering, Medical Image Processing and Sports Biomechanics.
English, Communication and Philosophy

We provide dynamic and supportive teaching with a wide choice of modules.

85% of our graduates are in employment and/or further study six months after graduating.*

91% of our students were satisfied overall.*

Top 10 nationally for the quality of our research in English Language and Literature.*

4th nationally for the impact of our research in Philosophy within the wider world.*

There are scholarship opportunities for students choosing to study part of their Philosophy course through the medium of Welsh.
To find out more visit: www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

*See page 40 for details of statistical sources.
Careers

Our graduates are sought by all kinds of employers looking for people with a high level of verbal ability, sophisticated self-expression, the ability to conceptualise, and confidence in writing and analysing the written and spoken word.

The English Language degree combines the best of humanities skills with social science skills and thus prepares you for a wide range of career options. Common destinations include primary and secondary school teaching. Teaching English as a Foreign Language (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 offer further prospects of employment in these areas.

An English Literature degree equips you for a range of diverse careers where Humanities training is particularly suited. Typically, our graduates choose careers in journalism, teaching, public relations, marketing, administration, government and industry. Through their distinctive experience of working in an innovative and creative manner across traditional boundaries (which includes the practice of Creative Writing) our graduates are particularly well suited both to postgraduate work and to a variety of posts in the knowledge and creative economy.

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 a wide variety of organisations. Some graduates take higher degrees in Philosophy or related disciplines before moving on to careers in Higher Education or elsewhere.
Our stimulating set of degree programmes enables you to explore your subject in inspiring ways, while gaining valuable employability skills.

We offer both Single Honours and Joint Honours degrees in English Language, English Literature and Philosophy. New this year are our BA English Language and Linguistics and BA English Literature and Creative Writing. Guided by student-centred values and a friendly approach, our emphasis is on developing your skills, knowledge and understanding through a shared culture of learning and teaching. Assigned your own personal tutor, you will engage in regular academic feedback and meetings to support your progress.

We have an established international reputation as a centre for research in five fields: English Literature, Critical and Cultural Theory, Creative Writing, Language and Communication, and Philosophy. Our research feeds directly into our teaching at all levels, so you benefit from the latest developments - teaching and research go hand-in-hand.

Teaching
We offer a wide choice of programmes and modules taught through lectures and seminars, including our exciting suite of seminar series, where you can hear about the latest research from visiting academics. You can also benefit directly from our Engagement Platforms, where dynamic initiatives such as Cardiff BookTalk take our work into the heart of our local community.

About the Degree Structure
Most of our degree programmes span three years, with an extra year for Joint Honours with a language. Each year you take 120 credits.

Our first year offers a firm grounding, preparing you for more advanced study in Years two and three. This gives you the skills and knowledge to make informed choices for the more advanced stage of your degree. Your final degree classification will depend on your marks in Year Two (counting for 40%) and Year Three (counting for 60%).

Single Honours
These programmes span three years. In general, you take all your modules (120 credits per year) in the School. In the first year in English Language degrees, however, you have the option to take 40 credits in another discipline in the School (subject to your qualifications). In the case of Philosophy, in the first year you take a minimum of 80 credits in your main subject and a maximum of 40 credits in a second subject, choosing from English Language, English Literature or Religion and Theology.

Joint Honours Programmes
The majority of our Joint Honours degree programmes span three years (four years where languages require a year of study abroad). You take 120 credits each year (60 credits in each subject). We offer a wide set of module choices in the first year, determined by your choice of programme. For further information about possible combinations, please also see page 146.

English Language Degrees

BA in English Language: Single Honours

Inspired by the social, cultural and critical aspects of language, topics range from interactions with society, culture, gender and ideology, to visual communication, computer-mediated communication and communication disorders and social interaction.

Our passion for English Language is reflected in our international reputation for cutting-edge research. Year on year, our teaching achieves independent indicators of excellence, both in the independent National Student Survey and under external examiner scrutiny.

We offer a rewarding degree, distinctive in nature by three key measures:

- Contextually Rich: With a rigorous grounding in the analysis of the English language, you will learn such linguistic tools as grammar, phonetics and discourse analysis. We consider the analysis of language to go beyond narrow linguistic areas, to include the process of meaning-making and communication more generally.

- Applied: You will learn linguistic and communication theories from the very researchers who helped develop them, but also apply them to particular aspects of contemporary life. Many of the modules require you to collect and analyse your own data; you will learn how to transcribe spoken interaction and how to analyse it in multiple 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 overall academic and critical orientation).

- 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 flexible thinking is a must.

The foundation modules in Year One provide a solid grounding in both Language and Communication. You take six 20-credit modules in the following two years, including two compulsory modules in Year Two.

Our programme is designed to enhance a wide range of career options, most notably: teaching, publishing, PR, journalism, personnel management, counselling, clinical/therapeutic professions and the criminal justice system.

BA in English Language and Linguistics: Single Honours

This course develops your ability to analyse and critique the language that surrounds us. It also develops strong skills in communicating clearly and effectively. Our graduates combine the best of social science skills, such as technical analysis based on the systematic and critical handling of data, with the best of humanities skills, such as flexibility and the ability to communicate effectively in written and oral formats.

We offer modules in descriptive traditions of language (the study of phonetics, grammar, lexis and morphology), as well as critical traditions (such as the study of discourse and the relation between language and power).

Cardiff Connected

“Cardiff offers the whole package – excellent teaching, world-renowned research, friendly people and a great location for everything you enjoy doing. Teaching feels personal and tailored. Lecturers know you by name and are always friendly and supportive. The modules are engaging and varied. There is opportunity to expand on all the areas through research projects, extra-curricular talks and events as well as the option to write a dissertation in whatever area you like. The flexibility of English Language means not much is off limits after you graduate!”

Nancy Cameron  English Language finalist
You study spoken and written language as well as many multimodal forms of communication - word, image and sound - that predominate in contemporary and digital media.

You learn how to use specific software packages to produce multimodal texts in forms ranging from websites and blogs to magazine covers, to analyse and present numerical data, to identify patterns in large collections (or ‘corpora’) of written and/or spoken language, and to analyse speech in phonetics. We also offer a number of modules of direct relevance to careers in education, the media, health, and the legal process.

**BA in English Language: Joint Honours**

Our Joint Honours options enable you to mix two subjects. Options with English Language typically include French, German, Italian, Philosophy, Spanish and Welsh. Conventionally, careers such as the teaching of modern languages, translation, multilingual publishing, the international media, and relevant research paths benefit most closely from these combinations.

**English Literature Degrees**

**BA in English Literature: Single Honours**

Exploring how Language and Literature illuminate each other, our programme combines the study of these complementary fields to maximum impact.

On the Language side, you gain a rigorous grounding in the analysis of the English language. You learn such essential linguistic tools as phonetics, grammar and discourse analysis from those who are pushing the boundaries of research in those fields. You will also learn how to analyse the types of multimodal (e.g. word, image and sound) texts that predominate in contemporary and new media. English Literature offers access to the whole chronological span of English literature, from the Anglo-Saxon period to the twenty-first century. Intrigued by literature’s connections across genre - whether film, art, music, history, language or popular culture – our research and teaching far exceeds the restrictions of the printed word. Our global reach means you can study writing in English stretching from North America, the Caribbean, India, and Australia to writing closer to home including Ireland, Scotland and Wales.

You take a third of your modules in Creative Writing each year. You are taught throughout both by workshop practice and lectures. Building on foundation modules in Year One, you embark on your choice of specialist modules in Year Two. Your finely developed skills enable you to undertake the Creative Writing project in your final year. Under expert guidance, you will create a portfolio of your own original work, undertaking essential independent research for this showcase. Our flexible approach means that you have the ability to switch to BA English Literature at the end of your first or second year if you wish.

**Special features:**
- **Purposeful introduction to the study of English Literature, critical thinking and essay writing**
- **Stimulating range of modules, from Old English to Creative Writing**
- **Passionate teaching, by academics known internationally for innovative research**
- **Broad variety of assessment to suit all learning styles.**

**BA in English Literature and Creative Writing: Single Honours**

This degree blends the dynamic study of English Literature and the exciting practice of Creative Writing, allowing you to develop your skills and abilities in both fields.

**BA in English Literature: Joint Honours**

This option enables you to mix two subjects, which can open up diverse career directions. Options with English Literature typically include Ancient History, Archaeology, French, German, History, Italian, Journalism, Music, Philosophy, Religious Studies, Spanish or in other cultural forms, including creative writing.
Philosophy Degrees

Philosophy is the study of the most fundamental questions about reality, knowledge and ethics, questions whose answers are presupposed by most other subjects.

Studying Philosophy develops the ability to identify the rationale of a particular argument, to understand the assumptions lying behind those reasons, and to assess these critically. Through the energising rigour of debate and exchange, you will develop the ability to think logically, to communicate ideas effectively and to make a persuasive case, all essential in the modern workplace.

Designed with newcomers to the discipline in mind, we offer a Single Honours degree in Philosophy and a wide range of Joint Honours degrees with Philosophy as a component. Teaching is a mixture of lectures, thought-provoking seminars and presentations, with the expectation of wide reading across philosophical literature. In turn, you are fully supported with regular staff contact, small group discussion, and instructive feedback on your written work.

BA in Philosophy: Single and Joint Honours

Our approach examines the fundamental philosophical questions from both the analytical and the continental traditions, exposing you to the arguments put by philosophers across the ages.

Examining some of the most influential writings in Western literature, we cover moral philosophy (including applied ethics, normative ethics and meta-ethics); political philosophy (including issues of political legitimacy and authority); the philosophical aesthetics of art, music and literature; the nature of mind, thought, language and action; the fundamental nature of reality; and the nature of knowledge.

In your first year you will study Mind, Thought and Reality, Moral and Political Philosophy, and Critical Thinking, with the additional core module of Four Great Works for Single Honours. In Year Two, you choose from a wide range of topics, typically including Contemporary Ethical Theory, Metaphysics, Epistemology, Philosophy of Language, Philosophy of Mind, French Existentialism, and Philosophy of Contemporary Politics. In Year Three you specialise according to your interest in latest research areas, with the option to develop your research skills further by conducting your own dissertation. Moral Psychology, The Problem of Consciousness, Feminist Philosophy, Philosophy and Modern Art, Philosophy of Science, and Meta-ethics are among typical modules in your final year.

Methods of Teaching

We recognise the importance of discussion and stress individual student participation. We deliver a variety of teaching methods, ranging from the formality of lectures to classes and seminar groups with a strong emphasis on lively informal discussion. You also benefit from one-to-one contact with tutors.

Methods of Assessment

In our experience enabling the greatest number of our students to shine is best served by a broad variety of assessment models. Assessment is typically by essay and/or examination; oral presentations are integrated into a select number of modules. Certain modules offer exciting ‘critical-creative’ modes of assessment in which you are invited, for example, to combine imaginative and evaluative (re)interpretations of a classic text. Assessment takes place at the end of every semester or academic year. A small number of modules are also assessed mid-term. In most degree programmes, you can choose to undertake a dissertation, researching a topic of your choice in depth.

Further Information

Postgraduate Opportunities

Our postgraduate environment is lively, supportive and well-established. Our undergraduate programmes are designed with progression in mind and will equip those who are considering further study (either at MA or PhD level) with the necessary skills to make the transition to postgraduate level.

Part-time Study

We offer part-time degrees in English Language, English Literature, and Philosophy. Please contact us for more details.

Research

Our research is of the highest quality and impact. In the latest UK assessment, Cardiff’s English Literature and Language were ranked in the top ten for research, with 98% of submitted research classified as international standard, and 87% classed as internationally excellent or world-leading. With 100% of its impact classed as internationally excellent or world leading, Philosophy achieved fourth place for the impact of its research on society (Source: Research Excellence Framework 2014).

From supporting teenagers with AIDS/HIV to express their experiences through comics, to changing the way the police communicate with detainees, victims and the public, and helping to influence the protocols governing the construction of DNA databanks, our research is making an impact in areas such as healthcare, law, social justice and education.
The School is the **largest of its kind** in the UK, with over 70 teaching, research and support staff.

95% of our graduates are in employment and/or further study six months after graduating.*

The breadth and quality of our **research portfolio** makes for an invigorating environment in which you can pursue your academic and professional development.

92% of our students were satisfied overall.*

85% of our submitted research was rated as “**internationally excellent**” or “**world leading**”. *

Certain opportunities for some Welsh medium provision are available. To find out more visit: [www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

**Single Honours**

<table>
<thead>
<tr>
<th>Program</th>
<th>Duration</th>
<th>UCAS Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban Planning and Development BSc</td>
<td>3 years</td>
<td>K490</td>
</tr>
<tr>
<td>Geography (Human) BSc</td>
<td></td>
<td>L700</td>
</tr>
<tr>
<td>Geography (Human) and Planning BSc</td>
<td></td>
<td>LK74</td>
</tr>
</tbody>
</table>

**Accreditation**
The BSc Geography (Human) and Planning and BSc Urban Planning and Development degrees are accredited by the Royal Town Planning Institute and the latter is also accredited by the Royal Institution of Chartered Surveyors.

**Typical Entry Requirements**

These typical requirements are for guidance. Please check our website for latest information.

- **A-level:** Geography (Human): AAA-AAB, including Geography.
  - Geography (Human) and Planning: AAA-ABB, including Geography.
- **WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.
- **IB:** Geography (Human): 36-35 points, including Higher Level Geography at grade 6 or above.
  - Geography (Human) and Planning: 36-34 points, including Higher Level Geography at grade 6 or above.
  - Urban Planning and Development: 36-34 points.
- **Other:** Applications from those offering alternative equivalent qualifications are welcome, as are those who may have other relevant work/life experience.

**All Degrees**
General Studies is not normally accepted.

**GCSE requirements** (or equivalent):
- Maths at grade C or grade 4.
- English Language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

**Careers**

**Job roles**
Economic analyst, aid worker, charity officer, development officer, environmental consultant, planning officer, surveyor, transport planner, town planner, teacher.

**Employers**
National and local governments, business consultancies, sustainable energy centres, environmental agencies, housing strategy companies, construction companies and surveyors.

**Applications Information**

Typical places: 180 | Typical applications: 850

**Find Out More**

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Tel: (029) 2087 6087
Email: gandpenquiries@cardiff.ac.uk

Facebook.com/cardiffgeographyandplanning @CUGeogPlan

**The School is based in the iconic Glamorgan Building** and most of our teaching happens within the School. We have a wide range of lecture and seminar rooms, design studios, and a state-of-the-art computer laboratory.

**Cardiff Connected**

“I found the placement year to be invaluable. I really enjoyed applying my university knowledge in a real-life environment. The work provided me with a great sense of accomplishment and achievement. The placement really helped me develop my organisational and communication skills. I developed a great relationship with my employer and they asked me to go back after I graduate.”

Lotti Wilkinson  Urban Planning and Development
The School is a world-leading centre of research and teaching excellence in the fields of human geography, planning and spatial analysis.

We offer our students a stimulating, supportive, and exciting environment in which to study and thrive. From cases on paper, to places in practice, we enable our students and staff to actively transform the world. We have an outstanding record of academic achievement and we have been consistently ranked amongst the top geography and planning schools in the UK in terms of our research environment.

Our courses focus upon the grand challenges faced by human societies and places in the twenty-first century. Our research-led teaching enables students to apply critical thinking and practical knowledge in addressing impacts of economic, social, political and cultural change on the built and natural environment.

All degree programmes teach a rich array of transferable skills – you develop high levels of literacy and numeracy, excellent IT and data analysis skills, and a professional degree of competence in presentational and group working techniques.

You also benefit from opportunities to study abroad. You can take part in Field Study Visits during each year of your degree; in year two, students have the option of undertaking research in European locations such as Amsterdam, while in year three current destinations include Hong Kong, Los Angeles, Tanzania and New York. Field Study Visits are currently ‘fee inclusive’ in years one and two, and subsidised by 66% in year three.

Students may also choose to study in one of our partner institutions in Europe (through ERASMUS), or North America, Australia and Asia (through the Global Opportunities Programme).

We enjoy close relationships with employers in the private and public sectors, enabling us to offer a range of work placements. A number of our courses are also recognised by professional bodies, further improving your employability.

We regularly host events with external speakers. These provide insights into links between academic ideas, policy and practice and provide an excellent opportunity for students to learn about a variety of careers. Our students are highly employable in a wide number of professions and sectors, such as local government, town planning, international development, environment and sustainability, banking, accountancy and HR. Some graduates go on to further academic study.

BSc Urban Planning and Development

Planning is an exciting activity that impacts on our everyday lives, influencing everything from the homes where we live, opportunities for employment, the quality of our town centres, the use of public spaces, the availability of green spaces and the ways we move between different parts of our towns and cities.

This course is designed for those who want to understand how places work and how to change them. It provides you with an understanding of the social, economic, political and environmental factors that shape cities and regions. You also learn how to influence these processes in order to deliver more sustainable communities that are better places to live in for everyone.

The course is ideal for anyone interested in the relationship between the built and natural environment. As a professionally-recognised and applied degree, the course also opens up a wide range of graduate career opportunities in planning, design, surveying and beyond.

You have the opportunity to specialise in modules focusing on different areas of planning, spend time studying overseas, and participate in field study visits in the UK, Europe and globally.

Your modules will involve practitioners and experts bringing your studies to life, helping you to apply your knowledge. On the four year option, there is opportunity for you to obtain extended, salaried placement experience where you will gain real responsibility and depth of experience.

There are a wide range of different types of assessment, including professional reports, presentations, posters, site analysis and development briefs, films, debates, and both individual and group work. Your assignments will help you to become proficient in a series of planning - and more general - skills.

Graduates from the course have an excellent track record in securing employment in careers in planning, surveying, design and development, as well as transport, economic development, environmental policy, housing and urban regeneration. In addition, because the course places emphasis on developing a wide range of skills, it can open up opportunities in a wide range of careers outside of planning.

The course is accredited by the Royal Town Planning Institute (RTPI) as a spatial planning degree, many of our students opt to progress to our specialist Masters courses to complete the RTPI’s educational requirements. The course is also accredited by the Royal Institution of Chartered Surveyors (RICS) and provides all of the educational requirements for membership.
BSc Geography (Human)

Geography is one of the most popular social sciences because it addresses pressing global issues and engages with major intellectual debates. As a human geographer at Cardiff you will engage with the major social, economic, political, development, and environmental challenges of our age.

Our focus on the discipline’s relevance to key decision-makers, to industry, to the voluntary sector and to civil society, ensures you are highly employable. The course allows you to apply your geographical knowledge in practice by offering a work placement module in the second year, which enables you to ease your transition between education and the ‘real world’ by providing crucial work experience.

Human geography is taught by world-class researchers, which means you are engaging with cutting-edge knowledge. Research is embedded within our approach to teaching, and you will be offered the opportunity to undertake research abroad during subsidised fieldtrips.

Our focus is on human geography, but we place a strong emphasis on how humans interact with the physical environment.

Through modules on topics including sustainability, environmental hazards and climate change, students benefit from critical insights into the complex and changing relationships between human societies and the environment.

The first year provides a foundation in human geography as well as research skills. You learn about the historical development of human geography and its key contemporary themes in both cities and rural settings. This provides the building blocks for years two and three. In the second year, you are introduced to geographical ideas, philosophies and concepts that inform current human geography, and take a selection of option modules on topics such as cultural, development, economic, environmental, social, and political geographies. Training is also provided to enable you to undertake your research dissertation. The second year also includes the option of a European field study visit.

The third year allows you to build on your learning in earlier years, specialising in particular areas of human geography. You choose from a broad range of optional modules and field study visits include several global options.

Human geographers at Cardiff are exposed to a vast range of opportunities and high quality teaching. You graduate as adults who are highly engaged in contemporary debates, with excellent experiences, making you competitive in the work place.

BSc Geography (Human) and Planning

This course provides you with a broad-based spatial education that fuses the problem solving approaches of planning with the topical and theoretical knowledge of geography.

Accredited by the Royal Town Planning Institute (RTPI), it has been specifically designed to provide you with key employability skills that gives you an all-important edge in a wide variety of highly competitive job markets.

You gain an understanding of global, national and local processes of change, key environmental, social, cultural, political and economic trends and the role that planning plays in shaping their effects on different places. The course examines the changing nature of spaces and places, the relationship between society and space, and the roles of the state.

The combination of a general overview of human geography and planning linked to a research specialism allows you to cover a wide range of academic concerns while also developing your own particular interests.

The first year provides an introduction to the core areas of geography and planning. You cover issues such as the nature of geographical thinking, globalisation, and the history and practice of planning and urban development. You also develop the essential skills for accessing and processing spatial information.

The second year looks in more depth at the history of geographical thought, the economic and cultural subfields of geography, the core practical disciplines of planning, and planning's application to environmental issues.

You continue to develop your understanding and application of research techniques and issues, while you also select a number of specialist options, some of which are required for RTPI Accreditation. The second year also includes the option of a European field study visit.

The third year brings together current ideas in geography and planning in a core module, complemented by a variety of options. You also undertake a dissertation or research project based on a topic of your choice, and have the option to attend an international field study visit.

Professional Recognition

We collaborate closely with professional bodies to ensure that our degrees deliver the expected curricula and equip you with the employability skills needed for practice. These include the Royal Institution of Chartered Surveyors (RICS) and the Royal Town Planning Institute (RTPI).

We have strong links with practice and there are different pathways for graduates of the School to securely professionally recognised qualifications.

Both BSc Geography (Human) and Planning and BSc Urban Planning and Development degrees are accredited by the RTPI as spatial planning degrees, while the latter is also fully recognised by RICS. You can also progress to a specialist Master’s degree for full recognition by the RTPI. Graduates of our non-accredited courses can progress to a combined Master’s degree for recognition by the RTPI. Several Masters degrees are also recognised by other professional bodies, providing you with access to multiple professional membership.

We offer specialist Masters Degrees in Urban Design; Sustainability, Planning and Environmental Policy; Urban and Regional Development; Transport and Planning; Eco-Cities, and also in Food, Space and Society.

We also offer two combined Masters degrees which allow students from any degree background to study for a RTPI recognised qualification. These are in Spatial Planning and Development and also International Planning and Development.
Healthcare Sciences

The School is the largest of its kind in the UK, with over 300 teaching, research and support staff.

