

CARDIFF  
UNIVERSITY

PRIFYSGOL  
CAERDYDD



# Cardiff University Undergraduate Prospectus 2019

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

Welcome  
from a leading university...

Proud to be a **top 10 UK** and  
**world top 100** university

Source: Academic Ranking of World Universities 2017

**94.8% of students**  
employed or in further study  
**6 months** after graduation

Source: HESA Destinations of Leavers Survey 2015/2016

**Top 5**  
UK university  
for research  
**QUALITY**

Source: Research Excellence Framework, see page 18



## Hello!

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

Our prospectus describes what it is like to be an undergraduate at Cardiff University in the words of the people who know it best - our students, past and present, and staff. It also gives you information about the things you'd expect to see in a prospectus - our courses, 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. Whatever your choice, we wish you every success with your studies.

**Professor Colin Riordan**

President and Vice-Chancellor

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### Student Bloggers

From study tips to where to eat, to societies, weekend trips and where to get your books, our student bloggers are real students talking about the reality of being a student at Cardiff.

Don't miss their latest blogs for the chance to find out more about what it's like to study and live in Cardiff.

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

... in a friendly, attractive capital city.

## Affordable:

Cardiff is “the **most cost-effective** city for students.”

Natwest Student living Index 2017

# Top 3 capital city for quality of **LIFE**

Source: Most recent European Commission Quality of Life in European Cities Survey

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

240 sports clubs and student societies

### Come and visit us on an Open Day

Come and meet our staff and students, ask questions, get advice and information, and generally get a feel of what life as a student at Cardiff University is like:

- Wednesday 18 April
- Friday 6 July
- Saturday 15 September
- Saturday 27 October

To book your place visit:  
[www.cardiff.ac.uk/opendays](http://www.cardiff.ac.uk/opendays)  
 Or contact the Open Day Office directly:  
 Tel: **029 2087 4455**  
 Email: [openday@cardiff.ac.uk](mailto:openday@cardiff.ac.uk)



### CardiffConnected

I leave with a degree but much more in my arsenal. There have been friends, societies, gigs, plays, sporting fixtures, and a hundred other moments that I shall prattle on about in years to come.

University offers you everything, it really does and sometimes admittedly, it can be a little too much to jump into from the off. However, with time, when the dust settles and your Breaking Bad poster is securely blued-tacked onto your plaster board wall, you'll realise with a new enthusiasm, that you have three years, a new city, new lecturers and new avenues to explore. So, take a chance on Cardiff – the capital with the most amicable of atmospheres – and drink it in!

Joe



# Reasons to Love Cardiff



## 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\*, for quality of life, alongside Copenhagen and Stockholm.

(\*Most recent European Commission Quality of Life in European Cities Survey)

## 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 six 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.



Susanna Reid  
(PgDip 1993, Hon 2015)



Jamie Roberts  
(MBCh 2013)



Zhong Binglin  
(PhD 1994,  
Hon 2001)

## 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, former 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 dramas such as 'Casualty', 'Doctor Who' and 'Sherlock'.

# Reasons to Love Cardiff

## 07

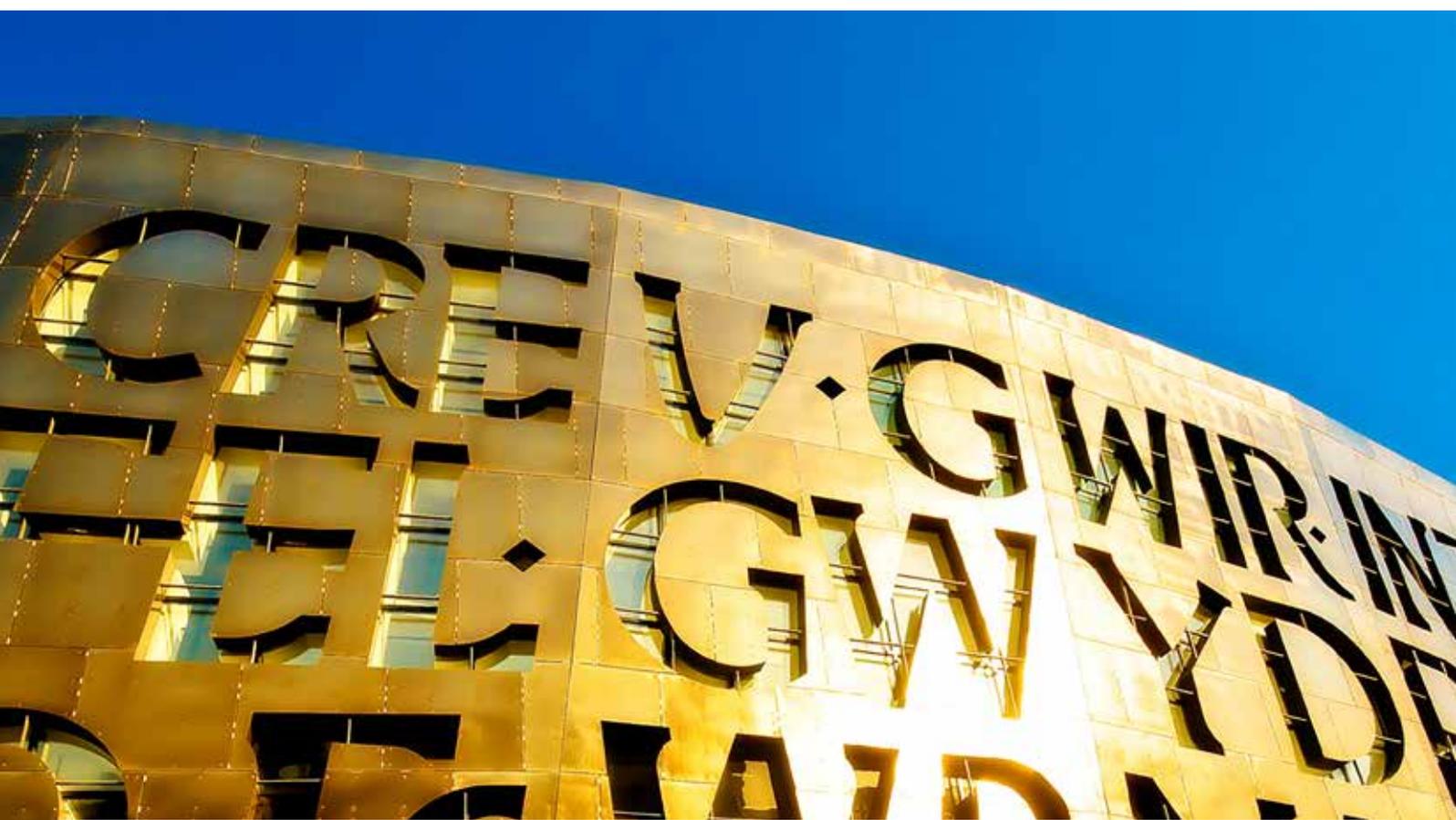
### On the doorstep to wild Wales

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.