96% of our graduates are in employment and/or further study six months after graduating.*

82% of our students were satisfied overall.*

The breadth and quality of our research portfolio makes for an invigorating environment in which you can pursue your academic and professional development.

100% of our submitted research rated at least of international standard with 94% classed as “internationally excellent” or “world leading”. *

There are scholarship opportunities for students choosing to study Welsh medium modules on the Adult Nursing course.
To find out more visit:
www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

*See page 40 for details of statistical sources.
### Typical Entry Requirements

For detailed entry requirements and latest typical offers please see our website.

**A-level:** Diagnostic Radiography and Imaging: BBB. Grade B in a Science A-level is required.  
Nursing: BBB (no specified subjects).  
Midwifery: ABB (no specified subjects).  
Occupational Therapy: ABB (no specified subjects).  
Operating Department Practice (ODP): BCC.  
Physiotherapy: AAB. At least grade B in Biology or Human Biology is essential.  
Radiotherapy and Oncology: BBB. Grade B in a Science A-level is required.  
General Studies, Critical Thinking and Citizenship are excluded.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**Access**  
Students must offer a credit based Nursing or Health based diploma level course validated by The Open College Network.  
Nursing: Pass with a minimum of 18 merits and 27 distinctions.  
Midwifery: Pass with a minimum of 15 merits and 30 distinctions.  
Physiotherapy: Pass of 60 credits overall, with 45 credits at level 3, to include 36 credits with Distinction (with at least 18 in Biology) and 9 credits at Merit. This is additional to GCSE entry requirements.

**Radiotherapy and Oncology, Diagnostic Radiography:** Prefer Applied Science or Biomedical Science (or a strong academic base) access diploma will be considered on an individual basis.  
ODP: Nursing/Health/Sciences/HE Pass with a minimum of 21 merits and 24 distinctions.  
IB: 24-35 points. See website for details.  
Other: Applications from those offering alternative equivalent/overseas qualifications are welcome as are those who may have other relevant work/life experience. Students with an appropriate degree of 2:2 or above may be admitted to the accelerated programme of Occupational Therapy.

**All Degrees**  
**GCSE:**  
Nursing, Midwifery, ODP and OT: 5 GCSE’s grades A-C/grades 8-4 including English, Maths and Science.  
Physiotherapy: 7 GCSE’s grades A*-C/grades 9-4 including English, Maths and Science.  
Radiotherapy and Oncology, Diagnostic Radiography: 5 GCSE’s grades A-C/grades 8-4 including English, Maths and Physics. Plus one other science or double award science.  
See page 153 for for more information about GCSE equivalencies.

**Please Note:** Deferred entry is not available for the Midwifery and Children’s Nursing programmes.

### Applications Information

Typical places: 480  
Typical applications: 5,320

### Find Out More

**Web:** [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)  
**School Brochure:** [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)  
**Admissions Tutors:**  
Senior Admissions Tutor: Gina Newbury  
Nursing: Cath Dunn  
Children’s Nursing: Martina Nathan  
Diagnostic Radiography: Mark Linehan  
Mental Health Nursing: Alex Nute  
Midwifery: Janet Israel

**Occupational Therapy:**  
Nina Cogger, Maria Clarke  
Operating Department Practice:  
Paul Hennessey, Peter Aires  
Physiotherapy:  
Amy Bendall, Jill Morgan  
Radiotherapy and Oncology:  
Nicholas Courtier  
Tel: (029) 2087 7538  
Email: HCareAdmissions@cardiff.ac.uk  
@CUHealthSci

### Careers

**Job roles**  
Advanced nurse practitioner, health visitor, lecturer, midwife, nurse, operating department practitioner, occupational therapist, physiotherapist, radiographer, research nurse and ward manager.

**Employers**  
Various Health Boards and NHS Trusts, Community Health Services, local government social service departments, international health services, higher education institutions and organisations such as Age Concern and the Cardiff Blues rugby team.
The Bachelor of Nursing programme spans three years of full-time study with a 40-week academic year. You 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. You must choose which field of nursing you wish to study prior to submitting your application.

The programme has a modular structure and consists of 120 credits per year. All modules are compulsory and integrate theoretical and practical learning. You must pass all modules in order to progress through the programme, achieve the degree of Bachelor of Midwifery (Hons) and be entered onto the midwifery part of the Nursing and Midwifery Council’s professional register.

The Midwifery programme involves 3 years of full-time study, each year consisting of 45 weeks per year and is designed for those 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 healthcare contexts that is respectful of difference and diversity. The programme recognises that students are midwives of the future, and as such will work in a range of settings. They will undertake the midwifery role promoting and enhancing the management of normal births, and coordinate and provide care in high-risk and complex pregnancies through the childbearing process.

**Personal Qualities**

You must demonstrate strong motivation and commitment to the care of women throughout pregnancy, birth and the postnatal period. We expect you to have excellent communication skills. An insight into midwifery is essential, as is an understanding of the nature and demands of the programme.

**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.

**Cardiff Connected**

“I love being a student in Cardiff, it’s got everything, things to do, places to visit. I think the course is very demanding but if it’s something you want to do then you’ll be prepared to put the time and effort into achieving your ambition. Although it’s hard work, the staff are supportive and I know that if ever I needed help I would be able to get it, this can be very reassuring at times. The clinical suites are also very realistic which makes practical activities seem so much more exciting and interesting.”

*Emily Gould  Mental Health Student*
You will have an individualised support network, both from within the School and from mentors in clinical practice. Within this, you will be encouraged to take increasing responsibility for your own learning as you progress through the programme.

**Personal Qualities (All Routes)**
You must demonstrate strong motivation and commitment to your selected area of nursing. We expect you to have excellent communication skills and a caring personality. An insight into your chosen profession is essential, as is an understanding of the nature and demands of the programme.

**Adult Nursing**
The adult nurse is well placed to influence and deliver innovative models of care to meet the health needs of those in their charge. 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 three-year adult nursing pathway, you develop the knowledge, skills and attitudes required to meet these challenges with professionalism, confidence and compassion. You 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 are practised in a wide range of hospital and community-based settings and in both NHS and independent sector organisations. You will provide care for a range of individuals whose dependence on health professionals will vary considerably.

**Child Nursing**
Children’s nursing is practised within a philosophy of family-centred care, where children, young people and their carers are actively supported to become involved in care decisions and interventions. The children’s nursing programme therefore pays particular attention to developing your caring, communication and interpersonal skills. Community-based placement learning opportunities allow you 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, child/young people’s cancer units, intensive care units and adolescent services. Many factors influence children and young people’s health and through the programme you will develop awareness of how political, social and economic policies impact on healthcare delivery. You will also be exposed to the legal and ethical frameworks that currently guide nursing care. You will have the opportunity to develop your 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 healthcare in the UK is provided through an expanding network of clinical services. Within this, the mental health nurse is well-placed to deliver quality care to people with mental health problems. Nurses work holistically to provide a values-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 addressed throughout the programme.

Theoretical learning includes skills practice, role play and feedback to enhance the development of interpersonal and clinical skills. Problem-based learning is a key feature of the programme. Our practice placements include teams working with children and young people, working-age adults and older adults in community and hospital settings. Students experience a broad range of clinical contexts such as crisis intervention teams, psychiatric intensive care units, addictions services and forensic mental health teams.
Occupational Therapy

Occupational therapy is a client-centred and holistic profession that enables people to achieve health, well-being and life satisfaction through participation in their meaningful and purposeful occupations. Occupational therapists provide practical support to enable people to overcome barriers that may prevent them from carrying out their occupations and help to increase people’s independence and satisfaction in all aspects of life.

We offer two programmes that lead to a qualification and an ability to register as an Occupational Therapist. These are via a three year, full time BSc(Hons) programme, and a two year, full time, accelerated postgraduate diploma (PgDip) programme for those with an existing degree qualification. Both programmes include an integrated mixture of university-based study alongside a minimum of 1,000 hours within a range of practice placement settings.

**BSc (Hons) Occupational Therapy**
The three-year degree in occupational therapy is offered on a full-time basis and we welcome applications from people of all ages and experiences.

**PgDip Accelerated**
The two year accelerated programme is offered on a full-time basis and is open to applicants with a minimum of 2.2 Honours Degree, in any subject. On successful completion, you will be eligible for acceptance onto the MSc in Health and Occupation, available as a stand-alone dissertation module.

**Personal Qualities for both programmes**
You should show a friendly, outgoing personality, patience, tact, a real interest in people and in helping people to solve their problems. Extracurricular activities, work experience and interests will be taken into account during selection. You should be able to communicate and demonstrate a good understanding of the occupational therapy profession and be prepared to undertake a programme which requires self-directed learning and a willingness to undertake personal research.

Operating Department Practice

**BSc (Hons) Three-Year**
Operating Department Practitioners (ODPs) are registered health professionals who have to work both autonomously and as skilled members of the inter-professional team. You will ensure infection control and safety standards are met, monitor patients’ vital signs, manage patients’ pain, and be responsible for monitoring equipment and disposables used during surgery. On qualifying, most ODPs are primarily based in the operating department but can also work in accident and emergency departments, intensive care units, maternity departments and as members of the cardiac arrest team.

We work closely with colleagues across the NHS in the provision of pre-registration education and training for ODPs throughout Wales. The programme is designed to prepare you for demanding clinical practice immediately upon qualification, and also to prepare you to continue your learning beyond registration and to promote continuous improvement in patient care. It runs for three years, during which you will gain theoretical and practical knowledge in 17 academic/clinical modules. Clinical placements accounting for approximately 60% of the programme build on this knowledge and develop the necessary skills through additional theoretical input and practical instruction in the clinical environment.

**BSc (Hons) (Post-Registration)**
The BSc in Intra and Perioperative Practice cohort is made up of qualified practitioners who are topping up from diploma to BSc. This cohort consists of qualified and registered UK based nurses, midwives and ODPs for the 2 year part-time, and international students for the 15 month full-time pathway. Please note: the 15 month pathway consists of the BSc Intra and Perioperative Practice and the BSc Intra and Perioperative Practice (anaesthesia).

**Personal Qualities**
You need to have a caring nature and be self-motivated. You should also enjoy the challenges offered by pressure situations and be comfortable working with a broad range of people. You are also expected to have a general understanding of the ODP profession and the perioperative environment.

Physiotherapy

**BSc (Hons) Three Year**
The diverse nature of physiotherapy practice is reflected in the theoretical and practical aspects of this three year (full-time) programme and involves both University based learning and 1,000 hours of clinical work placement.

Although the programme is based in Cardiff, clinical education placements take place in a number of geographical locations and in a variety of physiotherapy settings. Placement learning is a vital part of the programme and particular attention is paid to maintaining the very high standard of our clinical placements. You will gain experience in all core areas of physiotherapy. For this programme you must be 18 years old by 1st November of the year of entry.

The aim of the physiotherapy degree is to produce individuals who are capable of competent physiotherapy practice using an evaluative and problem-solving approach. You will be given the opportunity to develop knowledge and understanding in: 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. You will be encouraged to develop independent learning styles that will enable you to continue as ‘lifelong learners’.

Much of the programme is taught in small groups and tutorials, lectures and practical sessions. A personal tutor system enables careful monitoring of your progress. It is essential for you to be prepared to learn and practise practical skills on each other.

**Personal Qualities**
We seek to admit students who will show exemplary behaviour and courtesy towards patients, teaching staff, other members of the healthcare team and the general public. We also place particular emphasis on the duties and responsibilities you will have as future health professionals.

You will be expected to have researched the profession and have an understanding of the diversity of physiotherapy. Whilst work experience in a physiotherapy department is ideal for acquiring this knowledge, not all applicants will have such an opportunity. Therefore, we recommend that you obtain information from the Chartered Society of Physiotherapy website: www.csp.org.uk
Radiography

BSc (Hons) Three Year
We offer two distinct full-time programmes of study, which lead to a BSc (Hons) in Radiography. This qualification enables graduates to register as either a diagnostic or therapeutic radiographer.

Both programmes, which share some learning, include an integrated mixture of university-based study and practice placements in the clinical setting. We work collaboratively with 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 programmes are 143 weeks in duration, including approximately 35 weeks of holidays spread over the three years. The time is divided equally (50:50 split) between academic and clinical blocks. The design of the programmes prepares you for a challenging and changing career in the fields of diagnostic imaging and radiotherapy. It is envisaged that radiographers completing each programme will be able to analyse, evaluate and innovate in the clinical setting and provide the best patient care.

The programmes integrate academic and clinical education. Clinical placements may not be in Cardiff and you would be expected to travel. This is in addition to carefully planned course content that enables you to build on your clinical placement experience as your learning develops.

A research project represents the culmination of the three years of study. The research methods component of the syllabus helps provide the foundation for student’s projects and equips graduates with the necessary skills for ongoing professional development and evidence-based practice.

During your research, you will draw on the education and experience gained in your 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
We seek to admit students who work well in a team and enjoy meeting a variety of people of all ages and from different backgrounds. You should have a caring, compassionate nature, and a desire to continue acquiring new knowledge and skills. You should have a high level of competence and confidence handling sophisticated technology, be physically able to work safely, quickly and accurately, be willing to take responsibility and make decisions, and have good communication skills.

As well as academic achievements, it is expected that applicants should have undertaken relevant work experience and/or some voluntary work and to have looked into the various aspects of the profession.

Applications should have an interest in science and its application in a healthcare environment. They will be able to demonstrate a broad knowledge of the breadth and diversity of radiography working through reading radiography journals, speaking to radiographers or accessing professional sources such as the Society and College of Radiographers.
History, Archaeology and Religion

We provide **dynamic and supportive teaching** across an exciting range of complementary subjects.

**88%** of our graduates are in employment and/or further study six months after graduating.*

We offer a **Year Abroad option** for the majority of our programmes, including all of our Single Honours.

**84%** of our students were satisfied overall.*

More than **70%** of our submitted research was rated as “**internationally excellent**” or “**world leading**”.*

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*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours

Ancient History BA
(3 years) V110
(4 years*)(Year of study abroad) D274

Ancient and Medieval History BA
(Integrated programme) (3 years) V116
(4 years*)(Year of study abroad) 684K

Archaeology BA
(3 years) F400
(4 years*)(Year of study abroad) 157L

Archaeology BSc
(3 years) F402
(4 years*)(Year of study abroad) 3B98

Archaeology and Ancient History BA
(Integrated programme) (3 years) VVC4
(4 years*)(Year of study abroad) H857

Archaeology and Medieval History BA
(Integrated programme) (3 years) VV1K
(4 years*)(Year of study abroad) TLOL

Conservation of Objects in Museums and Archaeology BSc
(3 years) F481
(4 years*)(Year of study abroad) MJL2

History BA
(3 years) V100
(4 years*)(Year of study abroad) Y4SG

History with Welsh History BA
(3 years) V1V2
(4 years*)(Year of study abroad) F3PF

Modern History and Politics BScEcon LV21

Religion and Theology BA
(3 years) V6V6
(4 years*)(Year of study abroad) VV66

Joint Honours

Ancient History and History BA
(3 years) V117
(4 years*)(Year of study abroad) L1S8

Ancient History and Religious Studies BA
(3 years) VVQ1
(4 years*)(Year of study abroad) 94Z5

Archaeology and Religious Studies BA
(3 years) VV64
(4 years*)(Year of study abroad) 2N13

History and Archaeology BA
(3 years) VV14
(4 years*)(Year of study abroad) ST6G

History and Religious Studies BA
(3 years) VV61
(4 years*)(Year of study abroad) D4S7

*Four year programmes with a year abroad are available. You can choose to work or study abroad in your second year.

Other Joint Honours BA – see page 146

Ancient History and another Humanities subject

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

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

A-level: Ancient History: ABB-BBB.
Archaeology BA and BSc: ABB-BCC - (Science preferred for BSc).
Conservation: ABB-BBC.
History (Single Honours): AAB-ABB at A-Level, including A-level History.
Modern History and Politics: AAB.
Religious and Theology: ABB-BCC.
Joint Honours programmes with History: range from AAB to ABB (see information on individual degree programmes).

Other degree programmes within the School: range from AAB to BBB.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 28-36 points including scores of 5/4 at Higher Level.
Joint Honours with History: 30-34 points, to include 6 in History at Higher Level.
History: 30-34 points, to include 6 in History at Higher Level 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 us for further information.

All Degrees
A-level: General Studies and Critical Thinking are excluded.

GCSE requirements (or equivalent):
GCSE English Language at grade C or grade 4.
See page 153 for information about GCSE equivalencies.

Applications Information

Typical places: 260
Typical applications: 1,650

Find Out More

Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Enquiries:
Archaeology: Dr Ben Jervis
History: Dr Lloyd Bowen
Ancient History: Dr Louis Rawlings
Conservation: Dr Nicola Emmerson / Professor David Watkinson
Religious Studies: Dr James Hegarty
Tel: (029) 2087 4470
Email: share-admissions@cardiff.ac.uk
Facebook.com/CardiffUniHistArchRel
@CUHistArchRel
With our exciting range of degree programmes, you can study the past and beliefs from the Palaeolithic to the present day.

We offer the opportunity for Single Honours students to spend a year studying abroad at a European or North American university.

A well-resourced School, we have a strong record of excellent research-inspired teaching which is reflected in all our student satisfaction surveys and in the supportive learning environment in the School.

### BA History

Investigate past worlds and processes of change by examining key events and personalities from 1,500 years of history. You will re-evaluate existing understandings of the past to create new and original interpretations of your own. We enhance and extend your historical knowledge and skills from the medieval to the modern.

You develop skills as an independent thinker and learner, enabling you to research topics comprehensively and interpret original sources from a diversity of places and periods.

Taught by leading academics, you can explore the history of societies in diverse parts of the globe, including Europe (particularly Britain, France and Germany) China, India and Russia. Topics range from the Nazi New Order in the twentieth century to the British civil wars of the seventeenth, from medieval sexuality to the cultural consequences of World War One, and from 18th century crime and punishment to the economic history of 20th century Europe.

You have growing freedom of choice of modules, with the core modules of History in Practice (Year One), Approaches to History and Exploring Historical Debate (Year Two). You choose further modules each year culminating in your choice of three advanced optional modules including a dissertation in your final year.

### BA History with Welsh History

Explore Wales’ dynamic modern history within a global context. Offering an in-depth understanding of the history of Wales and the Welsh, our respected programme enables you to reflect upon the country’s international contribution. Teaching in a number of modules is available in Welsh.

### Careers

A Humanities degree is relevant for a very wide variety of careers, particularly industry and business, the Civil Service and local government, law, journalism and the media, where employers are looking for people who are articulate, capable of both thinking for themselves and tackling problems intelligently. Our graduates also choose careers in related fields as professional archaeologists, museum or archive specialists, teachers and lecturers. Most Conservation graduates remain within their chosen field.

**Job roles**

- Broadcast journalist, lawyer, field archaeologist, care of collections officer, preventative conservator, assistant chaplain, and teacher.

### Employers

Local government departments, universities, public libraries plus organisations such as the Church in Wales, Cambridge Museum of Archaeology and Anthropology and the Department of Education.

### Located next to the Arts and Social Studies Library

In the John Percival Building, our facilities include purpose-built laboratories for those studying Archaeology or Conservation, as well as a range of photographic and drawing facilities, and specialist Ancient History, Conservation and Religious Studies libraries.

### Cardiff Connected

“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!”

**Chris Duggan**  Religious Studies and Politics

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www.cardiff.ac.uk/courses
With a critical understanding of the political, social, economic and cultural structures and achievements of the ancient world, our programme equips you to understand and interpret antiquity’s profound and continuing influence on civilisation today.

**BA/BSc Archaeology**

Investigate the material remains of past societies and cultures, from the earliest humans to the present day. Equipping you with both practical and academic skills, our respected programmes can open up careers within the heritage sector and beyond.

We focus on the archaeology of the British Isles, Europe, the Mediterranean and Egypt. You can choose our BA or BSc option. BSc Archaeology places a stronger emphasis on science, but the degree structures are very similar.

You can combine the study of specific periods - from the origins of agriculture in the Neolithic to the archaeology of Egypt, Greece, the Romans, Vikings and medieval Britain - with the acquisition of practical skills. All studies take place in purpose-built lecture theatres and teaching laboratories, with additional access to our specialist bioarchaeology and materials analysis laboratories.

We place a strong focus on practical modules, including bioarchaeology, artefact analysis, forensics and surveying. You undertake at least eight weeks of funded practical placement, usually on an excavation or in a museum within the UK or overseas. You also undertake your own research, investigating a chosen topic of interest (Independent Archaeological Study in Year Two), potentially progressing to a dissertation option in your final year.

Fundamentally, we encourage you to develop a critical attitude, founded upon sound practical experience - you will become an archaeologist by doing Archaeology, not just reading about it.

**BA Ancient and Medieval History**

Our integrated programmes allow you to investigate the past and benefit from leading experts in two complementary disciplines. Our modules equip you with the skills to interpret a broad range of evidence by adopting different methodological approaches, as appropriate.

**BA Archaeology and Ancient History**

**BA Archaeology and Medieval History**

**BScEcon Modern History and Politics**

Investigate the great political problems of the past and present informed by their historical context.

This integrated degree allows you to engage with a wide range of subject areas from the modern world through a generous choice of option modules on historical and political themes. Jointly taught with the School of Law and Politics, our broad-ranging programme is designed to develop a critical understanding of pressing issues in modern public life.

**BA Religion and Theology**

In our richly rewarding degree you will explore the histories, cultures and beliefs of both major and less well known traditions, taking your pick of thematic, historical, textual and social scientific approaches.

You tailor your own programme where you combine thematic, social scientific, linguistic and historical approaches, addressing both the history and basic beliefs of religious traditions and their thematic study, from religion in the media to mythology in modern cinema. Examining religious history and culture across a broad spectrum, you will also consider the political and social dimensions of religion, from gender and sexuality to warfare and social ethics.

In Year One, you study The Origins and Legacies of Religion in the Modern World and Themes and Issues in the Study of Religion with optional modules in Theology and Scriptural Languages (typically Hebrew, Greek, Sanskrit or Arabic). In Year Two, you take What is Religion? and choose four options from our five key areas of enquiry: World Religions; Scriptural Languages; Theology and Ethics; Textual Studies; and Thematic Studies.

You also study a single topic or text in depth with either a supervised independent study or translation (subject to your choice of Year One options). In your final year, you take three advanced options, choosing from our key areas of enquiry. Your studies culminate with your dissertation or extended translation of a religious text.

**Further Information**

**Joint Honours Degree Programmes**

For further information about the many other Joint Honours degree programmes, please also see page 146.

**Methods of Teaching**

We place a value on small teaching groups and tutorials, and on contact with you. We believe that seminars and tutorials are an essential part of learning; allowing you to develop your skills in setting out your ideas and arguments and in communicating your knowledge. These skills are further developed through our wide range of assessment methods.

**Methods of Assessment**

Many of the modules we teach 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 made an offer, you will be invited to one of our Open Days between January and March.
Journalism, Media and Cultural Studies

There are scholarship opportunities for students choosing to study part of their course through the medium of Welsh.

To find out more visit: www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

- **88%** of our graduates are in employment and/or further study six months after graduating.*
- **89%** of our submitted research was rated as “internationally excellent” or “world leading”.*
- **95%** of our students were satisfied overall.*

We are ranked second in the UK for the **world-leading quality** and **impact** of our communication, cultural and media studies research. (REF 2014)

1st in the **Guardian’s University league tables 2017** for Journalism and Public Relations.*

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours
Media, Journalism and Culture BA        R5V2
Journalism and Communications BA       0N3D
Media and Communications BA            3M7D

Joint Honours
Journalism, Communications and Politics BA J323
Journalism, Media and English Literature BA PQ53
Journalism, Media and Sociology BA     LP35
Welsh and Journalism BA                PQ55

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

**Single Honours:**

**ABB:** No specific subjects.

**Joint Honours:** Offers for Joint Honours are normally the same as for Single Honours, except when one subject requires higher grades than the other.

BA in Journalism, Media and English Literature requires AAB, including an A in English Literature, or English Literature and Language or Creative Writing. General Studies is not accepted.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 33 points (including 6 points in English).

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

International students should have achieved an overall IELTS score of 7 (with a sub-score of 6.5 in writing and 6 in all other sub scores) or similar evidence of strong English language proficiency.

Applications Information

**Typical places:** 125  **Typical applications:** 1,000

Find Out More

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Admissions Tutors: Dr Mike Berry / Dr Ross Garner / Dr Caitriona Noonan
Tel: (029) 2087 0630 / (029) 2087 5475 / (029) 2087 4187
Email: jomecstudentsupport@cardiff.ac.uk
Welsh Language Admissions Tutor: Sian Morgan Lloyd
Tel: (029) 2087 6843

Facebook.com/cardiffjomec  @CardiffJomec

Careers

Recent examples of entry level jobs include: Content Author, Digital Media Executive, Social Media Policy Advisor, Research Intern, Editorial Intern, Reporter, PR Executive/Assistant, Policy Intern, Campaign Executive, Teaching Assistant, Project Manager, SEO Copywriter and Writer.

Having progressed from entry-level jobs our alumni now hold numerous media and administration roles. Job examples include: Production Journalist (Telegraph Media Group); Magazine Editor (The Independent); Senior Press Officer (Guardian News and Media); Fashion designer/Entrepreneur (N16 Vintage) and Digital Campaigns and Community Manager (Ruder Finn).

Many of our graduates progress onto our postgraduate journalism and communications degrees, available at Cardiff University and elsewhere, and from there to various jobs in the media.

CardiffConnected

“I really enjoyed my course because it always offered a great selection of modules. Overall, I have gained a thorough understanding of the news media industry and the lectures were clear, well-structured and interesting. There’s a wonderful sense of community here. Cardiff University has a very high reputation, especially in the field of Journalism, so this definitely impacted on my decision three years ago. I also attended the open day and I was blown away by the enthusiasm the students had for Cardiff! The course really appealed to me and the city seemed lovely, so it just felt like the right choice.”

Amber Grace Dite  BA Graduate
Our degree programmes study the many facets of journalism, media, culture and communications, and consider in an era of globalisation their impact on society, politics and popular culture.

We offer seven undergraduate degree options that draw on our historical integrity, research impact, excellent teaching satisfaction ratings, contemporary degree subjects and a track record of providing essential career skills. Our degrees provide you with job-specific skills such as research methods, media practice and much broader transferable digital skills valuable to a range of sectors.

You will join a stimulating intellectual environment committed to maximising your potential through personal development and careers events, such as the first, second and third year away days. Away days allow you to meet industry professionals and former students currently working in the media, as well as those students who chose further study.

You will be introduced to 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.

Teaching, Academic Progress and Feedback

Our staff include some of the world’s leading writers, researchers and thinkers in the fields of journalism, media and communication. They work alongside professional colleagues who have enjoyed outstanding careers in journalism, the media industries and public relations. We also provide opportunities to study part of your degree through the medium of Welsh.

You will be assigned a personal tutor for the duration of your degree who will be your main contact for any academic and pastoral matters. Meetings with your tutor will be used to discuss your academic progress, provide feedback and advice and to make future plans.

In the 2016 National Student Survey, we achieved an overall student satisfaction rating of 95%, while in 2016 and 2017, The Guardian’s league table for journalism and public relations ranked us in first place.

You have the opportunity to study Joint Honours Welsh and Journalism, through the medium of Welsh, with this unique course. It has been designed in response to the high demand for journalists with Welsh language and journalistic skills. The course will combine academic rigour and analysis with the opportunity for work experience and practical extra-curricular activities.

Our Research Environment

You will find a great number of our teaching staff involved in research across a number of varied themes, including politics and elections, social media and protest, surveillance, media policy, democracy, television studies, representing diversity and reporting science.

A key strength of our environment is the dialogue between research and practice based staff which helps us to deliver impactful research outcomes in terms of practice and policy in the wider world. Teaching is often informed by our research and our centres and groups contribute to the School’s day-to-day research environment through research seminars, guest speakers and conferences.

We are ranked second in the UK for the world-leading quality and impact of our communication, cultural and media studies research. (REF 2014).

BA Media, Journalism and Culture

The overall aim of this degree is to equip you to become well informed citizens in a media saturated society. While you are able to take a number of more practical modules, the emphasis of the degree is academic and analytical. It begins with the assumption that in order to understand modern society, we need to understand the central role that media and the cultural industries play in that society.

The degree studies the production, content and reception of media and the cultural industries, with particular emphasis on understanding the social production and circulation of meanings and ideas. You develop skills in the close analysis of different media texts, including print, visual, audio and moving images.

BA Journalism and Communications

The overall aim of the degree is to provide you with an analytical and practical sense of Journalism and Communications. While you are able to take a number of practical modules, the emphasis of the degree is academic and analytical. You will have the opportunity to develop academic, professional and digital literacies that are invaluable in the workplace.

On a practical level, you produce digital portfolios, practice journalistic writing skills across a number of platforms including online, broadcast, print and magazines. You will pitch ideas for new editorial products and businesses, and use a variety of software to produce graphic outputs, blogs, apps, and social media campaigns.

BA Media and Communications

You develop an understanding of the historical and cultural basis of the study of the media and cultural industries and their roles in modern society. You will be taught how participatory access to the sites of public culture and communication are distributed along the axes of social division such as disability, class, ethnicity, gender, nationality and sexuality.

Critical and analytical thinking skills are developed in a variety of areas including the study of popular cultures, advertising, world cinema and television studies. You engage with major thinkers, debates and intellectual paradigms within the field and put them to productive use.

BA Journalism, Communications and Politics

This Joint Honours degree is delivered in partnership by the School of Journalism, Media and Cultural Studies and the School of Law and Politics. It offers you the opportunity to explore the current debates in media studies and political science.

This degree analyses and reflects upon changes to both politics and policy driven by the growth of social media, the communications industry and the 24/7 news cycle. You benefit from teaching led by experts in the fields of journalism and media studies on the one hand and political science and Government on the other.

Journalism, Media and English Literature

This Joint Honours degree is delivered by the School of English, Communication and Philosophy and the School of Journalism, Media and Cultural Studies.

The degree examines the media in its growth and historical and cultural significance in shaping our lives, whilst also offering a critical analysis of a range of texts from different periods together with the exploration of complex ideas.

Journalism, Media and Sociology

This Joint Honours degree is delivered in partnership by the School of Social Sciences and the School of Journalism, Media and Cultural Studies. It offers you the opportunity to explore current debates in sociological concepts and methods, communications and media studies. This modern degree enables students to make sense of society and the role of mass communications in an era of globalisation and social change.

Welsh and Journalism

You have the opportunity to study Joint Honours Welsh and Journalism, through the medium of Welsh, with this unique course.

It has been designed in response to the high demand for journalists with Welsh language and journalistic skills. The course will combine academic rigour and analysis with the opportunity for work experience and practical extra-curricular activities.
The Cardiff Law Library is described as ‘outstanding’ by the Higher Education Funding Council for Wales.

93% of our graduates are in employment and/or further study six months after graduating.*

Practice and develop your employability skills via our Pro Bono partnerships with charities, lawyers and voluntary organisations.

89% of our students were satisfied overall.*

100% of our submitted research rated at least of international standard with 84% classed as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

<table>
<thead>
<tr>
<th>Programme</th>
<th>UCAS Code</th>
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<tbody>
<tr>
<td>Law LLB</td>
<td>M100</td>
</tr>
<tr>
<td>Law and French LLB</td>
<td>RM11</td>
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<tr>
<td>Law and German LLB</td>
<td>RM21</td>
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<tr>
<td>Law and Criminology LLB</td>
<td>M190</td>
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<tr>
<td>Law and Politics LLB</td>
<td>ML12</td>
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<tr>
<td>Law and Sociology LLB</td>
<td>ML13</td>
</tr>
<tr>
<td>Law and Welsh LLB</td>
<td>MQ15</td>
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Accreditation
Our programmes are accredited by the Solicitor’s Regulation Authority (SRA) and the Bar Council.

Typical Entry Requirements
These typical requirements are for guidance. Please check our website for latest information.

A-level: Law: AAA-AAB or AABB-ABBB.
        Law and French: AAA-AAB or AABB-ABBB (to include grade B in French).
        Law and German: AAA-AAB or AABB-ABBB (to include grade B in German).
        Law and Welsh: AAA-AAB or AABB-ABBB (to include grade B in Welsh first language).
        Law and Criminology/Politics/Sociology: AAA-AAB or AABB-ABBB.

There are no specific subjects required. However, we require a minimum of two traditional academic subjects. Please check website for more information.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 35 points.

Other: Applications from those offering alternative qualifications are welcome. Please contact us for more information.

All Degrees
GCSE requirements (or equivalent):
GCSE English Language at grade C or grade 4.
See page 153 for information about GCSE equivalencies.

We are situated at the heart of Wales’ capital city, Cardiff, in the civic and legal centre.

Applications Information
Typical places: 220  Typical applications: 2,400

Find Out More
Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Enquiries:
Tel: (029) 2087 5406
Email: lawpladmissions@cardiff.ac.uk

Facebook.com/cardifflawschool  @CardiffLaw

Careers
Our award-winning Pro Bono Unit gives you the opportunity to enhance your practical legal skills alongside your studies, to give you a taste of law in the real world. Pro Bono schemes include our Innocence Project, which made national and international news in late 2014, as the first UK university innocence project to successfully overturn a wrongful murder conviction at the Court of Appeal. Other schemes involve working in partnership with lawyers, charities and voluntary organisations to offer legal advice to vulnerable members of society. For more information on our Pro Bono Unit, go to: www.cardiff.ac.uk/law-politics/courses/law/pro-bono

Our graduates occupy key positions in the legal profession, business, industry and government, in the UK, the European Union and beyond. To assist you in your career planning, we have a dedicated Law Careers Advisor, and we provide a comprehensive careers programme.

Cardiff Connected
“My Cardiff University experience has been the best four years of my life. I chose the Law and French programme due to my desire to improve my French ability whilst combining that with the academic rigour of a law degree.

During my time on the Law and French programme, I have had the opportunity to sit (and pass!) a French Law degree on my year abroad, successfully win back thousands of pounds of care home fees for a client via the School’s Pro Bono scheme, and act as President of the Law Society.

These opportunities, coupled with being taught by leading academics in Law, have led to my University experience being both intellectually stimulating and incredibly rewarding. It is thanks to Cardiff University and the breadth of experiences on offer that I have successfully secured a training contract with an international law firm when I graduate.”

Alexander Love  Law and French student

www.cardiff.ac.uk/courses
The School of Law and Politics has an outstanding reputation for first-class teaching, underpinned by internationally renowned research.

You will be taught by world-leading experts and gain hands-on experience of the law through an impressive range of extra curricular opportunities. The School of Law and Politics has excellent rates of student satisfaction and is an intellectually stimulating, supportive and friendly place in which to study.

All of our law programmes are currently 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 and Law and 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.

**LLB Degree in Law**

This is a three-year Honours degree programme. 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**


**Years Two and Three**

In Years Two and Three you pursue modules amounting to 120 credits in each year, chosen from the list of optional subjects normally available for that year of study. This list is kept under review on an annual basis. This academic year, for example, the options available are:

**Year Two**

- Discrimination and Law
- Evidence
- French Law
- German Law
- Labour Law
- Land Law*
- Law and Literature
- Law and Religion
- Media Law
- Public International Law
- Research in Law
- Sociology of Law
- Tort*
- Welsh Devolution

**Year Three**

- Commercial Law
- Company Law
- Devolution in Practice: Welsh Law and Politics Work Placement
- Dissertation
- Family Law
- Human Rights Law
- Intellectual Property
- Qualifying Law Degree subjects.
- Jurisprudence
- Law of the European Union*
- Legal History
- Law, Justice and Environment
- Public International Law
- Sports Law
- Trusts*

**LLB Law and French; LLB 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, we offer such programmes 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 widens your intellectual horizons and deepens your appreciation of the basic legal institutions.

**Year One**

You study 120 credits: 40 relate to the language, institutions and culture of the relevant country, 80 are Contract, Legal Foundations, Public Law and Criminal Law.

**Year Two**

This year 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.

**Year Abroad**

This year is spent in the Law Faculty of a French, German or Austrian university. Currently, Law and French students go to Amiens, Nantes, Rennes or Toulouse; Law and German students to Passau, the Martin-Luther University, Halle-Wittenberg, Hamburg, or Innsbruck in Austria. In each case, you follow a programme in both the language and laws of the country concerned. While there, you will be required to start written projects for both the Schools of Law and Politics and the School of Modern Languages, which you will complete in your final year.

If you choose to study Law and French you will have the opportunity to obtain a double diploma in law; the LLB Law and French and the French Licence (French national law degree). This is available during the year abroad in Nantes and Amiens.

**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 the School of Law and Politics and the School of Modern Languages.

**LLB Law and Welsh**

The LLB degree in Law and Welsh enables you to combine study of Law and Welsh and to consider legal issues of particular relevance to Wales. You study 120 credits in each year, with 80 credits in Law and 40 credits from the School of Welsh.

**Year One**

You study 120 credits: 40 from the School of Welsh and 80 in Contract, Legal Foundations, Public Law and Criminal Law.

**Years Two and Three**

There are compulsory subjects in both years. In the second year these are Datnagoli yng Nghymru and Cymraeg y Gweithia’r Gymuned and in the third, a Law Dissertation (a piece of written work on a topic of your own choice). You then choose your remaining modules from a wide range of options in the School of Law and Politics and the School of Welsh.

**LLB Law and Politics; LLB Law and Sociology; LLB Law and Criminology**

In each year of the degree programme, you study modules to the value of 120 credits. You will take 80 credits in Law with the 40 remaining credits taken in either Sociology, Criminology or Politics and International Relations modules depending on which subject you have opted for.

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 the School of Social Sciences and the Department of Politics and International Relations.

**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.

**Years Two and Three**

120 credits are taken in each year with 80 credits in law modules and the remaining modules in Criminology, Sociology or Politics and International Relations.

The non-law modules must be chosen from those in Criminology or Sociology offered by the
School of Social Sciences, or in Politics offered by the Department of Politics and International Relations. Further details can be obtained from these academic schools.

Changes in Programme
In all degree programmes the list of available modules is kept under review. We reserve the right to add and delete subjects when necessary.

Exemption from Professional Examinations
All LLB degree programmes currently 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 the School of Law and Politics can take one of three forms:

Postgraduate Taught Study:
We offer a broad based LLM programme leading to the degree Master of Laws. You can choose to pursue either non-specialised legal study or one of our specialised programmes in:
- Canon Law
- European Legal Studies
- Governance and Devolution
- Human Rights Law
- Intellectual Property Law
- International Commercial Law
- Legal Aspects of Medical Practice
- Legal and Political Aspects of International Affairs
- Shipping Law
- Social Care Law

Professional Legal Training:
The Centre for Professional Legal Studies (CPLS) offers the Legal Practice Course (part-time and full-time), for graduates wishing to become solicitors, and the Bar Professional Training Course (BPTC), 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. CPLS also offers the Graduate Diploma in Law (GDL), the conversion qualification enabling non-Law graduates to become eligible to train as solicitors or barristers.

An LLM in Legal Practice (a 60 credit dissertation only programme which can be pursued by distance learning), is now available to those who have successfully completed either the Legal Practice Course (LPC) or Bar Professional Training Course (BPTC) or its predecessor course, the Bar Vocational Course (BVC).

Postgraduate Research Study:
We offer opportunities for full and part-time study leading to MPhil/PhD degrees.
There are scholarship opportunities for students choosing to study part of their course through the medium of Welsh.

To find out more visit: www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

Our programmes are accredited to meet the educational requirements of the Chartered Mathematician designation awarded by the Institute of Mathematics and its Applications.

We offer a Year Abroad programme and a Professional Placement programme so you can develop you mathematical knowledge in different environments.

Our programmes are flexible, allowing you to specialise as you progress through the course.

Our programmes are intellectually exciting and our graduates are in demand in both the public and private sector.

90% of our submitted research was rated as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours

Mathematics MMath
(4 years) G101
(5 years) (with a Year Abroad) G104

Mathematics BSc (Hons)
(4 years) G100
(4 years) (with a Placement Year) G102
(4 years) (with a Year Abroad) G103

Applied Mathematics BSc (Hons)
(3 years) G120
(4 years) (with a Placement Year) G111
(4 years) (with a Year Abroad) G900

Mathematics, Operational Research and Statistics BSc (Hons)
(3 years) G991
(4 years) (with a Placement Year) G990
(4 years) (with a Year Abroad) G623

Financial Mathematics BSc (Hons)
(3 years) I5R4
(4 years) (with a Placement Year) I5R6
(4 years) (with a Year Abroad) I5R5

Joint Honours

Mathematics and Physics BSc (Hons)
(3 years) FG31
(4 years) (with a Placement Year) see website
(4 years) (with a Year Abroad) 133K

Mathematics and Music BA
(3 Years) GW13
(4 Years) (with a Year Abroad) GW31

Accreditation

Courses are accredited by the Institute of Mathematics and its Applications (IMA).

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

A-level:
- **MMath:** AAA/A*AB including a minimum grade A in Mathematics.
- **BSc Financial Mathematics:** AAA/A*AB including a minimum grade A in Mathematics.
- **BSc:** AAB/A*BB/A*AC including a minimum grade A in Mathematics and grade B in Physics.
- **BA:** ABB including a minimum grade A in Mathematics and grade B in Music.

All Joint Honours applicants with Music are expected to have gained or show evidence of working towards grade 8 in one instrument or voice. Grade 8 Practical plus grade 8 Theory may be accepted in lieu of A level Music.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 34 (BSc) or 36 (MMath) points including at least 6 in 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.

All Degrees

We do not accept General Studies or Critical Thinking.

AS-level: Except for Mathematics, two AS subjects may be considered in lieu of a third A-level.

GCSE requirements (or equivalent):
GCSE English Language at grade C or grade 4.
See page 153 for information about GCSE equivalencies.

Applications Information

Typical places: 175   Typical applications: 900

Find Out More

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Admissions Tutor: Dr Jon Gillard
Email: GillardJW@cardiff.ac.uk
Admissions Enquiries: Ms Caroline Frame
Tel: (029) 2087 4811
Email: FrameC@cardiff.ac.uk

Facebook.com/cardiffuniug   @MathsCU

The School is close to the Students’ Union and two student residences, and a short walk from the city centre. Within our building there is a library, a café, and an excellent range of IT facilities as well as the usual lecture and tutorial rooms. We are completing work on a bespoke Trading Room for simulating financial trading, and there are quiet study areas for revision and collaboration spaces for project work.
The pursuit of mathematics is one of the oldest of intellectual activities. It pervades all branches of science, and has significant relevance to the arts, humanities and social sciences.

Our degree programmes will equip you with specialist numerical skills and develop your capacity for logical and analytical thought. These are qualities which are in demand across a broad range of stimulating and rewarding careers.

Year One is similar for all of our degree programmes and in subsequent years a wide range of modules are available, reflecting the breadth of interests of the staff in the School. Our research is truly interdisciplinary and we have provided solutions to contemporary issues such as data security and hospital waiting times. We also have close links with industry, commerce and outside research centres through contract work and consultancies.

We provide an innovative and friendly environment and you will be allocated a Personal Tutor to offer pastoral advice, guidance and support, who will help you to reflect upon your academic and personal development.

Students with any mathematical question can get help either one-to-one or in a small group at the Maths Support drop-in service. This is available to all Cardiff University students. Our website will have the most up-to-date list of modules that are currently available for each degree programme.

**Masters in Mathematics – MMath**

This offers 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. In your final year, the course develops research training and enhanced mathematical skills, especially in areas such as mathematical analysis and fluid dynamics.

There is also a major piece of project work in which you will undertake novel research. The course is ideal for students who want to gain a deeper understanding of mathematics, particularly if you are considering a research career or want to work for a technological company.

**Mathematics**

The Mathematics BSc degree programme is our most 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.

The second and final years allow you to build upon your interests, with a wide choice of specialised modules in subjects such as coding theory and data compression, knots, mathematical programming, data mining, fluid dynamics, official statistics and operational research.

**Applied Mathematics**

This is the study of the application of mathematics and computational techniques to real-world problems, often in science and industry. We have a strong research group in Applied and Computational Mathematics and specialist topics can be studied on this programme, such as numerical analysis, fluid and solid mechanics and methods of applied mathematics. You will still have a range of options from pure mathematics and statistics, and also a choice of applied mathematics projects in your final year.