# A Capital City



Cardiff is a thriving and attractive city - with all the advantages of a compact, friendly and inexpensive location with the cultural and recreational facilities of a modern capital city.

**The excitement of the city to the peace and tranquility of the nearby coast and countryside.**

## A City with Character, Heritage and Ambition

Cardiff has a distinctive character and a great quality of life. It hosts numerous major sports, arts and cultural events and, as the capital city of Wales, it is home to many national institutions including the National Museum and the Principality Stadium, home of Welsh rugby. Other famous landmarks include the historic Cardiff Castle and 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 coal which fuelled the industrial revolution. The famous Tiger Bay docklands have been transformed into Cardiff Bay, a modern development of homes, shops, offices, visitor attractions, and the National Assembly for Wales.

## A City Made for Students

When it comes to entertainment, Cardiff is well-equipped to satisfy student needs. There are a multitude of cafés, pubs and nightclubs, and for gig-goers, concerts at venues such as the Wales Millennium Centre, Motorpoint Arena and St David's Hall, as well as our own Students' Union. Meanwhile, the University Concert Hall provides regular recitals and concerts for classical music lovers.

The world-acclaimed Welsh National Opera is based in Cardiff. For those who prefer drama, Cardiff has three thriving theatres and the eclectic Chapter Arts Centre. There are also comedy clubs and several multi-screen cinemas in the city.

Cardiff 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 quirky network of 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.



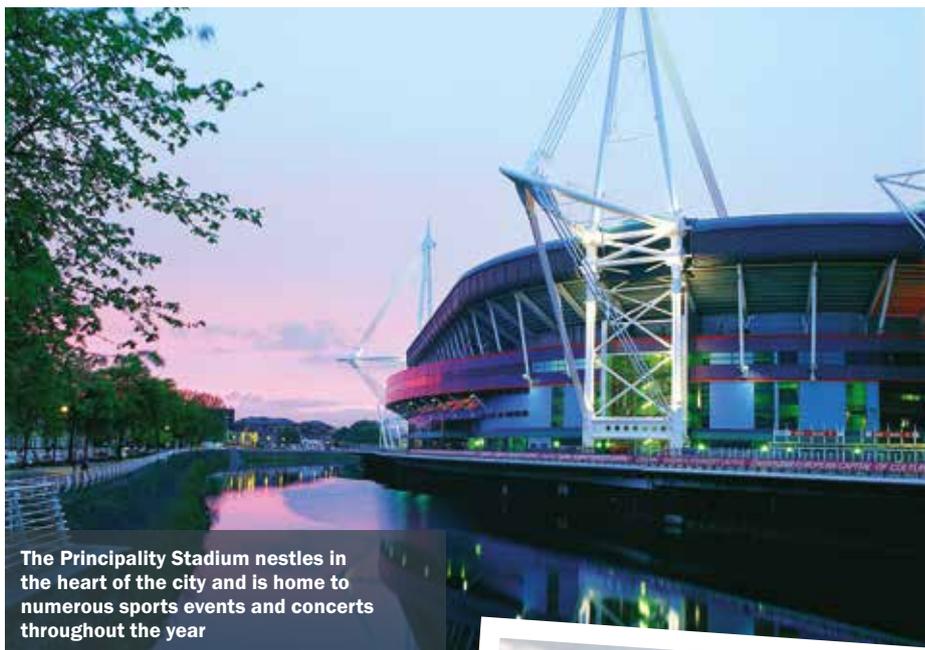
Wales Millennium Centre is one of the UK's top cultural attractions, situated at the heart of Cardiff Bay



Cardiff is one of the UK's best shopping destinations

“Compact, multicultural Cardiff dances to its own beat, with abundant cultural and historical sights, independent businesses and a friendly atmosphere.”

**Lonely Planet, 2017**



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

## CardiffConnected

I fell in love with the city as much as the course itself – everyone is friendly, it's easy to find your way around and there's parks and green spaces everywhere you look.

**Rosie** (BA 2014) graduated with a First in English Literature



# A Capital City



Cardiff has an abundance of urban green spaces. Our 330 parks and gardens reach right into the heart of the city, with peaceful parklands and gardens close to the city centre and University. Surrounded by countryside right on your doorstep, if you want to explore further afield, you can take part in 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 take in a trip to 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, including international rugby, speedway and gigs.

The Cardiff City Stadium is home to Cardiff City football team 'the Bluebirds', while rugby is played at the famous Cardiff Arms Park and first-class cricket (including international matches) takes place at the SWALEC Stadium.

Cardiff Bay is home to the city's professional ice hockey team the Cardiff Devils – as well as an international standard swimming pool, a new ice arena, and 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 could take in 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.



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

## CardiffConnected

I came to Cardiff because the city felt alive. In areas like Cathays and Roath there's always the hustle and bustle of students. I was drawn in by the beautiful aesthetic of the Cardiff campus; how could you not fall in love with the University's Main Building?

**Jamie** (BA 2015, MA 2017)



The surrounding countryside and coast offer superb opportunities for outdoor pursuits

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

# A Leading University





The University's Main Building – Cardiff was recently ranked in the top 10 most beautiful universities in the UK

We're proud to have an international reputation for excellence in teaching and research, built on our history of achievement since 1883, and recognised by our membership of the Russell Group of leading UK research universities.

**Our students are part of a successful, vibrant and cosmopolitan university.**

We expect you to work hard during your time here – gaining a degree at Cardiff will be challenging, but we offer you the opportunity to let your hair down when necessary. This combination of a 'work hard, play hard' ethos leaves you not only with strong employment prospects, but also as a more rounded individual.

We welcome approximately 5,500 undergraduates each year. While competition for places is strong, Cardiff is an inclusive university and we welcome applications, irrespective of background, from everyone with the potential to succeed.