**Mathematics, Operational Research and Statistics**

These degree programmes couple specialisation in Statistics and Operational Research with the study of the principles of mathematics. Operational research leads on from decision mathematics and is based on the concept of mathematically finding and measuring high quality solutions to a real problem or set of problems.

The emphasis in the second and final years is on the application of statistics and operational research, particularly in industry and commerce. We have strong links with local organisations such as the Office for National Statistics and Welsh Government who provide competitive placement opportunities for students on the Professional Placement programme.

**Financial Mathematics**

In addition to a good understanding of financial markets and institutions, modern finance studies require competency in complex modelling techniques and mathematical and statistical analysis as well as knowledge of innovative financial products, regulations and strategies.

This programme utilises theories and tools in mathematics, statistics and finance to focus on issues and topics relevant to the computational and market design side of contemporary finance. The programme is tailored to meet the needs of those interested in complex systems, trading (in particular high frequency trading), fund management, analytics and other far-ranging topics in the world of finance.

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**Cardiff Connected**

Krupa studied for the BSc Mathematics, Operational Research and Statistics degree course and spent her placement year working with GlaxoSmithKline, a large pharmaceutical company, based at their site in Greenford, Middlesex. After graduation Krupa decided that she would embark on a career in the financial industry. She is now working as a trainee accountant for a large firm of chartered accountants who are sponsoring her while she studies for her professional qualifications.

**Krupa Patel** BSc Mathematics, Operational Research and Statistics
Graduates will have excellent career opportunities in many areas of finance, including asset management, hedging, trading, analysis and investment banking.

**Joint Honours Degree Programmes**

**Mathematics and Physics**
This Joint Honours programme is designed for those who seek greater breadth than that in the single honours programmes of Mathematics (G100) and Physics (F300). The interface between these disciplines is becoming less clearly defined, and this programme could lead to many interesting careers or further study covering both subjects. You will spend roughly equal amounts of time in Mathematics and Physics, and you can choose a theoretical project instead of laboratory work in your final year.

Information about the School of Physics is available on page 127.

**Mathematics and Music**
Information about the School of Music is available on page 118.

**Professional Placement**
You can spend your third year away from University on a paid professional placement by enrolling on four-year versions of our degree programmes. You will have support during your second year to apply and prepare for placements. These can be undertaken with a wide range of providers across industry and government, including many in the financial services, the pharmaceutical industry, retail, and organisations such as the Office for National Statistics.

As an employee, your work will be directly supervised by the placement provider, and your academic progress will be monitored by the School. Students have recently completed placements within organisations such as Lloyds Banking Group, Rolls-Royce, Ministry of Defence, GlaxoSmithKline, Welsh Government, Deloitte, and Air Traffic Control.

As a graduate with a year of placement experience, you will have considerable personal and professional skills in readiness for a competitive jobs market.

**Year Abroad**
As part of our four-year degree programmes you could spend the third year studying Mathematics at a university abroad. We have agreements with a number of institutions across Europe, the United States, Canada and Australia. You will have support to apply for your third year to be spent overseas and in some cases funding is available for travel and living costs. Please contact us for more details.

**Project Work**
A project may replace one or two modules in the final year of any of our BSc 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.
There is an opportunity to study part of your Medicine degree through the medium of Welsh, with scholarships opportunities also available.

To find out more visit: [www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

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100% of our Medical Pharmacology students were satisfied overall.*

99% of our graduates are in employment and/or further study six months after graduating.*

96% of our MBBCh students find their course intellectually stimulating.*

97% of our MBBCh students were satisfied overall.*

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*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

<table>
<thead>
<tr>
<th>Medicine MBBCh</th>
<th>A101</th>
<th>A100</th>
<th>A104</th>
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Accreditation
These programmes are accredited by the General Medical Council.

Applications Information

Typical places: 284 UK/EU and up to 25 International places for A100

Typical applications: The number of applications per place is normally around 10:1

Find Out More

Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Enquiries: Tel: (029) 2068 8113 / 8037
Email: medadmissions@cardiff.ac.uk

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.
Applicants who receive an offer from us will always have had an interview first.

A100 5 Year Programme

GCSE: Please see website.

A-level: AAA grades. These must include Chemistry and Biology but cannot include Critical Thinking and General Studies. Applicants undertaking science GCSE A-levels where a separate practical endorsement is reported will require a pass in this element.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: Applicants require an overall total of 36 points (excluding Theory of Knowledge and the Extended Essay) for entry. A minimum of 19 points must be achieved in the Higher Level subjects made up of a score of 7, 6, 6. Two sciences (from Chemistry, Biology, Physics and either Mathematics or Statistics must be offered at Higher 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 Language and B in Mathematics at GCSE. Graduates must either have Chemistry and Biology/Human Biology at A2-Level or have studied a degree course that provides a sufficient base in these sciences.

Other: Applications from those offering equivalent/overseas qualifications are welcome. International students without the required subjects for A100 are encouraged to apply for A104 provided they meet the minimum entry requirements for that course.

Please see www.cardiff.ac.uk/medicine/courses for more information.

A101 Accelerated Medicine Programme

This is a specific four year programme for applicants who are currently enrolled on to a Feeder Stream accelerated entry programme within one of the following programmes:

i. BMedSci Degree in Medical Sciences from the University of Bangor (B100)
ii. BSc (Hons) Medical Sciences Degree, School of Medicine, Cardiff University (B901)
iii. BSc (Hons) Medical Pharmacology degree, School of Medicine, Cardiff University (B210)
iv. BSc (Hons) Biomedical Sciences degree, School of Biosciences, Cardiff University (BC97)

The Feeder Stream programmes enable a small number of selected students within the above programmes to join the feeder stream and graduate from these programmes with a first or upper second class honours degree, to enter the second year of the five year A100 Medical programme.

GCSE: Please see website.

A-level: BBB grades at A-level in any subjects acceptable to the feeder course you plan to do first. General Studies and Critical Thinking are not accepted. Please refer to admissions policy for full information.

A104 Foundation 6 Year Programme

Entry is restricted to applicants who do not offer the correct combination of science subjects for the A100 Programme. A/AS-level, GCSE, WBA and IB entry standards are similar to those for the five-year programme. Applicants who satisfy the initial selection criteria will be interviewed. A/AS-level, GCSE, WBA and IB entry standards are similar to those for the five-year programme. Applicants who satisfy the initial selection criteria will be interviewed.

GCSE: Please see website.

A-level: If your qualifications do not include the correct subjects to be considered for A100, then you may apply for the A104 course. You will need AAA in three subjects at A-level.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: Applicants require an overall total of 36 points (excluding Theory of Knowledge and the Extended Essay) for entry. A minimum of 19 points must be achieved in the Higher Level subjects made up of a score of 7, 6, 6.

Additional Requirements

UKCAT: All applicants must sit the UKCAT aptitude test www.ukcat.ac.uk unless they hold a degree or are in their final year of undergraduate study and are applying for A100 or A101. It must be taken in the year of making an application.

GAMSAT: All Graduate applicants, other than those applying for A104, will be required to sit the GAMSAT examination prior to applying, in order for their application to be considered. Graduate applicants are not required to sit the UKCAT unless applying for A104, when they will sit UKCAT instead of GAMSAT.

Non-academic Requirements: Applicants who meet the minimum academic requirements and are sufficiently highly ranked academically are assessed on non-academic criteria according to the information contained in their Personal Statement and the Referee’s Report, given in the UCAS application. The following are assessed and scored:

• Medical motivation and awareness of the career
• Caring ethos and a sense of social awareness
• Sense of responsibility
• Evidence of a balanced approach to life
• Evidence of self-directed learning and extracurricular activities
• Academic referee’s report.
We offer three routes to MBBCh:

- A100 standard 5 year undergraduate programme
- A104 6 year programme (5 years + preliminary year for those without non-science A-levels)
- A101 4 year graduate entry scheme (via our specified feeder streams only)

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

### Five Year MBBCh Programme (A100)

This is the conventional 5 year programme leading to the MBBCh degree and is available to students who have appropriate science A-levels (or equivalent).

### Four Year Graduate Entry Medicine MBBCh Programme via feeder stream (A101)

A limited number of places on this programme are available to students who have successfully completed one of four recognised three year degree schemes:

1. BMedSci Degree from the University of Bangor (B100)
2. BSc (Hons) Medical Sciences Degree from the University of South Wales (B901)
3. BSc (Hons) Medical Pharmacology Degree School of Medicine, Cardiff University (B210)
4. BSc (Hons) Biomedical Sciences Degree School of Biosciences, Cardiff University (BC97).

If you are accepted to the graduate entry scheme, you will complete a three week preparatory course and then join Year Two of the A100 programme. (The content is described in more detail in the Year Two, Three, Four and Five entries later in this prospectus). The preparatory course is designed to introduce Case Based Learning and begin the development of your clinical skills that you will consolidate throughout the programme.

### Six Year Foundation Programme Including preliminary year (A104)

This programme is available to students who have demonstrated high academic potential but who do not have the required science background. During the Preliminary Year, you will study an ‘Introduction to Medical Sciences’ and a variety of other science-based modules. Modules include the biological and chemical sciences and mathematics and a range of optional modules. Following satisfactory completion of the Preliminary Year, you will enter Year One of the integrated programme.

The School of Medicine is one of the largest medical schools in the UK and has an international reputation for teaching and research.

Our redesigned MBBCh programme includes the latest learning and teaching techniques to meet the needs of the NHS. As a Cardiff University student, you will start seeing patients in your first year and learn clinical skills. Much of your learning will be focussed on clinical cases to help you understand the basic sciences needed and develop the skills you need to be a doctor.

### Careers

**Job roles**

Acute Care, Anaesthetics, Clinical Academia, Emergency Medicine, General Practice, Intensive Care, Medicine, Occupational Medicine, Obstetrics and Gynaecology, Ophthalmology, Paediatrics, Pathology, Psychiatry, Public Health, Radiology.

**Employers**

The NHS, General Practices, Armed Forces, private health sector or voluntary sector, Universities and many diverse areas where medical knowledge or clinical skills are needed.

**Cardiff Connected**

"Studying medicine in Wales has truly been a great experience for me. From hands-on anatomy teaching and early clinical exposure to brilliant teaching in a huge range of facilities, Cardiff University offers it all! Studying at a leading research university means plenty of opportunity to get involved in cutting-edge research. We also spend a lot of time with patients and the med school supports us so that whatever we do, we can do it well.

After four years, I can honestly call Wales a home away from home. With endless social events and societies (sports, cultural, arts etc. - you name it!) and everything from beaches and mountains to concerts and nightclubs, there is something for everyone. The cost of living here is quite low so we get to enjoy more for less! If I had the option again to study medicine, Cardiff University would definitely be at the top of my list."

Ritty George  Medicine
About Our Programme

Our MBBCh course emphasises learning with patients, for patients. Your learning will be put into context from your first year, as you will spend time with patients, in clinical settings. As your skills develop, you will see more patients, with more complex conditions, and become more involved in your patients’ care. Clinical placements take place across the whole of Wales, in our teaching and community hospitals plus over 230 general practices and at other community medical centres. Your skills and professional behaviours are developed throughout the curriculum, so that when you graduate you are fully prepared for your Foundation Programme and postgraduate medical training.

Our course structure is as follows:

**Years One and Two (Phase 1) - Core Science and Clinical Practice**
This phase of your studies will focus on core science and how you will apply it to clinical practice.

**Introduction to Science and Health**
At the start of Year One we will introduce you to the core knowledge, skills and behaviour expected of a doctor, to prepare you for the challenging and exciting programme of study ahead.

- Your first 12 weeks cover the basics of anatomy, biochemistry, physiology, cell and molecular biology, immunology, microbiology and pathology. You will also begin to develop the fundamental communication, clinical skills and professionalism required of a doctor
- Our course is designed with an emphasis on small group sessions supported by lectures, laboratory work and sessions in the Anatomy Centre to back these up.

**Clinical Scenarios**
The remainder of Years One and Two is based on a series of clinical scenarios linking the basic sciences to common clinical conditions such as heart disease, diabetes, hypertension and obesity.

- You will learn to address medical problems from first principles and develop your scientific reasoning skills
- Small group sessions will be supported by interactive lectures, access to life science and clinical skills resources
- Ethics and Personal Development, Professionalism and patient contact are all linked to the cases you are working on
- To give you real experience of such cases, you will spend sessions most weeks seeing patients with similar conditions in local hospitals, general practices and other community-based services around South East Wales

**Years Three and Four (Phase 2) - Learning to Care**
During these two years you will increase your understanding of the healthcare system and patient ‘pathways’, with much of your time now spent on clinical placements.

- Over the two years there are six eight-week placements across Wales to give you numerous clinical learning experiences and valuable exposure to life as a frontline doctor
- Your Year Three clinical placements include acute (‘Hospital Front Door’), looking after people with chronic conditions such as diabetes, plus an Oncology placement where you will learn about care and treatment for patients with cancer
- In your fourth year, you will concentrate on increasingly specialist and complex cases. You will still focus on Chronic Disease, with particular emphasis on the elderly patient, but also explore the specific medical needs of Children, Women and the Family plus Clinical Neuroscience, Ophthalmology and Psychological Medicine patients

**Clinical Neuroscience, Ophthalmology and Psychological Medicine**

- Working as part of a clinical team, you will have your share of on-call duties, learn the essentials of excellent clinical care, become proficient at clinical assessment and become increasingly competent in the investigation, management and treatment of common disease
- In between placements you’ll learn the fundamentals of good medical practice and the science you’ll need as a competent medic. You’ll also have expert teaching on pathology, therapeutics, social sciences and ethics.

You will learn to address medical problems from first principles and develop your scientific reasoning skills

**Year Five - Consolidated Preparation for Practice**
Your final year brings together all of the elements of your course and blends your existing knowledge and skills with those required for your first year as a doctor, in order to prepare you fully for life after graduation.

- During your final year you will integrate within clinical teams and have increasing responsibility for patient care
- This year you will focus on the assessment and management of acute and chronic clinical presentations, with increasing responsibility throughout the year
- There are two eight-week clinical placements, one hospital-based and the other community (general practice)-based, where you will be expected to contribute to patient care, under supervision, within multi-disciplinary teams (junior doctors, consultants, GPs, nurses etc.)
- Your learning will be predominantly in the workplace, with sessions in simulation and small group sessions, designed to refine your clinical thinking and decision-making
- Your placements will be followed by an elective at a destination of your choice, anywhere in the world, in order to study aspects of medicine that capture your imagination

- You will also have four 1-2-week core learning blocks that will address important aspects of your transition into Foundation. Based in Cardiff, each block has a different theme (‘Preparing for Practice’, ‘Changing Practice’, Pre-Elective and ‘Science and Practice’) and will provide you with a better understanding of what to expect when you start work as a Foundation doctor, including team-working, leadership, service improvement, patient safety and professionalism
- The year will culminate in the Senior Student Assistantship, allowing you to really work as part of the clinical team. You will be
Your skills and professional behaviour are developed throughout the curriculum

... encouraged to directly manage patients, under the supervision of the hospital teams. This will take place in the hospital where you will undertake your first Foundation (F1) job, if it is in Wales.

**Tailoring Your Studies**

Within our programmes we offer a range of opportunities to tailor your learning and study specific areas of medicine in depth. These include:

**Student Selected Components (SSCs)**

SSCs within the MBBCh programme provide opportunities for you to explore areas of medicine that are of particular interest to you. You can choose your specialty, location and tutor in order to design a bespoke project, meaning that you undertake study tailored to your individual aims and objectives.

**Opportunities to Study Abroad**

**Elective**

In your fifth year of study, you can apply for a placement in the UK or internationally. Your elective is part of the SSC (Student Selected Components) programme, and is designed to develop your knowledge, skills and attitudes beyond core learning. You choose the country, the institution, the specialty and your tutor. Spend some time in a modern hospital in Australia or experience the difficult medical conditions in Ethiopia ... it’s your call.

**Erasmus**

We encourage you to study abroad as part of your degree. Some Year Four students currently take advantage of Erasmus partnerships we have with medical schools across Europe for up to three months of their course.

**Intercalate**

An intercalated degree enables you to focus on an area of medicine that interests you and will earn you a BSc. Our popular Modular Medical Intercalated Programme is designed to enhance your life-long learning skills, aid you in developing research-based practice and facilitate your career development, especially if you have an interest in medical research.

Each year, approximately 90-100 medical students are accepted on an additional ‘intercalating’ year, studying in a programme of international academic standard. Altogether we offer 15 courses. You may have the option to transfer to other universities in the UK to undertake an intercalated degree.

**Assessment**

Our assessments are designed to be appropriate, realistic, fair, valid and reliable. Our assessment programme lets us, and you, see how you are progressing and helps us to identify any students who begin to struggle academically, so that we can put appropriate support into place for them. Formative tests and constructive feedback provide regular opportunities to measure your progress and see how you are doing.

Your assessments will support your learning and we will encourage you to use them as a learning tool. The assessment methods we use are all evidence-based, meaning that they have been tried and tested in other top medical schools around the world. We use a broad range of methodologies to allow for the diverse academic strengths and different approaches to learning that students will have within a year group; these include written multiple choice-like questions, coursework and projects, clinical examinations and workplace-based tests.

Where possible, your clinical examinations will use real patients with real clinical problems. We also use Workplace-Based Assessment to assess your clinical skills and clinical performance, e.g., through portfolios and clinical logbooks that demonstrate your professionalism and your reflective learning.

**Information for applicants**

At the end of the undergraduate course you will receive your MBBCh (or equivalent) degree, which is a primary medical qualification (PMQ). Holding a PMQ entitles you to provisional registration with the General Medical Council, subject only to its acceptance that there are no Fitness to Practise concerns that need consideration.

Provisional registration is time limited to a maximum of three years and 30 days (1125 days in total). After this time period your provisional registration will normally expire.

Provisionally registered doctors can only practise in approved Foundation Year One posts: the law does not allow provisionally registered doctors to undertake any other type of work. To obtain a Foundation Year One post you will need to apply during the final year of your undergraduate course through the UK Foundation Programme Office selection scheme, which allocates these posts to graduates on a competitive basis. So far, all suitably qualified UK graduates have found a place on the Foundation Year One programme, but this cannot be guaranteed, for instance if there were to be an increased number of competitive applications from non-UK graduates.

Successful completion of the Foundation Year One programme is normally achieved within 12 months and is marked by the award of a Certificate of Experience. You will then be eligible to apply for full registration with the General Medical Council. You need full registration with a licence to practise for unsupervised medical practice in the NHS or private practice in the UK.

Although this information is currently correct, students need to be aware that regulations in this area may change from time to time.

There is some discussion about whether to remove provisional registration for newly qualified doctors. If this happens then UK graduates will receive full registration as soon as they have successfully completed an MBBCh (or equivalent) degree. It should be noted that it is very likely that UK graduates will still need to apply for a training programme similar to the current Foundation Programme and that places on this programme may not be guaranteed for every UK graduate.

In addition, the GMC is currently considering whether to introduce a formal assessment that all doctors would need to pass in order to be granted full registration. Although no firm decision has been taken as to whether or when such an exam will be introduced, applicants should be aware that the GMC envisages that future cohorts of medical students will need to pass parts of a new UK Medical Licensing Assessment before the GMC will grant them Registration with a Licence to Practise.
Medical Pharmacology BSc

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 humans. As such, Medical Pharmacology is at the heart of modern medicine. Pharmacology, Therapeutics and Toxicology is based in the 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.

Appropriately qualified students may also be eligible to enter Year One of the Cardiff University four year Medicine (A101) programme, directly after completing their Medical Pharmacology degree.

**Year One**

The first year is studied in common with School of Bioscience students who follow a biomedical degree. Students must therefore complete at least one Science (preferably Biology) or one mathematical subject.

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

**A-level:** AAB to include Chemistry and at least one other Science (preferably Biology) or one mathematical subject.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 34 points (excluding Theory of Knowledge and the Extended Essay). A minimum of 18 points must be achieved in the Higher Level subjects including a 6 in Chemistry and another science.

**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 Maths at grade B or grade 6. See page 153 for information about GCSE equivalencies.

**Subsequent entry to the four-year Graduate Entry Medicine Programme (A101):**

To be considered for entry into Medicine, students must maintain a satisfactory academic performance with an average final module mark of 60% or higher in each year. In Year Two of the BSc degree, students who are eligible to apply for A101 will be expected to take a 20 credit Clinical Anatomy module. A pass in this module will form part of any conditional offers for A101. While in-course, they must also meet the criteria for admission to the A101 scheme with regard to health, registration with the National Disclosure and Barring Service, the GAMSAT, attendance at an interview, a personal statement and provide a satisfactory reference from their Medical Pharmacology Personal Tutor.

**Applications Information**

Typical places: 24

Typical applications: 190

**Find Out More**

Web: www.cardiff.ac.uk/courses
Admissions Enquiries: Tel: (029) 2074 2058
Email: langd@cardiff.ac.uk
Modern Languages

With over 800 students and 60 academic staff, the School offers a friendly, diverse environment. Personal tutors ensure support throughout the degree programme.

84% of our graduates are in employment and/or further study six months after graduating.*

Our Student Language Ambassador scheme offers the opportunity to work in schools across South Wales.