Skype booths - students have access to a wide range of modern facilities

“Cardiff University is a hugely popular UK university ... [it] has a reputation for world-class research and provides an excellent experience for its student body.”

**Telegraph University Guide 2018**

**CardiffConnected**

Studying Politics at Cardiff helped me to think critically about problems. The essays, debates, and presentations trained me to develop work that is thoroughly researched and robust to critique. This academic foundation has given me a solid structure to work with across all my clients, and I continue to draw on course content that I learned during my degree – even things I studied in my first year at university.

**Fiona** (BSc 2013)



# A Leading University



## Our Campuses

The University's Cathays Park Campus is located in and around the impressive buildings, parks and wide tree-lined avenues that form Cardiff's attractive civic centre.

The majority of our Academic Schools can be found here, with the 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, which provides an ideal environment for teaching healthcare professionals in a modern clinical setting.

We have invested substantially in our estate in recent years and continue to do so, including 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 degrees is a particularly attractive feature of the University. In many cases you can delay your final choice of subjects until the end of your first year. This is a tremendous advantage, particularly if you are undertaking a subject that you are not already familiar with. In other areas of study, the range of options mean that you can effectively tailor your programme to suit your particular interests and career ambitions. In some degree programmes, successful completion will earn you partial or complete exemption from professional examinations.



Facilities at the Heath Park Campus include a state-of-the-art radiography suite



Many of our courses benefit from significant vocational and professional content, while others offer you the opportunity to gain experience and expertise in industry.

All modern language degrees are four years in duration, and include a year in the relevant European country. Other 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, giving you 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

Our Global Opportunities team can help you gain valuable international experience, with study, work and volunteering opportunities available worldwide. (Please see page 24 for further details.)

### Languages for All

You have the opportunity to study a language in addition to your degree through our Languages for All programme. (Please see page 24 for further details.)



The majority of Academic Schools have benefited from major refurbishment of teaching spaces

### Supporting You

We welcome applications from all students with the potential to succeed here and recognise the advantages of a diverse and talented student community. We want to ensure that we provide the best possible support for all our students. We have support programmes in place for care leavers, estranged students, mature students, students with caring responsibilities, forces veterans, asylum seekers and students with a disability or additional learning needs.

LGBT+ students may face different challenges at university and our work in this area is recognised nationally. We are rated as one of the best universities for supporting LGBT+ students and we are proud to be ranked highly in the Stonewall Workplace Equality Index.

# Building a Successful University



£40m is being invested in refurbishment of existing teaching facilities



Architect's impression of the interior of one of the floors, Centre for Student Life



Main image: Architect's impression of the new Centre for Student Life

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 ongoing 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 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 Cochrane Building, home to the Health Library and School of Medicine

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

Our School of Journalism, Media and Culture is to move to a state-of-the-art building in central Cardiff, situated alongside a new home for national broadcaster BBC Wales. The move will create an industry-academic interface, putting the School at the heart of a vibrant media environment in Cardiff city centre.

In addition, we are planning to build a purpose-built joint home for the School of Mathematics and School of Computer Science and Informatics. This will create a vibrant centre of excellence to deliver innovative teaching and research.

Plans are also progressing for a new student residence for 700-plus students.

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



Artists impression of the state-of-the-art School of Journalism, Media and Culture

# Serious Brain Power



The University is a global leader in advanced brain imaging technology

Cardiff University was ranked 5th amongst UK universities for research quality and 2nd on its impact, in the most recent Research Excellence Framework, confirming 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 – our staff help answer the big questions facing mankind in the 21st century.

As active researchers, our academic staff are enthusiastic and committed. Research is about the spirit of enquiry, 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 attributes valued by employers.

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

Our health and bioscientific research goes from laboratory to drug development to major clinical trials – a “bench to bedside” strategy.

Our researchers also bring 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.

## Research Excellence Framework (REF) 2014: Overall ranking of universities:

Rank	University	Grade Point Average*
1	Imperial College	3.36
2	LSE	3.35
3	University of Oxford	3.34
4	University of Cambridge	3.33
<b>5</b>	<b>Cardiff University</b>	<b>3.27</b>
6	KCL	3.23
7	University of Warwick	3.22
8	University College London	3.22
9	London School of Hygiene and Tropical Medicine	3.2
10	Queen Mary University of London	3.18
11	University of Edinburgh	3.18
12	University of Bristol	3.18
13	University of Sheffield	3.17
14	University of Bath	3.17
15	University of York	3.17
16	University of Manchester	3.16
17	University of Southampton	3.15
18	Lancaster University	3.15
19	University of Durham	3.14
20	University of St Andrews	3.13
21	University of Leeds	3.13
22	University of East Anglia	3.11
23	University of Glasgow	3.1
24	Swansea University	3.09
25	Royal Holloway, University of London	3.09
26	University of Nottingham	3.09
27	Newcastle University	3.09
28	University of Exeter	3.08
29	University of Birmingham	3.07
30	Cranfield University	3.07

**Note:** The Research Excellence Framework is a major assessment of research undertaken periodically by the UK funding councils. The results are ranked in a number of ways, one of the most common being Grade Point Average. “Grade Point Average” is a quality profile weighted by staff (Full-time equivalent), where the percentage at 4\* x 4, the percentage at 3\* x 3, the percentage at 2\* x 2, the percentage at 1\* x 1 divided by 100 (the total percentage of all research). Further information about the Research Excellence Framework is available at: [www.cardiff.ac.uk/ref](http://www.cardiff.ac.uk/ref)

# Research Informed Teaching

At Cardiff, learning and teaching take place in an environment where you engage directly with researchers who are working at the frontiers of knowledge and practice in their fields.

This has contributed to our high quality of teaching which has received robust endorsement from the Quality Assurance Agency for Higher Education.

Our research culture impacts progressively on you. In the early stages, you are given a flavour of the research activities in your subject and are introduced to a range of research skills. As you progress, you participate increasingly in activities that are influenced by staff research and scholarship.

## Degree Structure

Degrees 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.

## Technology-Enhanced Teaching

Our students are increasingly benefiting from innovative teaching methods. Panopto is Cardiff University's event capture tool that enables staff to easily record lectures and make them available on-demand to our students. It is also used to live stream distance education courses, to record 'flipped' classroom videos, and to record student assignments.

This technology allows for the simultaneous capture of audio, video and any computer application which can then be shared in a variety of ways during and/or after the session.