83% of our students were satisfied overall.*

100% of our submitted research rated at least of international standard with 84% classed as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
## Degree Programmes/ UCAS Codes

<table>
<thead>
<tr>
<th>Program</th>
<th>Duration</th>
<th>UCAS Code</th>
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<tbody>
<tr>
<td><strong>Single Honours</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French BA</td>
<td>4 years</td>
<td>R100</td>
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<tr>
<td>German BA</td>
<td>4 years</td>
<td>R200</td>
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<tr>
<td>Italian BA</td>
<td>4 years</td>
<td>R300</td>
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<tr>
<td>Modern Chinese BA</td>
<td>4 years</td>
<td>RC12</td>
</tr>
<tr>
<td>Spanish BA</td>
<td>4 years</td>
<td>R400</td>
</tr>
<tr>
<td>Translation BA</td>
<td>3 years</td>
<td>Q910</td>
</tr>
<tr>
<td>Modern Languages and Translation BA</td>
<td>4 years</td>
<td>76D3</td>
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<tr>
<td>Law and French LLB</td>
<td>4 years</td>
<td>RM11</td>
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<tr>
<td>Law and German LLB</td>
<td>4 years</td>
<td>RM21</td>
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<tr>
<td><strong>Joint Honours BSc</strong></td>
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<tr>
<td>Business Studies and Japanese</td>
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<td>NT12</td>
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<tr>
<td>Portuguese and another language</td>
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<tr>
<td>Any two of the languages taught in the School</td>
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<tr>
<td>French and another Humanities subject</td>
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<td>Spanish and another Humanities subject</td>
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<td>Please see page 146.</td>
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</tbody>
</table>

## Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

**A-level:** BA: ABB  
BSc (combinations with the Business School – see page 53): AAB  
Law and French (page 101): AAA-AAB or AABB-ABBB (to include grade B in French)  
Law and German (page 101): AAA-AAB or AABB-ABBB (to include grade B in German)  

**Joint Honours Schemes:** range from AAB to ABB (please refer to our web pages for specific schemes)

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** Please see our website for details.

**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 requirements** (or equivalent):
Please note that A-Level General Studies, Critical Thinking and Citizenship are excluded. GCSE English Language at grade C or grade 4.  
See page 153 for information about GCSE equivalencies.

**Specific Subjects**
For combinations with the Business School, GCSE Maths at grade B/grade 6 (see page 53).

## Applications Information

Typical places: 140  
Typical applications: 1,300

## Find Out More

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)  
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)  
Admissions Enquiries: Dr Kate Griffiths  
Tel: (029) 2087 4889  
Email: languages-ug-admissions@cardiff.ac.uk  
Facebook.com/cardiffmlang  
@Cardiffmlang

## Careers

Graduates from the School are in high demand in both the public and private sectors, not only for their language capability, but also for their excellent communications skills and intercultural understanding.

Many of our graduates find themselves working in the areas of finance, business consultancy, education, social welfare, health and the media. Many language students pursue careers in interpreting, translation and teaching.

## Cardiff Connected

“I chose to study Spanish because of my love for the language and the prospect of travel and experiencing another culture. I really enjoyed the variety the course had to offer – from grammar lessons and conversation classes to lectures on Latin American cinema and Spanish history. This provided me with the opportunity to develop further a range of skills, including writing, research and critical thinking.

I now work as an Analyst at a venture capital fund investment firm. The experiences I had during my year abroad in Mexico meant that my employer was confident that I would be comfortable with demanding situations such global travel, networking and attending conferences and events and I believe this was one of the key reasons I was hired.”

**Alfie Lavery**  
Former Spanish and Politics student

## The School boasts its own auditorium, two language laboratories and a newly refurbished student common room and exhibition foyer.
Cardiff University boasts one of the largest and most dynamic modern languages centres in the UK.

With an excellent reputation for research and teaching, the School of Modern Languages gives you the opportunity to pursue your interest in languages and cultures in an exciting, interdisciplinary environment.

Proven teaching expertise in French, Chinese, German, Italian, Portuguese, Spanish (with Catalan) and Japanese means that you can gain an in-depth understanding of your chosen language, literature, culture and history. You can also choose our unique degree in Translation, which offers a foundation in two languages as well as essential practical skills. In addition, our Joint Honours degrees provide an opportunity to combine an interest in languages with a number of other subjects including politics, business and law.

Close links with top universities across the world provide diverse options for a year abroad immersed in a foreign culture, and various work placements.

An excellent understanding of languages and cultures is essential in today’s world and our graduates are highly skilled communicators, ideally placed for international careers.

Modern Chinese

Chinese is a global language, spoken by 1.4 billion people worldwide. Due to China’s increasing role in industries such as transportation, banking and telecommunications, Mandarin has become a favoured language among employers who work internationally. Outside China, Chinese is spoken by large communities around the world, from Singapore to London to Vancouver, making it a very desirable language to learn at degree level.

This programme is a unique opportunity to study in Wales’ multicultural capital, Cardiff, and the political, cultural and educational heart of China, Beijing, across the course of four years. You will spend two years abroad in China in your second and third years, fully immersing yourself in all aspects of Chinese life while you study at Beijing Normal University (BNU). In years one and four, you study at Cardiff University. This distinctive programme structure allows you to pursue a dual degree where you receive a BA in Modern Chinese from Cardiff and a BA in Chinese language and culture studies from BNU at the end of your four years.

You do not require any prior experience of Chinese or Mandarin, as your studies will begin at beginner’s level. By the end of the programme, however, your language skills will be at HSK 6, the highest level of language proficiency in China; an attribute crucial for anyone who wishes to live and work in China or for a Chinese organisation.

Modules will also be available in both institutions which cover Chinese history and modern day Chinese culture. They focus strongly on providing students with a greater understanding of modern China, its culture, politics and economics.

Employability is embedded in the course with an integral internship opportunity included in Year Three, where you will spend one day per week on a work placement, or a month teaching English on a BNU run scheme, and will be assessed by evaluation and report.

In the fourth year you will write a dissertation and you will be supported and assisted in your choice of dissertation topic from Year One. To achieve the dual degree, your dissertation topic must be agreed by both institutions.

French

French is a key business language and a global language of culture and diplomacy. French can be studied at Cardiff post A-level or from beginner’s level.

On completion of this four-year programme, you will have near native proficiency in French as well as a critical understanding of key aspects of modern and contemporary French literature, culture, politics and society.

This programme is designed to hone your French language skills to a very high level. Keen to produce graduates fit for a variety of career destinations, our innovative modules incorporate oral, aural, writing and grammatical skills, assessing students’ progress with interesting assignments. We use a range of materials including film, radio, websites as well as interactive learning tools. Our classes are taught in small groups to enhance confidence and active learning.

Language classes are taught in French, allowing you to immerse yourselves in the language. We offer you the possibility to pick specialist modules in Business French, Specialised Technical Translation and other career-facing language modules.

Core language modules are complemented by a range of cultural modules which work to develop an intercultural awareness. Academic staff have expertise in modern and contemporary French culture, politics and economics, modern French and Francophone literature, Francophone Africa, French cinema, television and radio. We have designed our modules to reflect and engage students with that expertise.

The third year of this course offers the opportunity to live in a French-speaking environment. Depending on your degree programme, you can either decide to work as an English Language Assistant through the British Council and teach in French schools, undertake a work placement or attend a Francophone university. Our established exchange programmes provide opportunities to study in institutions in cities which have included Paris, Toulouse, Chambéry, Montpellier and Nantes in France and Brussels in Belgium.

The final year enables you to build upon your Year Abroad and focusses on your employability skills to prepare you for the job market.
German

German is the native language of nearly one hundred million people. To speak German is to be part of a crucially important political, economic and cultural world.

A recent survey by the UK’s leading employers’ organisation, the CBI, rated German as the language most valued by UK managers. Germany is considered to be the lynchpin of the European Union, making knowledge of the language as important in Brussels as in Berlin.

The linguistic skills you acquire will give you direct access to German history, literature, drama, music and film. Your understanding of the language will be further refined during your year abroad, when you will experience life in a German-speaking country.

We offer German for both advanced students and beginners. In your first year, in addition to your language tuition, an introduction to German History and Culture seeks to provide a solid foundation. In subsequent years, the modules we offer reflect our teaching expertise in modern German literature, culture, politics and film. In the final year, you will write a dissertation, which stimulates initiative, and can serve as a useful preparation for postgraduate study.

Italian

With a rich history dating back to the Roman era, Italy has significantly influenced the development of Europe.

At Cardiff University, Italian can be studied either from a beginner or advanced level. This innovative programme offers you the chance not only to learn Italian to a high level of proficiency, but also to explore the culture that has shaped the social landscape of this inspiring country.

During the first and second year, you will acquire an understanding and practical experience in Italian language, grammar and translation. We apply innovative methodologies in our teaching including small group activities and constant discussion, with the support of native Italian teachers and exchange students. Language skills are complemented by courses that explore many aspects of Italian culture including its social structures and institutions, history of art, history, literature and cinema.

One of the most exciting elements of this course is the opportunity to study or work in Italy during the third year. Many students choose to study in some of Italy’s most inspiring cities including Milan, Pavia, Venice, Parma, Pisa, Catania, Verona or Florence and Ferrara. Single Honours students are encouraged to gain teaching experience through the British Council in Italy. A new work placement in Sardinia is now available, subject to availability.

Japanese

Contemporary Japan is founded on a rich and fascinating cultural history that stretches back thousands of years. It remains a major economic power as well as an innovator in the fast-moving automotive and electronic industries.

Cardiff University has a leading British centre for Japanese Studies. Japanese can be studied as part of a Joint Honours degree and can be combined with a variety of subjects including Business Studies and other languages.

By the end of the course, you will be proficient in Japanese language, as well as having an excellent understanding of life and culture in Japan.

During the first and second years, you will focus on building and developing your communicative skills in Japanese, both speaking and in writing.

A number of our staff members are native speakers. You will be taught by them and colleagues, utilising interactive multimedia resources to aid your learning.

You have the opportunity to study in Japan during your third year, to immerse yourself in Japanese culture and language. During this year, you will develop a high level of language skills in order to complete an advanced language course in your final year in Cardiff.

Business Studies and Japanese

Business Studies and Japanese is designed to provide you with a sound knowledge of business, to enable you 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 you take modules from the Business Management degree programme and begin your study of the Japanese language and Japan.

Your year in Japan is spent studying at a Japanese university. By this stage you will have a sufficient command of the spoken language to operate comfortably in Japan and to gain the maximum benefit from your time there. In the final year, you return to Cardiff to continue your business studies and also to augment further your knowledge of Japanese.

Portuguese

Portuguese is one of the most important languages for international business and politics, spoken by more than 260 million people worldwide. According to the British Council, Portuguese is one of the most vital languages for the UK’s future, and it is the official language of nine countries in four continents, and a widely-spoken community language in the UK, the USA, Europe and Australasia. Portuguese is in high demand by employers. On this exciting programme, you will gain linguistic proficiency and in-depth cultural understanding of the Portuguese speaking world that should make you stand out from the crowd.

Whether you start as a complete beginner, or from an advanced level, we will support you to achieve fluency in Portuguese by the end of
your degree. Language teaching is provided by a number of native speakers, supported by the Portuguese government agency, Camões Institute. We also offer a vibrant programme of cultural events to complement your learning.

Language classes are taught in small groups and focus on speaking and listening, reading, writing and translation. We deal with contemporary topics and real-life materials, so you will learn about relevant issues in the Portuguese-speaking world. We also provide a variety of online materials to support your study outside class and develop your fluency.

The language programme is complemented in the first year by an introduction to the history and vibrant contemporary cultures of countries such as Portugal, Brazil, Angola and Mozambique. In the second and final years, we explore topics such as music, film, literature, sports, politics and history of the Portuguese speaking world. Throughout your study, you will gain a broad perspective on diverse contemporary cultures.

As an integral part of the programme, you will study or work in a Portuguese-speaking country during your third year. Many students study in Portugal (Lisbon, Braga, Coimbra), or you can opt for a study or work placement in Brazil or another Portuguese-speaking country. During the year abroad, you should develop linguistic fluency and deepen your understanding of the cultures that you have studied.

Spanish

With around 400 million native speakers in more than 20 countries where Spanish is an official language, Español is one of the three major languages in the world. Speaking Spanish is key to understanding the vibrant Hispanic cultures across the world.

Whether you have an A-Level in Spanish or no experience in the language at all, our Spanish programme caters for different levels of ability. By the end of the course, you will have an excellent understanding of Spanish language including grammar, speaking, listening and translation.

Our teaching staff have expertise in the literature of modern Spain and Latin America, Spanish and Latin American cinema, politics and history in the Hispanic world as well as Catalan language and culture.

During the third year, you have a fantastic opportunity to improve your spoken and written language, immerse yourself in another culture or gain work experience in a Spanish-speaking country. Many choose to study at one of Cardiff University’s partner universities in Spain (Barcelona, Cáceres, Ciudad Real, Granada, Lleida, Santiago de Compostela, Sevilla, Valencia, Vic) or Latin America (Lima, Peru, or Guadajalejar, Mexico). The option to work as a teaching assistant in a Spanish school is also popular with Single Honours students.

Graduates in Spanish find themselves working in a wide range of exciting fields, including international politics or business, consultancy, sales and marketing, the media and publishing, finance, the arts, the Civil Service, teaching, and translating/interpreting.

Translation

Translation (3 years)
Modern Languages and Translation (4 years)

The present socio-economic situation has created an increasing demand for translation skills. Cardiff University offers one of the few specialist translation programmes in the UK, providing an alternative route in the study of language with a focus on employability.

We offer two translation programmes, the BA Translation (3-year, without a year abroad) and the BA Modern Languages and Translation (4-year, with a year abroad). Both programmes allow you to study translation methodologies alongside one or two languages (should you wish), gaining excellent linguistic skills as well as essential expertise in translation of your chosen language(s) into English.

These programmes focus significantly on professional translation skills; combining theory and methodology to give you directly transferable professional skills.

During your final year, you may continue to study two languages but have the opportunity to focus on one language in order to develop further your level of proficiency.

Joint Honours Degree Programmes

Joint Honours degrees provide you with the opportunity to combine your interests in two different areas. Many of our students choose to combine two of the languages taught within the School itself. We also offer a broad range of combinations including Archaeology, English Language, English Literature, History, International Relations, Music, Philosophy, Politics and Religious Studies (please see our website for details). You will be required to complete a year abroad period when language is one of the two subjects selected as part of a Joint Honours programme.

Methods of Teaching

A combination of lectures, seminars, workshops and tutorials make for a stimulating learning environment. All our programmes encourage individual student participation and discussion in small groups. Our language courses are designed to offer effective tuition so that you will have a high level of proficiency in your chosen language by the end of the programme. Interaction with native speakers allows for a more authentic learning experience.

Methods of Assessment

Formal examinations are combined with continuous assessments such as projects, learning portfolios, coursework and class tests, that allow for progressive development of language skills throughout each of the programmes.
Cardiff 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).

**Cardiff has two world-class venues, the Wales Millennium Centre and St David’s Hall.**

98% of our students were satisfied overall.*

93% of our graduates are in employment and/or further study six months after graduating.*

100% of our submitted research rated at least of international standard with 85% classed as “internationally excellent” or “world leading”.*

We have one of the **largest faculties in the country**, totalling 17 full-time academic staff with wide-ranging expertise.

*See page 40 for details of statistical sources.
### Degree Programmes/UCAS Codes

#### Single Honours

<table>
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<th>Program</th>
<th>Code</th>
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<tr>
<td>Music BA</td>
<td>W300</td>
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<td>Music with a Year of Study Abroad BA</td>
<td>G84D</td>
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<tr>
<td>Music with a Year of Study Abroad BMUS</td>
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#### Joint Honours

<table>
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<th>Program</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music and another Humanities subject BA</td>
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</tr>
</tbody>
</table>

Please see page 146

### Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

**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). 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.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 32-36 points, with 6 at Higher Level Music. Consideration will be given to applicants who are not taking Higher Level Music but have grade 8 Theory and grade 8 Practical.

**BTEC:** Extended Diploma DDM.

**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 applicants are expected to have gained or shown evidence of working towards grade 8 in one instrument, or voice, at the time of application.

**GCSE requirements** (or equivalent):
- Maths at grade C or grade 4.
- English Language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

### Applications Information

Typical places: 70  
Typical applications: 350

### Find Out More

**Web:** [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)  
**School Brochure:** [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)  
**Admissions Tutor:** [Dr Carlo Cenciarelli](mailto:Dr Carlo Cenciarelli)  
**Tel:** (029) 2087 0313  
**Admissions Enquiries:** [Laila Khan](mailto:Laila Khan)  
**Tel:** (029) 2087 4392  
**Email:** musicschool@cardiff.ac.uk  
**Facebook:** [Facebook.com/cuschoolmusic](http://Facebook.com/cuschoolmusic)  
**Twitter:** [@cardiffunimusic](http://Twitter: @cardiffunimusic)

**Our in-house Concert Hall, which seats 250,** hosts a series of professional performances across all genres as well as concerts by our student orchestras, choirs, and other ensembles.

### Cardiff Connected

“...The School of Music offers a large and diverse selection of modules, combining both academic study and performance to offer one of the best courses in the UK. I feel very privileged to study under such inspirational lecturers, many of whom are leaders in their chosen field. There are numerous performance opportunities, and the School has some of the most sought-after instrumental and vocal tutors. The School is incredibly friendly, and the support received from peers is invaluable in one’s development as a musician.”

**Will Ellis**
Our undergraduate programmes allow 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.

When you join our musical community, you will be taught by academic and creative researchers, and have practical tuition with professional performers.

Home to the arts, the city of Cardiff is a great 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).

We have a fruitful relationship with both organisations that allows, for instance, students to attend dress rehearsals and buy cut-price tickets for concerts. The city also has two world-class venues, the Wales Millennium Centre and St David’s Hall.

Musical life in the School is well integrated into that of the city. Our in-house Concert Hall, which seats 250, hosts a series of professional performances across all genres as well as concerts by our student orchestras, choirs, and other ensembles.

Our aim is to achieve a healthy mixture of academic, creative and practical studies. Our programmes are flexible and challenging, allowing you to specialise and develop your own musical interests. All programmes include a major element of independent supervised project work, allowing you to undertake your own research with the support and guidance of major authorities in the discipline.

Our bespoke facilities include a concert hall, lecture theatres and seminar rooms, a 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 extensive Music Library 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. We also own a number of orchestral instruments, African percussion instruments, a historical keyboard collection, and a collection of reproduction Baroque and early classical instruments plus a consort of viols, all of which are available for you to use.

Admissions Procedure
Applicants for the Single Honours Music programmes are asked to attend a short audition/interview and participate in a workshop. This takes place between November and March. Note: For additional information on joint honours degrees please see page 146.

Degree Programmes
The programmes we offer allow you to choose how much you would like to concentrate on music as part of your university studies.

The BMus degree programme is the most specialised, you 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. You will have a freer choice of modules, but cannot take the third-year, 30-credit Recital or Composition Project modules. BA Joint Honours students take 60 credits in music modules per year. All the School’s modules are available to you, except for the third year 30-credit Recital and Composition project modules. The permitted subject combinations are detailed on page 146.

Modules in Music
In the first year, we offer core instruction in analysis, harmony and counterpoint, musicology, 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 you select from groups of analytical, stylistic, ethnomusicalogical and historical modules, together with practical musicianship.

Study Abroad
We have links with university music departments across Europe and the USA. In previous years our students have chosen to study with partner institutions in the USA, Czech Republic, Germany, Spain, France, Greece, Italy, Portugal, Finland, Slovenia and Belgium.

Our Year of Study Abroad programmes allow you to complete the first two years of your studies in Cardiff before spending your third year overseas. You will then return to Cardiff to complete the final year of your degree.

Periods of optional study abroad are also open to students on our BMus and BA programmes.

Methods of Teaching and Assessment
You will be taught through a combination of individual tuition, lectures, workshops and seminars, with particular emphasis on group work in the first year and individual teaching in the second and third years. If you take practical modules you will receive a weekly private lesson of 30 minutes on your main instrument or voice. This increases to one hour if you are take the third-year Recital module.

Practical Music-Making
One of the attractive features of studying at Cardiff is the richness and diversity of music making opportunities on offer. The main groups we run are the University Symphony Chorus and University Symphony Orchestra, which regularly perform in the city’s leading venues as well as further afield, as well as a Chamber Choir, Chamber Orchestra, Contemporary Music Group, Jazz Ensemble, Gamelan Ensemble, and Lany, our African music and dance ensemble.

There is also a range of student-run societies including the Palestrina Singers, a Jazz Society, a Brass Band and an Operatic Society.

Much of the repertoire in our public concert series connects directly with our undergraduate programmes, and a range of visiting professional performers frequently hold masterclasses and workshops with students in composition and performance.

More Than Just a Degree
We are committed not just to your academic development but also to your personal and professional development. Employability skills are embedded in modules so that you will learn musical, intellectual, and practical skills that are transferable to other domains, especially the workplace.

Our second-year modules on the Business of Music are designed to help you better understand different branches of the music profession and provide an opportunity to undertake a short placement in a music or arts-related area. Our annual series of talks on Careers in Music offer a great chance to meet professionals active in a range of fields such as performance, music education, music journalism, arts and artist management, production and licensing, and composing for media.
We are the only optometric training department in Wales, and one of the largest in the UK.

100% of our graduates are in employment and/or further study six months after graduating.*

The Eye Clinic is based at the School where world-leading researchers are investigating vision disorders.

The pass rate of our graduates in their Professional Exams is consistently 15-20% above the national average.

96% of our students were satisfied overall.*

100% of our submitted research rated at least of international standard with 94% classed as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours
Optometry BSc
(3 Years) B510
(4 Years) B511

Accreditation
Our degree programmes are approved by the General Optical Council.

Typical Entry Requirements
These typical requirements are for guidance. Please check our website for latest information.

A-level: 3-Year Programme: AAA, two of which would normally be from Mathematics, Physics, Chemistry and Biology. AAB if studying three science subjects.
4-Year Programme: ABB, entry is restricted to applicants who do not meet the requirements for entry to the three year degree programme by virtue of having inappropriate subject combinations.

IB: 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 requirements (or equivalent):
• Maths at grade C or grade 4.
• English Language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

Fitness to Practise: The General Optical Council’s Student Code of Conduct and Fitness to Practise procedures stipulate that students must evidence good character. This will entail an enhanced Disclosure and Barring Service (DBS) check.

Further information can be found at: www.optical.org/en/Investigating_complaints/fitness-to-practise-guidance/

Careers
Job roles
Optometrist, researcher and project manager. Postgraduates also go on to work in industry, academia and for research bodies.

Employers
Universities, various NHS Trusts, independent and multiple optometry practices, plus companies such as Astra Zeneca and Johnson and Johnson.

The School is based in a custom designed building, which is home to all teaching, research and outreach activities. You will benefit from outstanding facilities, which include clinics, laboratories and teaching rooms with the latest state-of-the-art equipment.