Feedback from our students plays a crucial role in how we develop our learning resources for the future – we listen to the student voice and encourage as much two-way interaction as possible.



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



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



The University is committed to providing a high quality student experience

## CardiffConnected

As part of my degree we were able to conduct human dissections, and that has stuck with me as one of the most valuable learning experiences I have ever had. It was a really unique opportunity, with Cardiff being one of few universities in the UK offering human dissections as part of the curriculum. It gave another dimension to my studies and helped me understand complex concepts on another level; it really amplified my passion and interest for the subject.

Alice (BSc 2013)



# Graduate Success



Cardiff University graduates are among the most sought-after by employers.

**We place 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. We prepare you for leadership and are listed annually in the top 25 universities targeted by graduate recruiters, according to the annual Graduate Market survey published by High Fliers.

In addition to our 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 degrees 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.

94.8% of our students are employed or in further study six months after graduation.

**HESA Destination of Leavers Survey 2015/16**

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

**Paul Davies – Partner, Latham and Watkins LLP**

(UK and international law firm)

### An Employer’s View

“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**



## CardiffConnected

### Callum Drummond

(BSc2016)

**Founder of Bula Batiki, a non-profit coconut oil company**

“Before starting at Cardiff, I was volunteering for a charity called Think Pacific. It’s a social enterprise that brings gap year students to Fiji. The volunteers help lift Fijian children out of poverty, by building infrastructure and supporting education.

“I stayed with a Fijian family who really took me under their wing. By the time I left, I felt like part of the community.”

So strong was the attachment that at the end of his first semester, Callum returned to spend the Christmas break with his Fijian family.

“I started to think about the Vu ni Niu (coconut palms) scattered across the island. I knew there was high demand for coconut oil in UK. I realised we could export it home and use the profits to reinvest in the island.”

Callum had no prior interest in entrepreneurship, but with the help of Cardiff’s Enterprise Team, he wrote an effective business plan for Bula Batiki which went on to win SPARK, the University’s annual business ideas competition.

With the aid of a small grant, Callum flew back to Fiji and pitched his idea to the community. In an area where inhabitants eke out a living through subsistence farming and fishing, there was widespread support.

“We developed our packaging and began paying villagers for the

one jar of oil, but each jar has an enormous impact. Selling our first 160 litres allowed the villagers to develop their houses and enabled children to go to school.”

Callum raised £8,000 through a successful crowdfunding campaign which he will use to extend his model of sustainable enterprise to neighbouring islands. “Then we can really start to make a difference. That’s where I see my future. All my hopes and dreams lie in Batiki.”

# Careers and Employability

**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, enabling you to use the services and expertise available to former students.**

## Careers and Employability

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

### Careers Information, Advice and Guidance

- A team of careers professionals linked to Academic Schools
- Careers information and research facilities
- Careers sessions: lectures and clinics delivered in your Academic School on job search, career choice, interviews, applications and assessment centres
- Employability masterclasses and daily careers appointments.

### 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 by Careers and Employability staff, with a focus on developing skills while in university and articulating those skills successfully in future applications
- The opportunity to become mentors to other students – this is a very popular scheme which encourages skills development in both mentees and mentors.

### The Cardiff Award

- This enables you to gain recognition for the skills developed and work experience achieved throughout university. It has been developed and sponsored by a number of graduate recruiters.

From the beginning, 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 degrees 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.

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

### Find us on social media

 [cardiffcareers](#)

 [@cardiffunicareers](#)

## 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 founder of MoneySavingExpert.com 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 155,000-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](http://www.cardiff.ac.uk/alumni)



[CardiffUniAlumni](#)



[@CardiffAlumni](#)

## CardiffConnected

The main thing drilled into us the minute we walked through that door to the first lecture of the first year was – WORK EXPERIENCE IS ESSENTIAL.

It's very true, though – we're all going to be graduating with excellent degrees, sure. But it's very clear we need to boost our CVs in order to get those precious graduate jobs when we leave. Unpaid work experience does not go unnoticed. Equally – volunteering is a fab way to boost your CV and if you just click onto Cardiff Students on the student intranet, you'll see endless opportunities available.

**Chloe** Business management



### An Employer's View

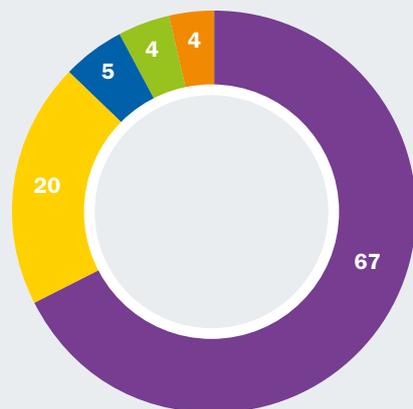
"We have core competencies that we look for and it's not just the degree you can offer, but also the ideas and enthusiasm you can bring. The skills students develop throughout university shape their employability. Our aim is to help students to understand how they can transfer these skills into the workplace. 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

### Known Destinations of Graduates



Employed	67%
Further Study	20%
Work and Study	5%
Other (inc. travelling)	4%
Unemployed	4%

Source: Destinations of Leavers in Higher Education Survey 2015/16. Survey respondents: 3,149 first degree graduates (UK only).

### Employers targeting Cardiff University include:

Abercrombie and Fitch	Hugh James Solicitors
ACCA	IBM
Admiral Insurance	Jaguar Land Rover
Airbus Group	KPMG
Allen and Overy	Laing O'Rourke
Amazon	L'Oréal
Armed Forces	Lloyds Banking Group
Arup	Lloyds of London
Babcock International	Macfarlanes
BBC	Marks and Spencer
Boots	Microsoft
BP	Mott Macdonald
British Army	Nationwide
BT	Building Society
Civil Service	Network Rail
Costain	NHS
Deloitte	PwC
Dyson	Redrow Homes
Ernst & Young	Santander
EY	Specsavers
Eversheds	Sky
Ford Motor Company	Tata Steel
Freshfields	TeachFirst
GE	The Church in Wales
General Dynamics	Transport For London
GlaxoSmithKline	Welsh Government
HMRC	Welsh Rugby Union
HSBC	



Cardiff has an excellent graduate employment record

# Start Here, Go Anywhere

Enrich your studies 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 . . .