Cardiff Connected
“Coming to Cardiff has been a phenomenal chapter in my life. I’m fascinated by vision and Optometry combines my love of Physics, problem solving and working with people. The School is supportive and gets involved with sporting events and our annual ‘Eye Ball’. The building has a network of clinic bays, modern and well-equipped for clinic and research and the £21m building is an energising environment. I look forward to my Pre-Registration placement and becoming a registered Optometrist. I’m a member of Kayaking, Lacrosse, Tennis Society and OPSOC.”

Libby Ainsworth  Optometry
We have an outstanding record of achievement and our teaching provision has been independently assessed as ‘Excellent’ by the General Optical Council (GOC).

We offer both three and four-year degree programmes which lead to the degree of BSc (Hons) in Optometry.

Optometry

One of the main roles of an Optometrist is to test sight and prescribe patients visual correction, which must optically improve vision and at the same time give the visual comfort that is expected. They are also able to dispense spectacle frames and fit lenses, contact lenses and prescribe low vision aids.

Optometrists must also detect diseases that affect the eye and visual system, and are therefore 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 and orisystemic 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 very challenging and 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. Optometrists aim 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.

Optometry (3 years)

The programme is three years full-time. It unites both the scientific and clinical components of the discipline. In the first year, you are taught the basics of the subject and no prior knowledge of the eye and visual system is expected. In the second year, subjects are expanded to prepare you for the patient clinics and ‘front-line’ projects undertaken in the third year. The clinical aspects of the programme are spread over all three years and are designed to be as diverse as possible.

In the final year, direct clinical contact is given in primary care, dispensing contact lenses. This experience is enhanced by visits to ophthalmic and orthoptic hospital departments, where you will encounter ocular disease and the surgical or medical treatment of these conditions first-hand.

A variety of e-learning packages are available and, to ensure effective teaching, staff employ a wide range of teaching methods.

First Year

You study modules in a variety of subjects including, for example: Cells and Systems, Visual Optics, Ocular Anatomy, Dispensing, and Clinical Techniques. 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, you will have clinic and laboratory modules every week that provide the vital ‘hands-on’ experience so important in the development of a clinical professional.

Second Year

During this year, modules build upon the foundations of the first year. The integration of scientific and clinical teaching provides you with a greater understanding of the mechanisms and processes that are taking place in the eye and visual system, and in the understanding and use of instrumentation to assess visual function and health. Clinical teaching develops your skills to a level where you 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 you become more skilled you are introduced to more sophisticated instrumentation. Towards the end of this year, you will examine your first patients.

Third Year

Clinical methods and abilities are developed throughout the year towards full professional level. A high proportion of your week is spent working with patients in the clinics. These clinics provide professional services to the general public in primary, contact lenses, low vision, paediatric and special assessment, and dispensing. Visits to hospital clinics support clinical tuition and supplement the second and third year taught courses in ocular disease.

Modules in binocular vision, legal aspects of the profession and optometric case studies complete the year.

You also undertake a project. This lasts all year and may be laboratory, clinic, or literature based. Ultimately, you must produce a written thesis describing your work. These projects are of a consistently high standard and our 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.

Optometry (4 years)

This has been designed for a small number of students who have the desire and academic ability to study for a degree in Optometry, but who do not necessarily have the suitable academic background. The four year programme consists of a foundation year followed by the three year B5.10 BSc course.

During the foundation year, you will study six modules, which not only give you the necessary scientific knowledge in order to enter the first year of the BSc, but also emphasise the logical thinking and analysis skills necessary to succeed at a science based discipline.

Modules currently include Human Development, Systemic Pathology, Biochemistry for Optometry, Optometric Physics, Introductory Optometry, and Written and Communication Skills.

Teaching is conducted through a combination of lectures, tutorials, workshops and practical sessions and is assessed by coursework throughout the year together with written exams in the summer. Teaching methods rely heavily on class participation and group work together with discussion sessions. You also get the opportunity to gain practical experience of basic clinical skills throughout the year.

General Optical Council (GOC)

Registration/Careers

Optometry students normally obtain their BSc Honours degree after three years of study. It is necessary to obtain a minimum of a lower second class degree in order to progress to the pre-registration year. Due to their relatively high-level of clinical skills, Cardiff graduates are highly sought after by employers and rarely experience difficulty in obtaining pre-registration.

The pre-registration training period is a year of work in a community optometric environment, or in a hospital department under the direct supervision of a qualified Optometrist. The pre-registration Optometrist is required to pass continuous assessments and professional examinations which are run by the College of Optometrists. After passing the professional exams, Optometry graduates can register with the GOC as a qualified Optometrist and begin practice independently.
Pharmacy

There are Welsh medium options available as part of your Pharmacy degree.

To find out more visit: www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

We are based in the historic Redwood Building, named after Theophilus Redwood, one of the most eminent pharmacists of all time.

100% of our graduates are in employment and/or further study six months after graduating.*

Home to the Wales Centre for Pharmacy Professional Education.

93% of our students were satisfied overall.*

In the 2014 Research Excellence Framework, the School was ranked in joint 1st position in the UK.*

*See page 40 for details of statistical sources.
Degree Programmes/
UCAS Codes

Single Honours
Pharmacy MPharm  B230

Accreditation
The programme is accredited by the General Pharmaceutical Council.

Typical Entry Requirements
These typical requirements are for guidance. Please check our website for latest information.

A-level: AAB-ABB including Chemistry and at least one other science subject, preferably Biology, Mathematics or Physics.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 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 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 Disclosure and Barring Service (DBS) check. Students are also required to undertake an Occupational Health assessment.

Further information can be found at:
www.homeoffice.gov.uk/agencies-public-bodies/dbs 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 places: 130
Typical applications: 850

Find Out More
Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Tutor: Dr Alan Cosslett
Tel: (029) 2087 4080
Email: pharmacy-ug@cardiff.ac.uk

Find Out More
Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Tutor: Dr Alan Cosslett
Tel: (029) 2087 4080
Email: pharmacy-ug@cardiff.ac.uk

Careers
Job opportunities and salaries in all areas of pharmacy are relatively good. Towards the end of the degree course, you 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.

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 largescale manufacture of medicines, product registration, and clinical trials or marketing.

Cardiff Connected
“... I wanted to study in Cardiff as I wanted to stay in Wales, but experience things I couldn’t at home in Anglesey! Being able to live in a Welsh-speaking flat in Senghennydd Court and the fact that Y Gym Gym (The Welsh Society) was so active meant that I settled straight away in a close-knit Welsh community. I chose to study Pharmacy as the course includes all the subjects I enjoyed at school. The course is wide ranging and prepares us for a specific career. The standard of teaching is great, and the lecturers are very helpful and the course is structured fairly.”

Anest Jones  Pharmacy
We have an international reputation for our teaching and research and are 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

The Pharmacy profession has made significant progress in recent years; for instance pharmacists can qualify to prescribe medicines independently of a doctor, adding substantially to the established roles of dispensing and advising about prescriptions and the over-the-counter sale of medicines. 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 curriculum 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 learn about the discovery and development of new drugs; about their chemical, physicochemical, pharmacological and toxicological properties; you study the clinical uses of medicines and the role of the pharmacist in relation to other healthcare professions. You 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 our 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. The programme is modular and credit-based. You will 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 a sound knowledge and understanding of the pharmaceutical sciences and necessary professional skills, enabling you to proceed confidently with pre-registration pharmacy training
- To offer experience of working closely with pharmacy practitioners and other healthcare practitioners within practice placements in all four years of the course
- To produce graduates who are well-fitted for career opportunities in hospital, community, primary care, industrial and academic pharmacy.

Year One: This is designed to give you a foundation in the scientific and information handling aspects of pharmacy. You explore the ‘healthy human’ and their environment complemented by an early ‘hands-on’ introduction to the practice of pharmacy and the role of the pharmacist.

Year Two: You extend your knowledge in pharmaceutical chemistry, formulation of medicines and therapeutics. In professional pharmacy there is an emphasis on the dispensing of prescriptions.

Year Three: Clinical aspects of pharmacy are developed together with formulation science and pharmaceutical analysis. Year Three therapeutics focuses on challenging patient disease states such as neurodegenerative disease and cancer. You will gain generic research skills in literature evaluation, statistical analysis and research presentation.

Year Four: During semester one you will focus primarily on your individual substantive research project. The project may be based within the School or another UK or overseas academic department, or in a community, hospital or industrial setting. In semester two there is intensive preparation for entry into professional practice. You will apply the knowledge and skills you have acquired in both pharmaceutical science and professional pharmacy to a range of complex pharmaceutical problems. These problems will focus on you taking responsibility, dealing with complexity and managing change.

Admissions Procedures

Applicants, selected on their qualifications, academic reference and personal statement, are invited to visit us. During the visit, applicants are encouraged by interview, to demonstrate a number of non-academic commitments and skills, such as commitment to, and a basic understanding of, pharmacy. You will also be required to sit a numeracy test. There are opportunities to ask staff and students about the School and life in Cardiff.

Methods of Teaching and Assessment

You will benefit from a modern learning environment and practical experience of working with patients and the public and pharmacists, pharmacy staff and other healthcare professionals. Work-based placements are an integral element of the programme, gaining experience in a range of settings, including hospital and community pharmacies and other social settings, and the pharmaceutical industry. Formal lectures and laboratory-based classes are supplemented by eLearning, video demonstrations and case-based workshops. Together, these activities ensure you develop a culture of professionalism and a commitment to lifelong learning.

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.

You 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. You would graduate and qualify as a pharmacist at the same time. For information about developments see our website.

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 UK and the EU; it is recognised in many other countries around the world.

Postgraduate Study

We offer specialist programmes in Clinical Pharmacy, Clinical Research, Community and Primary Care Pharmacy, and Prescribing. Opportunities also exist for students to work towards MPhil/PhD research degrees.

The School also offers a full-time MSc in Cancer Biology and Therapeutics which is open to graduates with a first degree in the biological sciences or a healthcare discipline.

Use of Living Organisms in Undergraduate Teaching

Please see page 151.
Physics and Astronomy

Our Institute of Physics accredited degree programmes include specialised topics which reflect our research interests.

| 82% | of our graduates are in employment and/or further study six months after graduating.* |
| 96% | of our students were satisfied overall.* |
| 99% | of our research was rated as “internationally excellent” or “world leading”.* |

We have one of the largest UK communities of Astrophysicists and Condensed Matter Physicists.

In the 2016 National Student Survey, we were one of the highest scoring Physics Schools in the UK.

*See page 40 for details of statistical sources.
Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

**A-level:** All courses AAA-ABB which must include Maths and Physics.
We do not accept General Studies or Critical Thinking. Mathematics and Physics requires an A grade in Mathematics.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 32-34 points, with 6 in Higher Level Physics and Mathematics.

**Other:** Applications from students offering alternative equivalent qualifications or relevant work experience are welcome. Please contact us for more information as each case is assessed individually.

**Other Requirements**

**AS:** AS-levels are not sufficient for admission to the BSc/MPhys programmes.

**GCSE requirements** (or equivalent): English Language at grade C or grade 4 or IELTS 6.5 (overall) with a minimum of 5.5 in each sub-group, for non-native English speakers.
See page 153 for information about GCSE equivalencies.

Applications Information

Typical places: 120
Typical applications: 650

Find Out More

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Admissions Tutor: Dr Chris North
Tel: (029) 2087 0537 / 6457
Email: physics-ug@cardiff.ac.uk

Facebook.com/cardiffschoolofphysics
@cardiffPHYSX

Careers

**Job roles**
Research scientist, teaching, medical physics, banking, intellectual property, operational research, accountancy, airline pilot, government intelligence services, IT, police, armed forces, power distribution, and roles from R&D to management in industries such as nuclear power, optoelectronics, automotive, aerospace, utilities and computer games.

**Employers**
UK and international universities plus organisations such as Rolls Royce, Bank of England, and EDF Energy.

Our undergraduate facilities are of a very high standard, and are undergoing further upgrading as part of a University-wide infrastructure programme. A dedicated mathematical science library, additional computing facilities, a restaurant and a student common room are located in the adjacent Trevithick building. We are also located very close to the city centre and to student accommodation.

Cardiff Connected

“As degrees go it’s intense; I’ve taken Mathematics further than I ever thought possible, solved the most fundamental equations known to man and learnt about the smallest and largest objects in existence. The staff and students are friendly, approachable and so dedicated to education and science it creates an inclusive atmosphere for learning and research.”

Eve North  MPhys Graduate
Physics is the most fundamental of the sciences. It is concerned with understanding the laws of nature and applying this knowledge to unlock the secrets of the Universe, understanding the world around us and generating new technologies.

A physics-based degree 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.

Our Institute of Physics accredited degree programmes have been devised to convey the excitement of physics and astronomy, 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.

Physics and Astrophysics are our 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 degree intended primarily for students who wish to enter research or become professional physicists.

All of our degree programmes include core physics and mathematics modules which form the basis of a physics education. The range of programmes on offer provides an opportunity to pursue a supplementary topic in more depth, such as astronomy, computational physics or medical physics. There is also a Joint Honours degree programme which allows physics to be combined with mathematics.

Teaching methods include lectures, tutorials, and problem-solving classes. Assessment is a combination of exams and coursework, with a combination of written, typed and internet-based assessment.

There are currently 16-18 hours of formal teaching per week, with about the same again expected of students for coursework and self-motivation teaching.

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 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 we are approachable and helpful.

In the final year, you will 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

We realise that it is not easy to commit yourself to a particular degree programme up to a year before entering university. We therefore offer 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 your first year coursework will be returned to you with feedback within a week of submission. Much of this will happen through your academic tutor, allowing us and you to keep track of your progress in a timely manner.

Computer programming is introduced in the first year, and is taught through dedicated modules and integrated into teaching throughout the degree. We have extensive PC facilities connected to the University network, and Wi-Fi throughout the building for laptops and other devices. Students are introduced to the relevant software for word-processing, data-analysis and web-based research.

Outside of timetabled sessions, the computing facilities are available to undergraduates.

Physics

Physics is a mainstream, traditional academic programme, 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 computer software.
Project-type experiments are introduced at the end of the second year, in preparation for the final year project, which 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 our activities, and you may also design your own project. 

**Astrophysics**

We have a large number of academic staff who are active in most aspects of Astronomy and Astrophysics research, providing courses of the very highest calibre. You take courses both on astrophysical topics and on core physics and mathematics. The aim is to give you a thorough grounding in physical principles, mathematical methods, computing, and observational techniques. You 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 undertake 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 a mixture of optional modules from both physics and astrophysics. Assignments and supervised projects use astronomical data from observatories around the world and in space, and use extensive image-processing and data reduction software and techniques. You are then equally well prepared for careers in observational astronomy, industry, commerce or teaching.

**Physics with Medical Physics**

This 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 special emphasis on the underlying physical and mathematical principles. Practical work includes a major project in the final year, which is undertaken at the University Hospital of Wales. The course equips you 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.

**Theoretical and Computational Physics**

This programme 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 mathematical and statistical methods, numerical techniques and computer programming, as well as assignments and supervised research projects designed to give you practice in applying these skills to a variety of problems. Subsequent career opportunities are numerous and rewarding in this burgeoning field.

**Professional Placement**

We offer a variety of Professional Placement schemes. You may opt for a placement in industry or in a wide array of other sectors. This practical experience ensures a more attractive CV, while allowing you to engage in real-world work environments, using your knowledge to full effect.

**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 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 School of Mathematics is given on page 103.

**MPhys**

We offer MPhys degrees in Physics, Astrophysics and Physics with Astronomy. These undergraduate programmes are of four years’ duration (or five years with a placement) and are natural extensions to three-year degrees, allowing subjects to be pursued in greater depth. The fourth year involves independent major project work in which you would be expected to undertake novel research.

**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 your first and second years, you can take a free standing module (if your particular degree programme allows). This module can be chosen from a large number provided by other academic schools in the University. For instance, you may choose to study a language at beginner, intermediate or advanced level, begin a course in Music or opt for a module in Business and Law.

**Postgraduate Study**

We have thriving research groups and a large number of students studying for a PhD or MSc. The main research groups are condensed matter and photonics, astronomy and astrophysics, gravitational wave physics, compound semiconductors and brain imaging. We offer research-led MSc programmes in Physics and Astrophysics, which build upon a first degree and can lead to a number of graduate opportunities.
Politics and International Relations

Politics and International Relations is an exciting and varied subject which addresses a range of questions that are critical to our contemporary world.

93% of our graduates are in employment and/or further study six months after graduating.*

92% of our students were satisfied overall.*

95% of our submitted research rated at least of international standard with 81% classed as “internationally excellent” or “world leading”.*

We have links with the Welsh Government, Westminster, G7 and NATO, NGOs, policy-makers and journalists.

There are opportunities to study part of your Politics degree through the medium of Welsh.
To find out more visit: www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

*See page 40 for details of statistical sources.
Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

**A-level:**
- **Politics:** AAB
- **International Relations:** AAB
- **International Relations and Politics:** AAB
- **International Relations and Politics (with a language):** AAB
- **Politics, Diploma in Etudes Politiques (Joint Cardiff/Bordeaux scheme):** ABB, to include grade A in French, plus interview.
- **Politics and Philosophy:** ABB
- **Politics and Modern History:** AAB, to include History.
- **Politics and Economics:** AAB plus GCSE Mathematics at grade B/grade 6 and GCSE English Language at grade C/grade 4 if not offered at AS or A-level.
- Critical thinking, Citizenship or General Studies are not accepted.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 34-35 points

**All degrees**
- **GCSE requirements** (or equivalent):
  - English Language at grade C or grade 4.
  - See page 153 for information about GCSE equivalencies.

Applications Information

Typical places: 280   Typical applications: 795

Find Out More

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Tel: (029) 2087 4588
Email: lawpladmissions@cardiff.ac.uk

The School is enviably located on the main university campus in central Cardiff, where you benefit from a range of excellent facilities. Computer rooms and cutting-edge e-learning equipment enhance the learning process and library collections provide students with access to thousands of books and publications.

CardiffConnected

“Studying Politics and Philosophy at Cardiff University has provided me with the opportunity to learn about a wide range of topics. This year I have had lectures on Africa in International Thought in one hour and the Philosophy of Modern Art in the next. I have found that both Politics and Philosophy are well suited for a joint honours degree and would recommend this combination to anyone who is interested in either area. I was impressed to find that the Politics department were so accommodating when it came to choosing my dissertation topic. I was allocated a tutor that I have found inspiring and enthusiastic about my subject. I have loved my time at Cardiff and feel that my course has shaped both what I hope to do after my degree and most importantly who I am as a person.”

**Lydia Ellis**  Politics and Philosophy
Founded on world-class research and an international reputation for excellence, our degree programmes are both challenging and inspirational.

A familiarity with the central concerns of Politics and International Relations is essential to any serious understanding of our dynamic and integrated world.

We offer a range of degree programmes for those with an interest in Politics and International Relations. You can choose to study one of our three Single Honours degrees, or combine the study of Politics and International Relations with other subjects in the social sciences and humanities, including languages, on our Joint Honours programmes. In addition, we offer the Cardiff-Bordeaux Joint degree scheme, a unique and innovative collaborative programme taught with the internationally-renowned Institut d'Etudes Politiques, Sciences Po, in Bordeaux.

Our research and teaching expertise includes political theory, public policy, the politics of devolution, environmental politics, Cold War history, nuclear politics, global governance, feminist theory, postcolonial politics, political economy, cyber security, critical military studies. Studying politics at Cardiff provides the essential skills for an exciting career in fields such as journalism, local government, management, teaching, publishing, law, policy research and education.

With a fantastic central location you will benefit from a range of excellent facilities. Computer rooms and cutting-edge e-learning equipment enhance the learning process and library collections provide students with access to thousands of books and publications.

Politics

The field of politics allows you to explore how parliaments and governments function, and to evaluate political ideas such as power, freedom, democracy, conflict, legitimacy or accountability.

Our programmes offer you the opportunity to gain an in-depth understanding of the field, as well as choosing from a range of optional modules depending on your interests.

During the first year of your course, compulsory modules examine the foundations of Western political thought, modern political analysis, globalisation and international relations and European integration.

The second and third year allow you to deepen your understanding of politics, political theory and ideas, in order to sharpen your insight into what motivates actors within the political sphere. Major themes such as political analysis and policymaking are examined together with topical questions such as devolution and the British party system. Study abroad options are also available for those wishing to experience new cultures.

We also offer expertise in the field of parliament and governance, having been selected by Westminster to teach in conjunction with the Houses of Parliament. We also offer a module that enables you to undertake a placement in an organisation that plays a key role in Welsh governance.

International Relations

Our new degree in International Relations offers you the opportunity to focus on global politics. We have recently appointed 17 new members of staff who all specialise in International Relations and will be offering an array of exciting new modules in the 2017-18 academic year and beyond.

The discipline of International Relations has long been concerned with the relations between states and the causes of war, but has grown recently into a multifaceted field which addresses a wide range of questions critical to our contemporary global world. These range from topics such as war, security and terrorism, nuclear politics, and international history, to digital technologies and cyber-security, global environmental politics and climate change.

This Single Honours degree programme aims to provide you with the opportunity to study this exciting and important subject in its depth and breadth. The degree aims to cover both traditional and new areas of the discipline in a manner informed by current scholarly debates, and global political concerns and developments. You will gain a solid grounding in core International Relations theories and perspectives, and the historical development of the international system. This will provide the theoretical and historical foundation for more advanced study of a rich range of topics at second and third year. You will be taught by academics who are leading researchers in their fields, exposed to research-led teaching in areas across the breadth of the discipline.

International Relations and Politics

Can’t decide whether to take International Relations or Politics? Our combined degree provides you with the opportunity to focus on both sub-fields, and to explore the integrations and connections between the domestic and the international. You will investigate broader conceptual and theoretical questions that relate to politics at home and abroad, and compare the methodologies of political science and ‘IR.’

In the final year, you have the opportunity to complete a dissertation in a topic of your choice within the field, which is a fantastic opportunity for independent research and specialisation.

Joint Cardiff-Bordeaux Degree Relations Programme

This innovative programme is a venture between Cardiff University and one of the leading institutes of Political Studies in France.

The unique course offers you the opportunity to study in the UK and France, and gain a degree from Cardiff and a Diploma (equivalent to degree level) from the Institut d’Etudes Politique in Bordeaux. You will spend Years One and Three in Cardiff and Years Two and Four in Bordeaux.