[go@cardiff.ac.uk](mailto:go@cardiff.ac.uk)

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

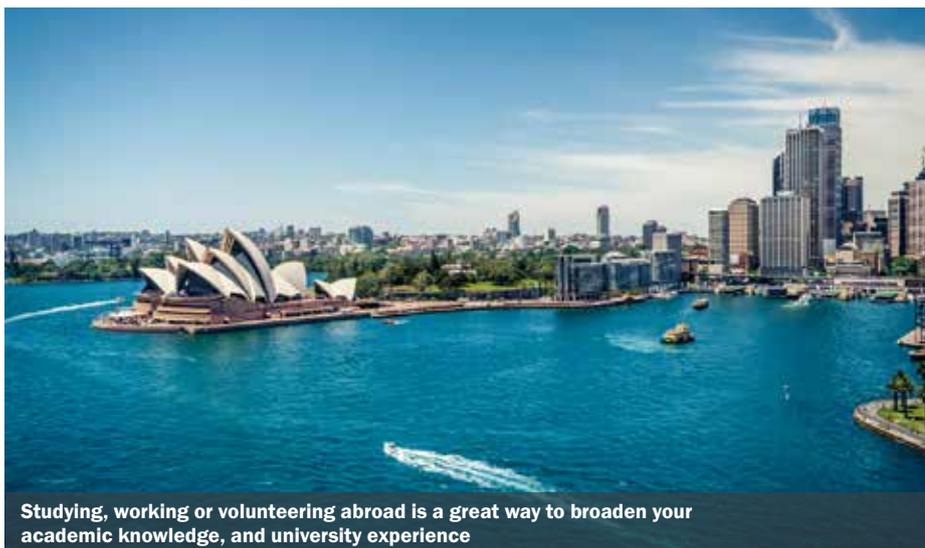
[www.cardiff.ac.uk/languagesforall](http://www.cardiff.ac.uk/languagesforall)

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

## CardiffConnected

"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,**  
Hong Kong University,  
New Horizons Summer Programme:  
Global Business in Asia



Studying, working or volunteering abroad is a great way to broaden your academic knowledge, and university experience

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

## CardiffConnected

## My Sri Lanka Placement

This summer I had the amazing opportunity to do a Mental Health Placement in Sri Lanka thanks to the SLV Organisation.

Our normal week would consist of helping run activities for Special Needs and teaching Sri Lankan children and adults English. We really got a feel for the Sri Lankan lifestyle; living and eating in a Sri Lankan homestay, getting ourselves to our projects using the local transport. Our 'amma' (mum), although not speaking a word of English, would always give us the brightest smile and ask about our day. She treated us like her own children and it was definitely hard to say goodbye when the time came.

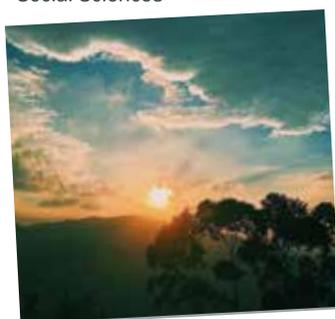
In terms of mental health, the fact that only 1% of Sri Lanka's healthcare budget goes towards mental health shows how British views of mental health differ to that of Sri Lanka. Even though people are becoming more accepting that mental health is just as important as physical health, in a country which is deeply religious, people would rather go to a monk or shaman to get someone treated instead of a psychiatrist. By the time they do take the patient to a psychiatrist, the disorder would have already done a lot of mental damage to the person, making it harder to treat.

Having talked to a Sri Lankan psychiatrist and worked on case studies in a psychiatric ward, I could tell the psychiatrists had a tough job on their hands with over 100 patients coming in a week and only have about 30 minutes to an hour with each patient.

The volunteering we did with SLV definitely made me feel we are helping locals see that mental health is important and for patients who believe they have been ostracised from society, we are that someone who does care for them.

### Wendy

2nd year Human and Social Sciences



# Living in Cardiff



Most of our residences are within easy walking distance of academic buildings and the Students' Union

Your home from home - we have a range of options to suit all tastes and budgets.

**Our advice would be to live in a University residence in your first year, 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

If you accept your offer of a place at Cardiff on a firm basis, you are guaranteed a single occupancy place in University residences during your first year. 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.



All study bedrooms have University computer network connection points and Wi-Fi access

### A Range of Residences

We continually invest in our student residences and carry out annual maintenance programmes. When designing our 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 16 different residences, providing more than 5,500 study bedrooms, you can apply for one that best suits your preferences, interests and budgets. 70% of bedrooms have their own en-suite facilities and all bedrooms have University computer network connection points and wireless access.

“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



A typical kitchen in a self-catered student residence

## CardiffConnected

### Living with Other People

Among the many changes you will have to make when you go to uni, living with other people and adapting to a new living situation will most likely be one of the biggest adjustments you'll have to cope with. Whether you're moving into halls with strangers, moving into a house with friends, or moving into a flat with your partner for the first time, it can be a pretty stressful process. Moving from your family home can be challenging for a number of reasons; you might miss your family, struggle to be independent, or want your own personal space.

Being patient with others and pulling your weight are my two main tips. Everybody comes from a different background, some people are used to doing everything for themselves, while others are used to having family help clean up after them. Speak frankly with your housemates and establish some ground rules. Perhaps have a discussion about whether it's okay to borrow each other's stuff. It's easier to talk about when you first move in so you can establish where everybody stands before somebody uses somebody else's favourite mug, or somebody uses the last of somebody else's rice the day they were planning on making a curry. Things like designating jobs or keeping a to-do list helps everyone to keep on top of tasks and make sure everyone is doing their bit.

Sorting out bills, establishing house rules, and gaining a consensus between everyone you share a house with will allow you to live together with minimum stress and conflict, letting you concentrate on important things like studying and enjoying uni life.

### Hope



# Living in Cardiff



The University has 16 residences with over 5,500 bedrooms

Cardiff is “the most cost-effective city for students.”

## Natwest Student Living Index 2017

### Virtual Campus Tour

Discover more about the University and the city of Cardiff through our interactive online tour at:

[virtualtour.cardiff.ac.uk](http://virtualtour.cardiff.ac.uk)

### The Choice is Yours

Self-catered residences enable you to prepare your own meals to fit around your timetable, taste and budget. You could also opt for a catered option with an evening meal (part-catered) or breakfast and evening meal (catered – female only). All catered options offer vegetarian meals and facilities to make snacks and hot drinks.

### Applying for Residences

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

“Cardiff boasts one of the lowest living costs in the UK.”