Cardiff University has an excellent reputation as a centre for the study of Politics and the joint Cardiff-Bordeaux programme builds on our established modules in politics, by complementing the knowledge gained with world-class teaching and research at the Institut d’Etudes Politiques, Sciences Po.
Psychology

We have one of the largest and most successful Schools of its type in the UK.

92% of our graduates are in employment and/or further study six months after graduating.*

Both our courses are accredited by the British Psychological Society.

The quality and relevance of our research has been recognised in every Research Assessment Exercise and our high quality teaching is research-led.

94% of our students were satisfied overall.*

100% of our submitted research rated at least of international standard with 92% classed as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

Single Honours
Psychology BSc (3 years) C800
Psychology with Professional Placement BSc (4 years) C810

Typical Entry Requirements
These typical requirements are for guidance. Please check our website for latest information.

**A-level:** A*AA including at least one science subject* (C810). AAA including at least one science subject* (C800).

* Psychology and Geography can be included as science subjects. General Studies is not acceptable at A-level.

**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 36 points overall, with a minimum of 18 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 requirements** (or equivalent):
- Maths or Statistics at grade B or grade 6.
- English Language or Welsh (as applicable) at grade B or grade 6.

See page 153 for information about GCSE equivalencies.

Applications Information
Typical places: 200  Typical applications: 1,200

Find Out More
Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Admissions Tutors: Professor Marc Buehner, Dr Lewis Bott, Dr Christoph Teufel
Tel: (029) 2087 6707
Email: psychology-ug@cardiff.ac.uk

We have excellent teaching and research facilities. There are three lecture theatres within the School, a computing suite with over 150 PCs, more than 15 seminar rooms for small group teaching, and over 80 research laboratories. We have over 200 PCs on-site, dedicated for use by students. We have also developed an interactive work-space solely for our undergraduates which contains multimedia projectors, PC booths and Wi-Fi. These physical resources are accompanied by excellent online material.

Careers
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 of our programmes meet this requirement.

**Job roles**
Psychology consultant, counsellor, educational psychologist, occupational psychologist, special needs assistant, recruitment consultant and business support manager.

Employers
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.
Psychologists investigate why we do things, how we do them and how we relate to others. Psychology has a wide range of applications in industry and commerce, in education and in health and social services.

Our Courses

We offer a three-year degree in Psychology and a four-year degree in Psychology with Professional Placement. The four-year degree provides a unique opportunity to gain supervised work experience for a year. A special feature of the School is that aspects of Applied Psychology are included as an integral part of our courses.

We welcome students with both arts and science backgrounds, but we require that all our applicants have studied at least one science at A-level (Geography and Psychology are included as science subjects).

In your first year you will be assigned a personal tutor, who will be responsible for overseeing your academic and personal development for the duration of your course.

You will work in small tutorial groups, as well as attending more formal lectures, and have the chance to learn through regular practical sessions, such as interviewing, survey work, psychometric testing, experimental skills and IT. There are frequent visits from leading British and overseas psychologists.

Opportunities to undertake research projects are also available in schools, industrial settings and in hospitals. You are encouraged to develop your own areas of interest through a supervised project and final-year option modules which will help you to find employment or further professional training.

The School of Psychology Research Internship Programme (SPRInt) provides the opportunity for you to take part in paid, cutting-edge research projects over the summer vacation following your second year.

First and Second Year

**Level 4** 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: 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.

‘Current topics in Psychological Research’ will introduce the principles of research design.

**Level 5** covers the next three semesters of the course. It places particular emphasis on critical thinking, as well as the ability to interpret and integrate research findings and psychological theories. You will study nine modules, each of which focuses on a particular area including developmental, cognitive, biological, abnormal, social, and perceptual psychology. Training in research design, statistics and computing continues during Level 5.

Professional Placement (Four-year Degree)

The four-year Psychology with Professional Placement programme involves a year between your second and final year where you can spend time in a professional setting. There are 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 and makes you more competitive when applying for jobs or further courses of study. Placement positions are mainly chosen from opportunities that we provide, but you can also find your own placement with the approval of the School.

Please note that 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

You choose from a range of modules 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.

Examples 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 undertake an empirical investigation. Your research project is supervised by a member of staff who has expertise in the area that your project covers.

Assessment

There is a combination of coursework and unseen examinations. Prizes are awarded to the best performing students.

Study Abroad Opportunities

We work with Hong Kong University, one of the world’s highest ranking universities, to offer you the opportunity to study Psychology while immersing yourself in a completely different culture. Students participating in the HKU exchange, study their first semester in the second year in Hong Kong, taking courses that match the content offered in Cardiff (tuition and examination is in English). There are no additional fees to pay, and the exchange is supported by a bursary to cover travel costs.

You also have the opportunity to go abroad in your placements (see Psychology with Professional Placement).

Cardiff Connected

“My experience at Cardiff has been astounding in terms of nurturing my enthusiasm for the subject and helping develop a wide range of transferable skills. I chose Cardiff because of the placement year, which has been invaluable, further solidifying my desire to pursue a career within psychology. Thanks to a combination of the course, the Students’ Union and the university itself, I feel supported in whatever ambition I choose to pursue. The city of Cardiff is such a friendly and vibrant place, I know that I will always feel at home whenever I return.”

Hannah Chandler  BSc Psychology with a Professional Placement
Social Sciences

Many of our programmes can be extended to four years with a third year spent on a **professional placement**.

**89%** of our graduates are in employment and/or further study six months after graduating.*

There are opportunities to take part of your Education degree through the medium of Welsh. To find out more visit: [www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

**90%** of our students were satisfied overall.*

Our research has been recognised as being **internationally excellent** having a direct **impact** on policy and practice.

Our research in Education and Sociology was ranked **5th** and **3rd** in the UK respectively in the 2014 UK Research Excellence Framework assessment.*

*See page 40 for details of statistical sources.*
Degree Programmes/ UCAS Codes

Single Honours

Criminology BSc  L370
Education BSc*   X300
Human and Social Sciences BSc*  58H2
Social Science BSc*  L301
Sociology BSc*  L300
Social Analytics BSc*  J3G5

Integrated Honours

Law and Criminology LLB  M190
Sociology and Law LLB  ML13

Joint Honours

Criminology and Sociology BSc*  LM39
Criminology and Social Policy BSc*  ML94
Education and Sociology BScEcon  LX33
Education and Welsh BA  QX33
Politics and Sociology BScEcon  LL32
Sociology and History BA  LV31
Sociology, Journalism and Media BA  LP35
Social Policy and Sociology BSc*  LL34

* Students on these programmes can choose to extend their studies to four years with the third year spent on a professional placement.

Typical Entry Requirements

These typical requirements are for guidance. Please check our website for latest information.

A-level: AAB-BBB: General Studies excluded.

WBA: The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

IB: 32-35 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.

Applications Information

Typical places: 330  Typical applications: 1,600

Find Out More

Web: www.cardiff.ac.uk/courses
School Brochure: www.cardiff.ac.uk/pubs/ug
Admissions Tutors: If you wish to discuss your application with an admissions tutor please contact us.
Tel: (029) 2087 6217
Email: socsiug@cardiff.ac.uk
Facebook.com/CardiffSocsi  @CUSocSci

Our home, the Glamorgan Building, is architecturally spectacular and also a popular filming location for BBC series. The Glamorgan Building houses teaching and learning facilities to support your studies, including a student support hub, ICT suites, lecture theatres, tutorial rooms and a coffee shop.

Cardiff Connected

“Studying BSc Social Analytics was the best decision I ever made! The guaranteed work placement in my second year was something I was particularly drawn to, as I thought that this would aid my future career considerably. The teaching staff are very supportive and my favourite first year module - Lies, Damn Lies and Statistics - taught me a lot of skills that I can transfer into my later studies and future career. This course has reignited my passion for learning and studying. I even want to apply for a PhD - something I never thought I would do. I would highly recommend this course to students that want the freedom to choose a mix of social science subjects while also gaining specific analytical skills that are valued by employers. I can't wait to start my second year!”

Jodie Luker  BSc Social Analytics

Careers

Career destinations for our students include the police service, probation service, social work, welfare and housing services, youth work, teaching, community development, counselling and advocacy work, administration and human resource management. Many of our graduates also find work in the private sector, including finance and marketing, tourism, retail, journalism, advertising, and public relations. Around a quarter of our students go on to postgraduate study.
In the School of Social Sciences, we study how society shapes the way people behave and experience the world, explored through a range of degree programmes that emphasise different aspects of social life and the institutions they rely on.

Our teaching is informed and underpinned by research into the problems and challenges of modern society. Many of our staff act as advisers to international organisations, Westminster and European parliaments, and the Welsh Government, as well as to public and private sector organisations. Our students learn from scholars who are contributing to policy debates at international, national and local levels.

Social Sciences at Cardiff

We are a large, interdisciplinary social science centre offering expertise in the fields of sociology, research methods, educational studies, social policy, social analytics, criminology, and psychology.

Degree Programmes

Our programmes are designed to teach the foundations of their respective disciplines alongside the theoretical and methodological principles that underpin the social sciences. We offer single honours degree programmes in criminology, education, sociology, social science, social analytics, and human and social sciences. Our flexible Joint Honours programmes allow you to combine several of these subjects, plus social policy, with complementary subjects in the humanities and social sciences. LLB programmes are also available for applicants interested in studying law.

Our programmes are built around a set of core modules that include both methodological training and substantive topics. Our study skills and inquiry-based modules enable you to apply the knowledge gained during your studies and develop important transferable skills. On many of our programmes you will have the opportunity to take a placement-based module and/or extend your study to four years with the third year spent on a professional placement.

Social Science

This degree with Social Science explores cross-cutting themes such as ethnicity, gender and inequality. It allows you to study across the social science spectrum – criminology, education, psychology, sociology, social policy, social analytics – and think outside of conventional disciplinary boundaries.

Organising your studies thematically allows you to study the same topic from a number of different perspectives and gain a more holistic understanding of complex social phenomena. You can choose modules that enable you to study a particular topic in depth or spread your studies across the spectrum of modules offered. Topics reflect current research strengths and have recently included: crime and security, critical psychology, educational policy, misuse of data in the media, European governance and policy, identity and subjectivity, gender and sexuality, health and medicine, and work and employment.

You have the opportunity to study a work placement module in Year Two and complete a dissertation in Year Three. You may also extend your studies to four years and spend your third year on a professional placement. Advice is provided on what combination of modules to take.

By studying across disciplines, you will become a social scientist with knowledge of a range of perspectives and an understanding of how they can work together.

Criminology

Criminology focuses on both processes of criminalisation and victimisation and responses to crime and disorder. It investigates how behaviours are defined as ‘criminal’ or ‘anti-social’, how victims are affected by their experiences, and how societies deal with new types of crime. During the course of your degree, you will learn about the different approaches to criminological research and the different approaches to criminal justice they illuminate.

Our programme examines problems of crime, justice and crime control and shows how social science research can be applied to ‘real world’ issues and debates. It is taught by criminologists with strong links to local police, probation and criminal justice services.

Education

This degree explores and questions the social, psychological, political and economic foundations of education and enables you to investigate the evidence-base that informs education policy and practice.

Your study is underpinned by our research in this field and the latest developments in policy and practice, encompassing aspects of culture and identity, childhood and youth, gender and ethnicity, and social justice and inclusion.

You will focus on local, regional, national, global and comparative contexts of education, and this will be underscored by our close links with policy makers, local schools, colleges, and other education and training organisations.

This degree provides an excellent basis for those interested in postgraduate teacher training, as well as employment in other professions including social care, youth and community work, local government, careers guidance, and education and policy research.

Human and Social Sciences

A unique opportunity to combine psychology with another social science discipline of your choice, this degree is recognised by the British Psychological Society (BPS) as the basis for graduate membership – the starting point for a career in psychology. Graduates awarded 2:2 or higher, and who have passed their dissertation, will be eligible to apply for the Graduate Basis for Chartered Membership (GBC) membership of the BPS. Please note: Study abroad is not available under the BPS-accredited pathway, but you may also extend your studies to four years and spend your third year on a professional placement.

This programme builds up a range of skills and knowledge on issues such as social change, gender, class and ethnicity, whilst developing a critical understanding of psychology. In addition to modules in psychology and social research methods, you can choose from a wide range of modules in criminology, education, sociology and social policy.

The flexibility of the programme means that you can choose to engage with topical issues and debates from across the social sciences or tailor your choices, with specific career options in mind, to a particular pathway.

Sociology

Key to sociology is the idea that, although every society presents us with particular expectations, opportunities and problems, and we each respond to these in different ways, we always do so with 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.

We focus on the traditional sociological concerns of race, class and gender and how the inequalities associated with these, as well as age, religion and ethnicity, are produced and reproduced. We also explore issues that are unique to modern societies such as the effect of emergent technologies like social media, problems of urban governance and vulnerability, and developments in medicine and biosciences.
Social Analytics

Social Analytics provides you with a unique opportunity to combine social science modules including sociology, criminology, social policy, social psychology or education with cutting-edge training in quantitative research methods and a guaranteed work placement. Social Analytics is characterised by a core focus on the critical consumption, analysis and production of quantitative research and data within the social sciences - from deconstructing statistics and figures quoted in the media, to redesigning a social survey in collaboration with an organisation such as the Office for National Statistics. You are trained in scientific methods and have the opportunity to analyse social media, learn specialist software for quantitative methods and develop advanced skills in data manipulation.

Social Policy

Social Policy is the study of human wellbeing and the ways in which societies seek to promote wellbeing through state welfare agencies, the private sector, and the voluntary and community sector. You gain a critical understanding of the challenges of responding to human need and managing the provision of social services. Policy debates covered by social policy include: social security, education, health, housing and personal social services, as well as policies seeking to address new challenges such as tackling global warming and promoting environmental sustainability.

Please note: this programme is only available as a Joint Honours subject and must be studied alongside another discipline. All Social Policy Joint Honours Programmes can be extended to four years with you third year spent on a professional placement.

Further Information

Methods of Teaching and Assessment

Teaching takes place through lectures and discussion-based seminar groups. We cover key theories and debates, provide training in research methods, and feature research carried out by our academic staff. Our teaching staff includes a number of internationally recognised experts who contribute to the undergraduate curriculum.

Students usually take six modules each year, including a mix of core and optional modules depending on the programmes. In Year One, you meet regularly with your personal tutor in small groups and follow a programme in which you are supported as you develop your study skills and learn how to be social scientists.

Depending on your chosen programme, you may embark upon a supervised dissertation in your final year, which involves presenting at our annual dissertation conference.

Students at university learn in many different ways. These include lectures, seminars and tutorials, as well as feedback and project supervision. Private or independent study is also crucial for deepening understanding and developing research skills. This includes background reading, preparing for seminars, conducting research, completing assignments and revision work. Our programmes have a range of assessment methods including examinations, essays, practical work, individual and group projects and presentations.

We very much value the active participation of our students in teaching and learning, and in the life of the School. Our students give feedback on all courses and our Student-Staff Panel encourages the fruitful exchange of ideas. For non-academic activities, the student-run Social Science Society organises regular social events.

Study Abroad Opportunities

We have academic collaborations with universities around the world and study abroad programme opportunities are available in your second year. Popular destinations include North America, Europe and Hong Kong and new partnerships with other countries are in development.

Admission Procedures

Offers of places are normally made on the basis of A-level results. We do not generally interview candidates. All applicants who are offered a place will be invited to an Open Day.

Careers

Our dedicated Employability and Placements Manager works to improve students’ wider skills and experiences, in order to maximise their employability. We also offer a number of modules that include placement opportunities that enhance your employability by combining study with first-hand work experience.

Postgraduate Opportunities

We offer a range of taught Masters degrees as well as a PGCE for those interested in specialising in teaching at the post-16 levels of education (in further education, sixth form colleges etc). We also offer Professional Doctorates and have around 200 students studying for a PhD or MPhil by research.
There are Coleg Cymraeg scholarship opportunities for students in the School of Welsh.
To find out more visit: www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol

Committed to research that delivers real social and cultural change. We achieved the maximum possible rating (100%) for our impact in REF 2014.

95% of our graduates are in employment and/or further study six months after graduating.*

89% of our students were satisfied overall.*

Recognising the importance of practical experience, every student will complete a period of work experience in the second year.

84% of our submitted research was rated at least of international standard with 81% classed as “internationally excellent” or “world leading”. *

*See page 40 for details of statistical sources.
Degree Programmes/UCAS Codes

**Single Honours**
- Welsh BA: Q560 (For the part-time degree in Welsh, please contact us directly)

**Joint Honours**
- Welsh and Journalism: PQ55
- Welsh and another Humanities subject: (See page 146)

**Honours LLB**
- Law and Welsh LLB: MQ15

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**Typical Entry Requirements**

These typical requirements are for guidance. Please check our website for latest information.

**A-level:**
- Single Honours:
  - BBC (first language) including B in Welsh.
  - BBB (second language) including B in Welsh.
- Joint Honours: AAA-BBB.
  - Must usually include at least grade B in Welsh for first and second language students to study Single or Joint Honours. For detailed eligibility criteria across Joint Honours programmes, please contact us.
  - Candidates without Welsh at A-level but whose Welsh is of an equivalent standard may still be eligible to apply. Please contact us to discuss.
  - Please contact us for latest information on typical offers for Joint Honours programmes.

**WBA:**
- The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:**
- 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 two traditional academic subjects. Please check our website for more information. General Studies is not accepted.

**GCSE:**
- English or Welsh at grade C.

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**Careers**

With demand for Welsh language skills and expertise 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.

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**Applications Information**

Typical places: 30  Typical applications: 100

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**Find Out More**

Web: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses)
School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)
Admissions Tutor: Dr Rhiannon Marks
Tel: (029) 2087 4710
Email: derbyncymraeg@cardiff.ac.uk

Facebook: [facebook.com/ysgolygymraeg](http://facebook.com/ysgolygymraeg)  Twitter: [@ysgolygymraeg](http://twitter.com/ysgolygymraeg)

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**Cardiff Connected**

“Once I had decided to study Welsh at degree level, I knew that the School of Welsh at Cardiff University was the place for me. There were numerous important factors I took into consideration whilst making my decision, ranging from the broad choice of modules, the scholarships on offer, and life in the capital city. The School of Welsh offers unique and contemporary modules such as Llenyddiaeth Plant (Children’s Literature), Tafodieitheg (Dialectology) and Diwylliant Cymraeg Dinas Caerdydd (The Welsh Culture of Cardiff). Another huge advantage of studying at the School is the close academic relationship between the lecturers and the students. The staff go to great lengths to give you the best possible support, but will also encourage you and motivate you to work to the best of your ability. Each student is allocated a personal tutor who is always happy to help you with any academic problems. Studying the core module ‘Iaith ar Waith’ (Language at Work) also offers opportunities to gain valuable work experience in your preferred area of work, and gives you the platform to improve vital academic and life skills.”

Osian Wynn Davies  BA Welsh
The School of Welsh is committed to the development of language, society and identity in contemporary Wales through teaching and research of the highest standard.

We combine the study of language and literature offering unique modules relevant to Welsh in today’s Wales. Whatever the subject area, whether the poetry of the Middle Ages or language technology, you study in an innovative and progressive way. The wide range of modules available to you has included translation studies, language technology in the digital age, sociolinguistics, language acquisition, children’s literature, mapping the Welsh, and Cardiff’s Welsh culture.

Preparing you for life outside of the University is an important element of our work. We offer a number of modules related specifically to Welsh in the community and the workplace. Multiple opportunities to participate in work experience with a range of institutions are also available. Students have been placed in the public and private sector, in education, arts and heritage, politics and media.

Year One

We offer a range of first and second-language modules which are available to all Year One students who meet our selection criteria.

If you intend to graduate in Welsh, first language students will normally study up to six 20 credit modules that concentrate on the language itself, writing skills, literature of different periods, and Wales and its culture.

Second-language students normally take up to six double modules that form an intensive specialised route. This allows you to develop communication skills through the medium of Welsh and gain the confidence to use the language in various situations.

To develop your confidence further in using Welsh and to establish Welsh from the outset as the natural language used in the School, additional opportunities are provided for second-language students throughout the degree programme. We make use of the latest computer software to develop language skills and you receive additional support as part of a Personal Development plan.

Year Two and Final Year

For the Single Honours programme you are required to take a number of core modules, together with a variety of literary and/or language options. The literary options cover the medieval and modern periods; the language options include the sociology of Welsh, language planning and topics relating to linguistic variation, both social and geographical. You will find the full range of modules on our website. An attractive feature of our programme is 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 normally study three 20 credit modules (first language) or four 20 credit modules (second language) in Year One. For Years Two and Three you select an equal number of options from the Welsh degree programme and from the other subject that you elect to study.

Law and Welsh

This programme 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 you to pursue interests of a linguistic or literary nature.

In order to study this programme, you will normally be expected to have studied Welsh to A-level standard (first language) (See also the School of Law and Politics entry on page 99).

Welsh and Journalism

This Joint Honours programme provides an opportunity to study Journalism with Welsh. The course has been designed in response to the high demand for journalists with Welsh language and journalistic skills.

The programme combines academic rigour and analysis with the opportunity for work experience and practical extra-curricular activities. This programme is only available if you are following the first language Welsh route.

Methods of Teaching and Assessment

The formal methods of teaching are the same for Year One, and Years Two and Three. One of our core principles is that teaching is informed and led by research. You will, therefore, learn about the latest ideas from scholars who are contributing to the development and future of their specialist subjects. Teaching is usually delivered through lectures and seminars which provide you with the opportunity to discuss subject matter in detail within groups. However, there is also an important role to be played by one on one tutorials, workshops and languages classes (especially for those following the second language route). Each module is supported by electronic teaching materials shared via the University’s virtual learning environment.

Our programmes have been carefully designed and planned to ensure you experience a range of assessment methods including coursework essays, examinations/written class tests, dissertation, portfolios, written reports and oral examinations.

Admissions Procedures

Once you have applied, you will usually be invited to visit us, 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.

Scholarships

We offer a number of scholarships across our Single and Joint Honours programmes. Further details can be found on our website or by contacting us directly.
Further Information

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Find out more online:
www.cardiff.ac.uk/undergraduate

Visit our website for more information on:
• Joint Honours Degree Programmes
• Admissions and Selection Criteria
• Application
• Preliminary/Foundation Courses
• Fees and Funding
• Open Days
Joint and Integrated Honours Degree Programmes

We offer a diverse and exciting range of Joint Honours and Integrated Honours degree programmes.

**Joint Honours Degree Programmes (BA/BScEcon) in the Humanities and Social Studies**

Joint Honours degree programmes entail studying two subjects in equal proportions throughout your period of study. These are designed to maximise student choice and flexibility. Select a subject from those highlighted and look beneath it to choose another subject which can be combined with it. The UCAS codes are listed alongside.

**Ancient History and:**
- English Literature BA **[QV31]**
- French BA **[RV11]**
- German BA **[RV21]**
- History BA **[V117]**
- Italian BA **[RV31]**
- Philosophy BA **[V55]**
- Religious Studies BA **[VQ1]**
- Spanish BA **[RV4C]**

**Archaeology and:**
- English Literature BA **[QV34]**
- French BA **[RV14]**
- German BA **[RV24]**
- History BA **[V141]**
- Italian BA **[RV34]**
- Philosophy BA **[V54]**
- Religious Studies BA **[V64]**

**Economics and:**
- French BA **[RL11]**
- German BA **[RL21]**
- History BA **[VL11]**
- Italian BA **[RL31]**
- Philosophy BA **[VL51]**
- Politics BScEcon **[LL12]**
- Spanish BA **[LR14]**

**Education and:**
- Welsh* BA **[QX53]**

**English Language and:**
- French BA **[QR31]**
- German BA **[QR32]**
- Italian BA **[QR33]**
- Philosophy BA **[QR35]**
- Spanish BA **[QR3K]**
- Welsh BA **[QQ35]**

**English Literature and:**
- Ancient History BA **[QV31]**
- Archaeology BA **[QV34]**
- French BA **[RQ13]**
- German BA **[RQ23]**
- History BA **[VQ13]**
- Italian BA **[RQ33]**
- Journalism, Media BA **[PQ53]**
- Music BA **[WQ33]**
- Philosophy BA **[VQ53]**
- Religious Studies BA **[VQ63]**
- Spanish BA **[QR34]**
- Welsh BA **[QQ53]**

**French and:**
- Ancient History BA **[RV11]**
- Archaeology BA **[RV14]**
- Economics BA **[RL11]**
- English Language BA **[QR33]**
- English Literature BA **[RQ13]**
- German BA **[RR21]**
- History BA **[VR11]**
- Italian BA **[VR12]**
- Japanese BA **[TR21]**
- Music BA **[WR31]**
- Philosophy BA **[VR51]**
- Politics BA **[LR21]**
- Portuguese BA **[PR69]**
- Spanish BA **[RR14]**
- Welsh* BA **[QR51]**

**German and:**
- Ancient History BA **[RV21]**
- Archaeology BA **[RV24]**
- Economics BA **[RL21]**
- English Language BA **[QR32]**
- English Literature BA **[RQ23]**
- French BA **[RR21]**
- History BA **[VR12]**
- Italian BA **[VR32]**
- Japanese BA **[TR22]**
- Music BA **[WR32]**
- Politics BA **[LR22]**
- Portuguese BA **[S89P]**
- Religious Studies BA **[VR62]**
- Spanish BA **[RR24]**

**History and:**
- Ancient History BA **[V117]**
- Archaeology BA **[V114]**
- Economics BA **[VL11]**
- English Language BA **[VQ13]**
- French BA **[VR11]**
- German BA **[VR12]**
- Italian BA **[VR31]**
- Music BA **[VW31]**
- Philosophy BA **[VW15]**
- Religious Studies BA **[VW61]**
- Sociology BScEcon **[LV31]**
- Spanish BA **[RV41]**
- Welsh BA **[VQ51]**

**Italian and:**
- Ancient History BA **[RV11]**
- Archaeology BA **[RV34]**
- Economics BA **[RL31]**
- English Language BA **[QR33]**
- English Literature BA **[RR31]**
- French BA **[RR32]**
- History BA **[VR31]**
- Japanese BA **[TR23]**
- Music BA **[WR33]**
- Philosophy BA **[VR53]**
- Politics BA **[LR23]**
- Portuguese BA **[6YR4]**
- Religious Studies BA **[VR63]**
- Spanish BA **[RR34]**
- Welsh* BA **[QR53]**

**Japanese and:**
- French BA **[TR21]**
- German BA **[TR22]**
- Italian BA **[TR23]**
- Portuguese BA **[W4Y6]**
- Spanish BA **[TR24]**

**Journalism and:**
- Welsh* BA **[PQ55]**

**Journalism, Communication and:**
- Politics BA **[J323]**

**Journalism, Media and:**
- English Language BA **[PQ53]**
- Sociology BA **[LP35]**

**Modern History and:**
- Politics (Integrated Single Honours Degree Programme) BScEcon **[LV21]**
Music and:
- English Literature BA
- French BA
- German BA
- History BA
- Italian BA
- Philosophy BA
- Religious Studies BA
- Welsh BA

Philosophy and:
- Ancient History BA
- Archaeology BA
- Economics BA
- English Language BA
- English Literature BA
- French BA
- German BA
- History BA
- Italian BA
- Japanese BA
- Philosophy BA
- Portuguese BA
- Religious Studies BA
- Welsh* BA

Politics and:
- Economics BScEcon
- French BA
- German BA
- Italian BA
- Modern History* BScEcon
- Philosophy BA
- Religious Studies BA
- Sociology BScEcon
- Spanish BA
- Welsh BA

Portuguese and:
- French BA
- German BA
- Italian BA
- Japanese BA
- Spanish BA

Religious Studies and:
- Ancient History BA
- Archaeology BA
- English Language BA
- German BA
- History BA
- Italian BA
- Music BA
- Philosophy BA
- Politics BA
- Spanish BA
- Welsh BA

Sociology and:
- History BA
- Journalism, Media BA
- Politics BScEcon
- Welsh* BA

Spanish and:
- Ancient History BA
- Economics BA
- English Language BA
- English Literature BA
- French BA
- German BA
- History BA
- Italian BA
- Japanese BA
- Philosophy BA
- Politics BA
- Portuguese BA
- Religious Studies BA
- Welsh* BA

Welsh and:
- Education* BA
- English Language BA
- English Literature BA
- French* BA
- History BA
- Italian* BA
- Journalism* BA
- Music BA
- Philosophy*BA
- Religious Studies BA
- Sociology* BA
- Spanish* BA

*Time tabling 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.

These groupings are accurate at the time of going to press and may be subject to change.

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:

- Ancient History BA
- Ancient History and Medieval History BA
- Archaeology BA
- Archaeology and Medieval History BA
- Clinical Practice BSc/Grad Dip
- Dental Nursing Certificate
- English Language BA
- English Literature BA
- History BA
- Intra and Perioperative Practice BSc
- Theology BTh
- Translation BA
- Welsh BA

Specific details about these programmes (e.g. time commitment) are available from the Admissions Tutor in the appropriate academic 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
The Continuing and Professional Education Department provides a wide range of part-time day and evening courses. For more information please see our website: www.cardiff.ac.uk/learn
We offer a variety of courses to prepare you for your degree programme. We also continue to provide language and study support during your undergraduate studies.

**English for University Study** is a full-time English language and study skills course designed to improve your English language skills to the standard needed to successfully complete your chosen degree programme.

To cater for different student needs and levels, the English for University Study Programme has several entry points: September (minimum entry IELTS 4.0), January (minimum entry IELTS 4.5) and April/May (minimum entry IELTS 5.0).

To comply with UKVI Tier 4 regulations, students must have a minimum of IELTS 4.0 in each sub-score.

**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 courses run between June and September.

- **8 Week A and B**: Students with IELTS 6.0 with all sub-scores at 4.0 or higher, who have a course entry requirement of IELTS 6.5
- **10 Week**: Students with IELTS 6.5 with all sub-scores at 4.0 or higher, who have a course entry requirement of IELTS 7.0
- **12 Week**: Students with IELTS 5.5 who have a score of 5.0 in Writing and all other sub-scores at 4.0 or higher, who have a course entry requirement of IELTS 6.5.

* Accepted by certain academic schools – please see our website for further details

**Language Support Throughout Your Studies**

We offer a variety of In-sessional English language and study skills courses specially designed to help our full-fee paying international students.

**Sessions available include**: Listening and Notetaking, Pronunciation, Reading Strategies, Academic Writing, One-to-One Writing Tutorials, Presentation Skills and Seminar Skills.

**Further Information**

For further information, please contact the English Language Programmes Office:

Tel: +44(0)29 2087 6587
Fax: +44(0)29 2087 6141
Email: elt@cardiff.ac.uk

[www.cardiff.ac.uk/elt/efus](http://www.cardiff.ac.uk/elt/efus)
[www.cardiff.ac.uk/summerpresessional](http://www.cardiff.ac.uk/summerpresessional)
International Foundation Programme

This is a nine month academic course which is designed to give you 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
- Psychology.

The programme offers the only direct progression routes into undergraduate degrees in Business, Engineering, the Health & Life Sciences and Psychology, for international students who pass the programme with a merit in each module.

You can also apply for progression to other courses at Cardiff University, and receive counselling and support from the International Foundation Programme Office.

You will benefit from the excellent library, computing, sporting and welfare facilities that Cardiff offers and will be supported by International Foundation Programme staff, International Student Advisers and your own Personal Tutor.

Course Content

We have designed this programme to give you a solid foundation in your chosen subject area, as well as to give you the best possible information and assistance for your time as a student in the UK. You will study a mixture of academic modules related to your 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, (Academic) or UKVI score of 5.5 (with a minimum of 4.0 in each sub score). Some courses (such as Medicine, Pharmacy, Psychology and Optometry) have higher entry requirements: please see our website for details.

If you have any questions about the suitability of your qualifications please contact the Foundation Programme staff and we will be very happy to help.

How to Apply

Please check our website for details of how to apply online. We will need to see:

- Transcripts of your school results 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 2017/2018 are £14,500. Cardiff is one of the most affordable cities in the UK. See our simple living costs calculator at:

www.cardiff.ac.uk/livingcosts

Further Information

We understand that your choice of foundation programme is very important to both you and your family. We are here to answer any questions that you have and you are very welcome to contact us at any time:

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
Preliminary Year Programmes

<table>
<thead>
<tr>
<th>Programmes/UCAS Codes</th>
<th>(Page)</th>
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<tbody>
<tr>
<td>Biochemistry BSc</td>
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</tr>
<tr>
<td>(4 year Prelim Year)</td>
<td>C74C</td>
</tr>
<tr>
<td>(5 year Prelim and Prof Year)</td>
<td>CR41</td>
</tr>
<tr>
<td>Biological Sciences BSc</td>
<td>(Page 45)</td>
</tr>
<tr>
<td>(4 year Prelim Year)</td>
<td>C102</td>
</tr>
<tr>
<td>(5 year Prelim Year and Prof Year)</td>
<td>C103</td>
</tr>
<tr>
<td>Biomedical Sciences BSc</td>
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</tr>
<tr>
<td>(4 year Prelim Year)</td>
<td>B900</td>
</tr>
<tr>
<td>(5 year Prelim Year and Prof Year)</td>
<td>B901</td>
</tr>
<tr>
<td>Chemistry BSc</td>
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</tr>
<tr>
<td>(4 year Prelim Year)</td>
<td>F105</td>
</tr>
<tr>
<td>Dentistry BDS</td>
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<tr>
<td>(6 year Prelim Year)</td>
<td>A204</td>
</tr>
<tr>
<td>Earth Sciences BSc</td>
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<tr>
<td>(4 year Prelim Year)</td>
<td>F641</td>
</tr>
<tr>
<td>Engineering BEng</td>
<td>(Page 72)</td>
</tr>
<tr>
<td>(4 year Prelim Year)</td>
<td>H101</td>
</tr>
<tr>
<td>Medicine MBCh</td>
<td>(Page 107)</td>
</tr>
<tr>
<td>(6 year Prelim Year)</td>
<td>A104</td>
</tr>
<tr>
<td>Neuroscience BSc</td>
<td>(Page 45)</td>
</tr>
<tr>
<td>(4 year Prelim Year)</td>
<td>B141</td>
</tr>
<tr>
<td>(5 year Prelim Year and Prof Year)</td>
<td>B140</td>
</tr>
<tr>
<td>Pharmacy</td>
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</tr>
<tr>
<td>Physics</td>
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</tbody>
</table>

The Preliminary Year programme includes modules in Biosciences, Chemistry, Maths and Physics. The particular modules studied depend on your academic background and the requirements of your chosen degree subject, and will be agreed through discussion with staff at enrolment.

On successful completion of the Preliminary Year, you automatically progress into the first year of your chosen degree programme. However, please note that transfer from other preliminary year degree programmes to Dentistry and Medicine is not permitted. If you are admitted onto one of the Biosciences degree programmes, you have the opportunity to change your degree programme within the same programme if your interests change e.g. from BSc Biological Sciences to BSc Biomedical Sciences. You may also have the opportunity to transfer to one of our four Masters degrees subject to your overall academic performance in years 2 and 3 of your BSc course. In addition, Biosciences offer specialised degree programmes, details of which can be found on page 45.

The Schools of Medicine and Dentistry offer Foundation Year programmes. You are taught alongside those enrolled on the Preliminary Year in Science. The School of Engineering offers a separate Foundation Year programme.

With respect to a Foundation Year in Physics, please contact the School of Physics and Astronomy for more information. Regarding queries for a Preliminary Year in Pharmacy, please contact the School of Pharmacy and Pharmaceutical Sciences for information.

If you are seeking admission to a degree programme incorporating a Preliminary or Foundation Year you should apply via UCAS (see course codes, left). You will need to satisfy the appropriate Admissions Tutor as to your competence to pursue a degree programme. The Preliminary Year is not meant to be a route for students who have failed to achieve the required grades in their A-levels.

For admissions enquiries you must contact the appropriate Admissions Tutor.

Contact details can be found on the main subject pages - see page numbers listed in box, left.

Further Information

For general enquiries about the content of the Preliminary Year in Science programme, please contact:

Dr Helen Jones  
Tel: (029) 2087 4771  
Email: JonesHE1@cardiff.ac.uk

For enquiries about the Engineering Foundation Year, please contact the School of Engineering:

Tel: (029) 2087 4656  
Email: engineering-ug@cardiff.ac.uk
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 are published on our website at: www.cardiff.ac.uk/fees

Scholarships and Bursaries
For information on financial support provided by the University please visit: www.cardiff.ac.uk/funding-ug

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.slc.co.uk
If you normally live in Wales: www.studentfinancewales.co.uk
If you normally live in England: www.direct.gov.uk/studentfinance
If you normally live in Scotland: www.saas.gov.uk

Applicants from Northern Ireland should contact their Education and Library Board. EU students applying for financial assistance need to complete form EU17N.

It is important that you make an application for assistance to the appropriate body before you start 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, January and April.

Important
Please note that the fees listed on our website are subject to increase. These increases will be in line with government policy. If you withdraw from the University, please email Fees@cardiff.ac.uk to find out the implications of withdrawal on your tuition fees. Students may also want to discuss other aspects of their withdrawal with a member of the Advice and Money Team (029 2087 4844). Fees will be fixed for three years for International students.

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 while 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 three instalments by direct debit in November, January and April. 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 undertaking a work placement year for a sandwich year will pay 20% of the full fee. Students undertaking one-year placements under the Erasmus scheme or a study placement at an overseas institution outside the Erasmus scheme will pay 15% of the full fee.

Overseas Tuition Fees
Following the introduction of the Education (Fees and Awards) regulations 1982 all applicants from overseas other than nationals of the EU 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 Student Finance. In such cases, you will be personally liable to pay that portion of the tuition fees not covered by Student Finance.

Further Information
For information on fees please contact the Finance Office:
Tel: +44 (0)29 2087 4399 / 9262
Email: Fees@cardiff.ac.uk

For information on financial support please contact the Advice and Money Team:
Tel: +44 (0)29 2087 4844
Email: adviceandmoney@cardiff.ac.uk
Web: www.cardiff.ac.uk/studentsupport

The use of animal-derived products in Undergraduate Teaching

Given the nature of the subjects, the use of 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.
How to Apply

Applications for full-time undergraduate programmes 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 15th January 2018 (or 15th October 2017 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. 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: www.cardiff.ac.uk/apply

Our admissions tutors are also able to give you advice. Contact details are listed in this prospectus.

Admissions Policies and Procedures

For further information about our admissions policies and procedures please visit: www.cardiff.ac.uk/apply 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 international students will be accepted by UCAS between 1 September 2017 and 30 June 2018 (or 15 October 2017 for Dentistry and Medicine). We recommend that you apply as early as possible, as some courses have limited spaces. Please also see page 36.

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 Disclosure and Barring Service (DBS) disclosure.

Curriculum Changes
Significant changes are being made to the school curriculum in England and Wales. We are currently reviewing the impact these changes will have on our admissions arrangements. Updates will be posted on our website at: www.cardiff.ac.uk/apply

Practical Science
Where applicable, we will expect applicants to have taken this element. For a number of our programmes (primarily in science subjects) where a qualification includes a practical science element you will be required to pass this to gain entry onto the programme. Please see our website for more specific detail.

Welsh Baccalaureate Skills Challenge Certificate
We accept the Welsh Baccalaureate Advanced (WBA) Skills Challenge Certificate as equivalent to an A level for admission to all of our undergraduate degree programmes.

We accept an A* grade as equivalent to an A* at A-level, A as equivalent to an A at A-level, and B as equivalent to a B at A-level and a C grade as equivalent to a C at A-level.

If you are studying the WBA Skills Challenge Certificate in combination with three A-levels, any offer you are made for entry will be flexible, allowing you to satisfy the grades required EITHER from the WBA Skills Challenge Certificate and two A-level grades OR grade requirements from three A-levels. Any subject-specific requirements will also be stipulated in the offer (Please note the Skills Challenge Certificate cannot replace a required specified subject or subjects).

GCSE Equivalencies
GCSEs in England and Wales have different grading structures. Please note that our entry requirements are subject to change so check our website for latest equivalencies but at the time of going to press the equivalencies are as follows. Where there is a two grade equivalency i.e. grades A and C, we will require the lower grade i.e. 7 for grade A and 4 for grade C as standard unless otherwise stated.

<table>
<thead>
<tr>
<th>Wales Grading</th>
<th>England</th>
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<tr>
<td>A*</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>8 and 7</td>
</tr>
<tr>
<td>B</td>
<td>6</td>
</tr>
<tr>
<td>C</td>
<td>5 and 4</td>
</tr>
</tbody>
</table>

Notes for Welsh Language Applicants
Our education is primarily in English, but provision through the medium of Welsh is available and 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 147.

Equality and Diversity
We are committed to promoting equality and diversity in all of our practices and activities, including those relating to student recruitment, selection and admission. We aim 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

Please Read Carefully – Important Legal Information
The contents of this prospectus relate to the Entry 2018 admissions cycle and are correct at the time of going to press in January 2017. However, there is a lengthy period of time between printing this prospectus and applications being made to and processed by us, so please check our website - www.cardiff.ac.uk before making an application, in case there are any changes to the course you are interested in or to other facilities and services described here. Where there is a difference between the contents of this prospectus and our website, the contents of the website take precedence and represent the basis on which we intend to deliver our services to you.

Any offer of a place to study at Cardiff University is subject to terms and conditions, which can be found on our website www.cardiff.ac.uk and which you are advised to read before making an application. The terms and conditions set out, for example, when we might make changes to your chosen course or to student regulations. It is therefore important you read them and understand them.

If you are not able to access information online please contact us:
Email: enquiry@cardiff.ac.uk
Tel: 029 2087 4455

Your degree: Students admitted to Cardiff University study for a Cardiff University degree.

www.cardiff.ac.uk/applyingtocardiff
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Finding out more ...
(including latest information/entry requirement updates)

www.cardiff.ac.uk

Our website offers the latest and more detailed information about the University and its activities:

• Latest entry requirements and in-depth course information
• Information about individual academic schools
• Open Day information
• Information for students with disabilities/special needs
• Information for international students
• The Insiders - student blogs
• Facts and figures about the University
• Student Support Services
• Cardiff University Students’ Union
• Postgraduate study opportunities.

The following websites are also sources of further information about Cardiff and Higher Education:

www.cardiff.gov.uk
www.whycardiff.com
www.ucas.com
www.gov.uk/student-finance
www.studentfinancewales.co.uk
www.slc.co.uk

Publications

You can download copies of our School brochures 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
International Office: (029) 2087 4455
Residences Office: (029) 2087 4849
Students’ Union: (029) 2078 1400
Address: Cardiff University, Main Building, Park Place, Cardiff CF10 3AT

Open Days 2017

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 an Open Day where you can gain an insight into life as a student.

Cardiff’s Open Days enable you to meet and talk to admissions tutors, academic staff and other University staff as well as current students to get information on issues from courses to careers, facilities to finances, student accommodation to social life. 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.

Some academic schools also have their own Open Days, although these are primarily for students who have already applied to the University. If our Open Days dates are not convenient you are welcome to take a self-guided tour around the University and you can download the tour booklet from our website.

More information about all of these options is available: www.cardiff.ac.uk/opendays

Alternatively, please contact the Schools Liaison Office:

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

Travelling to Cardiff

Doorto-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 postcodes are:
Cathays Park Campus: CF10 3AT
Heath Park Campus: CF14 4XN

The University’s Open Days in 2017 will take place on:

• Wednesday 26 April
• Friday 7 July
• Saturday 16 September
• Saturday 21 October

See our website for further details.
Open Days 2017

- Wednesday 26 April
- Friday 7 July
- Saturday 16 September
- Saturday 21 October

To find out more and book your place visit:
www.cardiff.ac.uk/opendays

Got questions about student life?
Get them answered at:
www.cardiff.ac.uk/insiders

Some of our current students are sharing their experiences online through their blogs so if you want to know what life as a student at Cardiff is really like, then you can find out now.

Cardiff Connected

www.cardiff.ac.uk
@cardiffuniug
facebook.com/Cardiffuniug
instagram.com/cardiffuni
youtube.com/user/cardiffuni

Contact us

Students from the UK or EU:
Tel: 029 2087 4455
Email: enquiry@cardiff.ac.uk

Students from the rest of the world:
Tel: +44 (0)29 2087 4432
Email: international@cardiff.ac.uk