## The Complete University Guide 2018

### Affordable Residences

Fees depend on a range of factors, such as facilities within the residence, or study bedroom and whether you go for catered, part-catered or self-catered options. Our fees compare very favourably with those of other UK universities. Typically, catered residences costs approximately £143 per week. A place in self-catered residences currently costs between £104-£127 per week (all figures quoted at 2017/18 prices).

The cost for 2018/19 will be confirmed during 2018, and published on our website.

### Couples and Families

We have a small number of residences suitable for couples and families. We are, therefore, unable to guarantee this type of residence, and priority is given to students coming from overseas for the first time. All students living in such residences are expected to find alternative accommodation for subsequent years, as we are unable to provide this option beyond the first year. Students seeking couples/family accommodation are strongly advised to secure suitable accommodation before their arrival in Cardiff.

## Find out more . . .

For further information please visit our website: [www.cardiff.ac.uk/residences](http://www.cardiff.ac.uk/residences)

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

You can also watch our residences film online at:

 [www.youtube.com/watch?v=hxzX-dYlfB8](https://www.youtube.com/watch?v=hxzX-dYlfB8)



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

# Meet our Student Bloggers . . .

Want to know more about life at Cardiff University? Our Student Bloggers are real students studying on a range of courses who share their experiences of what it's like to be a student at Cardiff.

**Wondering what a typical day is like? What clubs and societies you could be involved in? Whether Cardiff's music scene is any good?**

Our student's write about 'all things' student life so visit [www.cardiff.ac.uk/studentbloggers](http://www.cardiff.ac.uk/studentbloggers) to explore Cardiff through our students. Our students are also here to answer any questions you might have so leave a comment or get in touch on social media and our student bloggers will be sure to answer your queries.



**Megan**



**Wendy**



**Jack**



**Hope**



**Joe**

## Megan

### 3rd year English Literature

I'm a third year English Literature student here at Cardiff University. I've experienced so many new and exciting things during my time studying in Cardiff and would thoroughly recommend the student experience here! My advice to new students would be to try out as much as you can – the range of societies at Cardiff Uni is brilliant. In my time here I've learnt to tap dance with Broadway Dance Society and become a member of the Rowing Club, which is something I never imagined myself doing! I applied to be a Student Blogger because writing is always something I have always been passionate about and this seemed like a fantastic way to show my enthusiasm for the Cardiff University student experience. I look forward to blogging about everything going on here!

## Wendy

### 2nd year Human and Social Sciences

Hey guys, I'm Wendy, a second 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.

## Jack

### 2nd year Physics

I'm Jack, a second 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 all this, 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 third 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!

## Joe

### 3rd year English Literature

I'm Joe and I am a third year English Literature student at Cardiff University . . . pioneering the new vlog section for Cardiff Insiders! I'm a big fan of sport, cinema, music and Bombay mix. Previously I served on the Christian Union exec and I've enjoyed being a member of Xpress radio too.

Fun fact: When I was five I asked for invisible ink for Christmas. My parents convinced me that it had arrived but I just couldn't see it.

# 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

As you would expect, our IT facilities give you access to a range of support, tools and resources to help your study. Our University-wide wireless network is free of charge, and covers both campuses as well as University-owned residences.

This network provides you with a wide range of software applications and collaboration tools. With your unique username and password you have access to online resources and services, including email and networked file storage. You also benefit from a free subscription to Office 365 ProPlus.

We have an 'enhanced virtual online learning environment', which gives you online support for learning, studying and collaboration. This 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 libraries are welcoming, comfortable, and have a wide range of information resources in print and online. We provide a flexible study and research environment, with more than 2,500 study spaces across the University with 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, check your library borrowing, renew loans and reserve items using the LibrarySearch online catalogue. We have an expanding range of eBooks, eJournals and digitised images available which can be accessed online, from anywhere in the world, at a time to suit you.

You can access 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. We also offer self-service loans and returns, and access to photocopying and IT services.

## Helpful Staff

Early in your course, you will be given an introduction to our services. 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, and the IT Service Desk which is available by phone, email or in person. The IT Clinic in the Students' Union can also provide you with advice on a range of IT issues.

We hold a programme of workshops, seminars, and training courses which help you to make the most of the resources available to you.

## Student Support Centres

There are Student Support Centres 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 support teams.



## Advice and Money

We offer confidential advice and support on financial, academic and general welfare issues, including financial entitlements to healthcare courses and support with visa and immigration matters.

The Cardiff University Financial Assistance Programme supports over 5,000 students from lower income families through the bursary programme and provides financial support to students who face unexpected financial difficulties, as well as training to improve their financial skills. There are also a number of scholarships from outside trusts and charities. More information can be found on our website.

## Counselling, Health and Wellbeing

We provide confidential counselling and wellbeing support on matters of a personal or emotional nature. 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.

If you have any health concerns, your Personal Tutor or Course Organiser may make a referral to the Student Occupational Health Service if applicable. This confidential service makes an assessment and identifies adjustments which may be needed on medical grounds to help you meet your academic and/or placement requirements. The University also has its own GP Surgery.

## Disability and Dyslexia

We offer advice and support to prospective and current students with disabilities. The team can identify support needs on an individual basis and assist in making reasonable adjustments such as exam arrangements, and liaise with academic staff to make this happen. The service can help you with applications to the Disabled Students' Allowance (DSA) and is home to the accredited Assessment Centre which provides DSA Needs Assessments.

## Study Skills and Mentors

The Academic Study Skills team run classes to help improve your grades or enhance essential study skills, such as: revision, presentation skills, academic writing, critical reading and thinking.

Our Student Mentor Scheme helps you meet some of the challenges of starting university. You are matched with students from the same Academic School who are trained to assist you with adapting to new ways of learning and teaching as well as living away from home.

## Day Care Centre

We can provide full day care facilities for children aged 10 weeks to 5 years, open from 8am-6pm, Monday-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 you if you need your eye sight examined.

## University Chaplaincy

Our Chaplaincy consists of five Christian, two Muslim, one Hindu and a Jewish chaplain at multiple sites around the University. All are available on campus or via the University website. They are here to assist you with any pastoral and spiritual matters.



A range of counselling and well-being support is available



Day care facilities are available to the children of students

## Find out more . . .

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

Email: [studentsupportcentre@cardiff.ac.uk](mailto:studentsupportcentre@cardiff.ac.uk)

Tel: (029) 2087 4844



[www.youtube.com/Cardiffuni](http://www.youtube.com/Cardiffuni)

## CardiffConnected

When I encountered problems during university, Student Support helped immeasurably. Knowing that there was such a committed team helping me was a real comfort and this helped me to get back on track with my studies.

**Victoria**, Graduate, 2016



# Students' Union

Our Students' Union is consistently considered one of the best in the UK\*.

**As a student-led, independent part of the University, the Students' Union is there to represent you and provides a diverse and inclusive range of activities and services, including advice, training, skills development, volunteering opportunities and employment, that promote inclusion, friendship and personal development.**

## Eat, Relax, Study

Our Union is 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 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

Offering more than 200 societies and 60 sports clubs, we do all we can to help you enjoy your time in Cardiff. If you can't 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

We offer 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 can give 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. It offers a professional, confidential and non-judgemental service for all kinds of issues, such as housing, finances and academic issues.

## Shops and Services

You will find a range of shops and services on the ground floor including a coffee shop, a barbers, a bank, a bookshop, 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. Y Plas, 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. The legendary Great Hall, has played host to some of the biggest names in music, from Oasis and Chemical Brothers, to Emeli Sande and Example.

## Student Media

If you've got an interest in media, you can get involved in the our 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*.

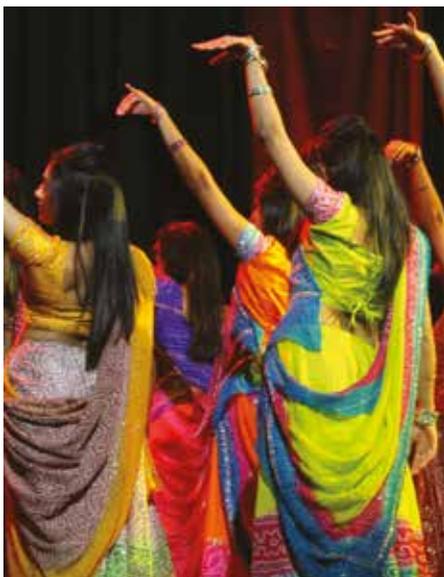


The Union has its own TV and radio stations



Y Plas, the Union's latest venue

\* Which? University Student Survey 2017



More than 180 societies cater for all tastes

## Find out more . . .

Web: [cardiffstudents.com](http://cardiffstudents.com)

 [facebook.com/cardiffstudents](https://facebook.com/cardiffstudents)

 [snapchat.com/add/  
cardiffstudents](https://snapchat.com/add/cardiffstudents)

 [instagram.com/cardiffstudents](https://instagram.com/cardiffstudents)

 [@cardiffstudents](https://twitter.com/cardiffstudents)

 [www.youtube.com/cardiffstudents](https://www.youtube.com/cardiffstudents)

“Cardiff has one of the biggest, best and most active students’ unions in the UK, with high quality facilities.”

**Complete University Guide, 2018**

## Cardiff**Connected**

Jody Tozer (BA 2010) is company director at Bulldozer Films, an independent film company specialising in music videos, short films, documentaries, and television content.

**Studying at Cardiff University really helped me shape what I wanted to do with my career.** Participating in student media helped develop the skills I now use on a daily basis at work. My degree in English and Communication was great, but it was the experience I gained outside study that has led to where I am today.

I was completely won over by the opportunity to participate in the Cardiff Student Media Awards, and work on numerous media outlets such as Gair Rhydd, Quench, CUTV, and Xpress Radio.

The Student Media Awards is one of my favourite memories. It’s a very glamorous event, where students are acknowledged for the work they have done in media outside of their degrees. It’s also a great excuse to get dressed up and have a party.

In the year after I graduated, I undertook some freelance work as a videographer, and participated in a business mentor scheme which helped guide me on the next steps in self-employment.

I now run my own business: Bulldozer Film. I work my own hours, and can be doing anything from marketing to processing funding applications.

I am also a film festival director for the Cardiff Mini Film Festival and Ffresh Student Media Festival of Wales – I take part in every part of the production process for each.

I will always remember my university experience as some of the best years of my life. I’m so glad I went. I started as a mature student – around nine years older than my peers – but I felt completely at home. Cardiff University was the platform for me to realise my future.



# Sport

We have four main centres for sport across the University campus:

## Sports Training Village – Talybont

Conveniently located at one of our major student residences, a short walk from the main campus, you'll find multipurpose sports halls and range of indoor facilities including a futsal court, fitness suite, conditioning room, squash courts 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 and Conditioning Centre – Park Place/Senghennydd Road

Located at the heart of the main campus, facilities include a fitness suite with cardio and resistance equipment. Our friendly and personal approach to health and fitness includes personal training, individual programme design, fitness testing and nutrition advice.

There is a dedicated strength and conditioning provision featuring Olympic-based and functional training equipment, designed for elite athletes, maximising their potential and competitive edge. You'll find Olympic lifting platforms, a sprint performance track, benches and dumbbells. Used by international teams, including the New Zealand and Australian rugby teams, the Centre is suitable for all abilities from beginners through to professional athletes.

## Studio 49 – Park Place

Located opposite the University's Main Building, Studio 49 is a large mirrored dance studio with a wide range of fitness classes. On offer are classes from spin to zumba, yoga and pilates to step aerobics.

## Sports Fields – Llanrumney

33 acres of first-class grass pitches (one floodlit) at this outdoor sport complex. This facility has also welcomed many travelling international rugby and football squads for training.

In addition to the grass pitches, the site also has a full-size 3G match pitch. The floodlit, all weather surface, is FIFA and IRB approved and includes a stand and warm-up area, so sport can take place throughout the year.

## Sports Clubs

You have 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 against other universities. Cardiff competes at the very highest level, with eight clubs taking part in the BUCS Premier League. In 2016/17, we ranked in the top 11 UK universities competing in the BUCS competition.

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

You have the potential to develop your sporting career at the highest level whilst studying at Cardiff University. Financial awards can assist with training, travel and other expenses, and a comprehensive support programme ensures that you have the necessary environment to excel in your given sport. Areas of support include; physical preparation such as physiotherapy, sports massage and strength and conditioning coaching, lifestyle management and academic support.

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

Cardiff University is ranked 11<sup>th</sup> in the British University and College Competition (BUCS).



## Sports Clubs include:

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



The Fitness and Conditioning Centre has a full range of Olympic-based functional training equipment



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

## CardiffConnected

Heather Knight OBE (BSc 2012) is captain of the England cricket team.

**I started to fall in love with cricket when I was about six years old.** I spent most of my childhood playing in the boys' and men's teams, but didn't really view cricket as a potential career path until I'd spent four years playing for England and professional contracts came in.

I wanted to go to a university with an MCCU cricket academy. Having visited Cardiff for an open day, I felt it had a really good vibe and I knew I would enjoy my time there. I was particularly interested in Physiology, and Cardiff has a very strong Bioscience department.

Midway through my degree, I was called up for England's tour of India. After India, I was frequently on tour for months at a time, meaning I had to study a lot of the lectures remotely.

## CardiffConnected

Lewis Oliva, Current British Sprint Champion.

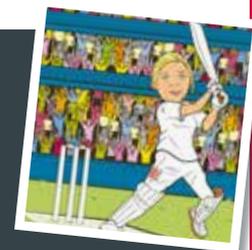
**I chose Cardiff University primarily due to the pedigree of its medical school.** I knew they had fantastic facilities and an innovative curriculum which excited me. My first year was a blast, studying full-time and also training in the Newport velodrome every day. I was pleasantly surprised and overwhelmed at how supportive the university have been with me, allowing me the necessary time out from the course to compete on the world stage. As a result, it was nice to give something back by becoming the first person from Cardiff University to win BUCS sportsman of the year.

Since enrolling at Cardiff University I've been fortunate enough to become British champion and

I also had to take some of my exams in the re-sit periods. The department were always brilliant with allowing me extended time for assignments, and remaining flexible; I think it helped that my Personal Tutor was cricket-mad!

My Cardiff degree made me see things outside the sporting world from a different perspective.

There's an opportunity for everyone to get involved in cricket. It's a very social game and there's a place for everyone at some level, as well as the opportunity to mix with a variety of people that you might not otherwise meet. I met some great people through Cardiff University's cricket club and I am still friends with some of them today.



perform consistently on the world stage, winning a number of World Cup medals. The Commonwealth Games presents a huge opportunity to top this season off - it's always extra special to pull on the Welsh jersey, a proud moment for any Welshman.

Balancing four hours a day of training around full-time studying isn't easy but when you enjoy what you do, it makes it worthwhile. The course is time consuming and it is a balancing act fitting in studying and revising in between sprint efforts! Lucky for me, my fiancée helps me keep my head above water - not to mention help take the stress off planning a wedding this summer!!

# Students from Around the World

Over 7,000 students from more than 100 countries choose to study at Cardiff University. A friendly welcome starts from your very first enquiry.

## Before Leaving Home

You have 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 help if you have a question or need advice. Cardiff is one of the very few universities that offers our 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.

## 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. You will be met by University staff who help you get to your accommodation and answer any questions you have on the way.

### Induction Programme

The International Student Induction Programme takes place in September and January and includes events and activities that 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.

You can also 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 including your Personal Tutor, Student Advice Centre and Careers Centre. Our International Student Support Team has specialist 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 are many societies run by international students. They arrange cultural and social events throughout the year, making your time at Cardiff University as enjoyable as possible.

### 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 that helps you find casual work on campus and throughout the city.

### Alumni

Your relationship with Cardiff University does not end at graduation. You will be able to 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. 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

If you are a self-financing student, you can, at no extra cost, pay tuition and accommodation fees in three equal instalments 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. The estimated living expenses for a single student living in University-owned self-catered accommodation during term time (nine months) is £8,749.



There are over 7,000 international students at Cardiff University

## Entrance Requirements

The academic entrance requirements 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](mailto: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

You must have a standard of written and spoken English that will enable you to benefit fully from your course. 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:** An overall score of 6.5 with at least 5.5 in each sub-score 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/4 or above.

### Trinity ISE II/III:

II - at least two distinctions and two merits

III - at least a pass in all components.

\*In addition to the overall grade you may be required to achieve a certain level in sub-scores.



Cardiff graduates have excellent career prospects

## 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](http://www.cardiff.ac.uk/elt)

## International Foundation Programme

This programme offers automatic progression to a range of degrees 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](http://www.cardiff.ac.uk/ifp)

## In Your Country

### Education Exhibitions

Members of staff regularly attend overseas exhibitions and would be very pleased to meet you to discuss your application and answer 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 assistance when applying to study at Cardiff. To find out if there's an adviser near you, visit:

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



## CardiffConnected

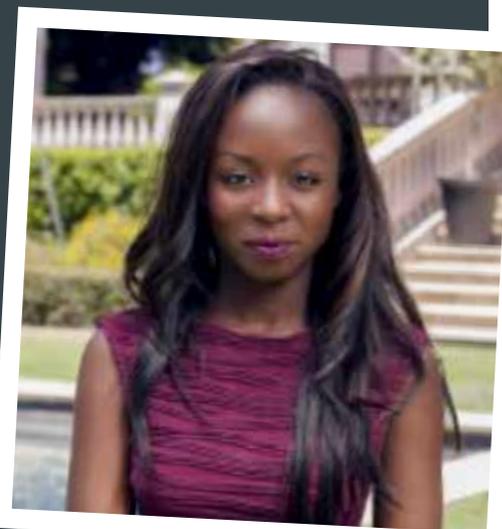
Tanla Hablmana is the creator and host of African TV show Tailored Business where she interviews entrepreneurs and fits them for a suit.

**After I left Cardiff, I spent time in Milan, and then started working for the Dutch menswear company, Suitsupply.** I learned more about fabrics, suits and the art of tailoring than I ever expected. Suitsupply wanted to expand into Africa, so I relocated to Johannesburg. While there, I was headhunted by a South African news crew, who had spotted an interview I had done on TV. It got me thinking about how I could merge my role at Suitsupply with my newfound passion for telling the 'African business story'.

Every day, I was fitting really successful and interesting business people for suits. I'd leave each meeting with a wealth of new knowledge and business tips and that's how Tailored Business was born.

Coming to Cardiff University was the first time I'd lived alone. I found the Welsh capital bustling and lively.

I love what I do. I meet people who are making a huge impact in so many different fields. I've had coffee with the CEO of Java House, made a suit for the founder of Jamia and met Peter Okoye from Psquare, one of Nigeria's most famous bands.



## 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](http://www.cardiff.ac.uk/international)

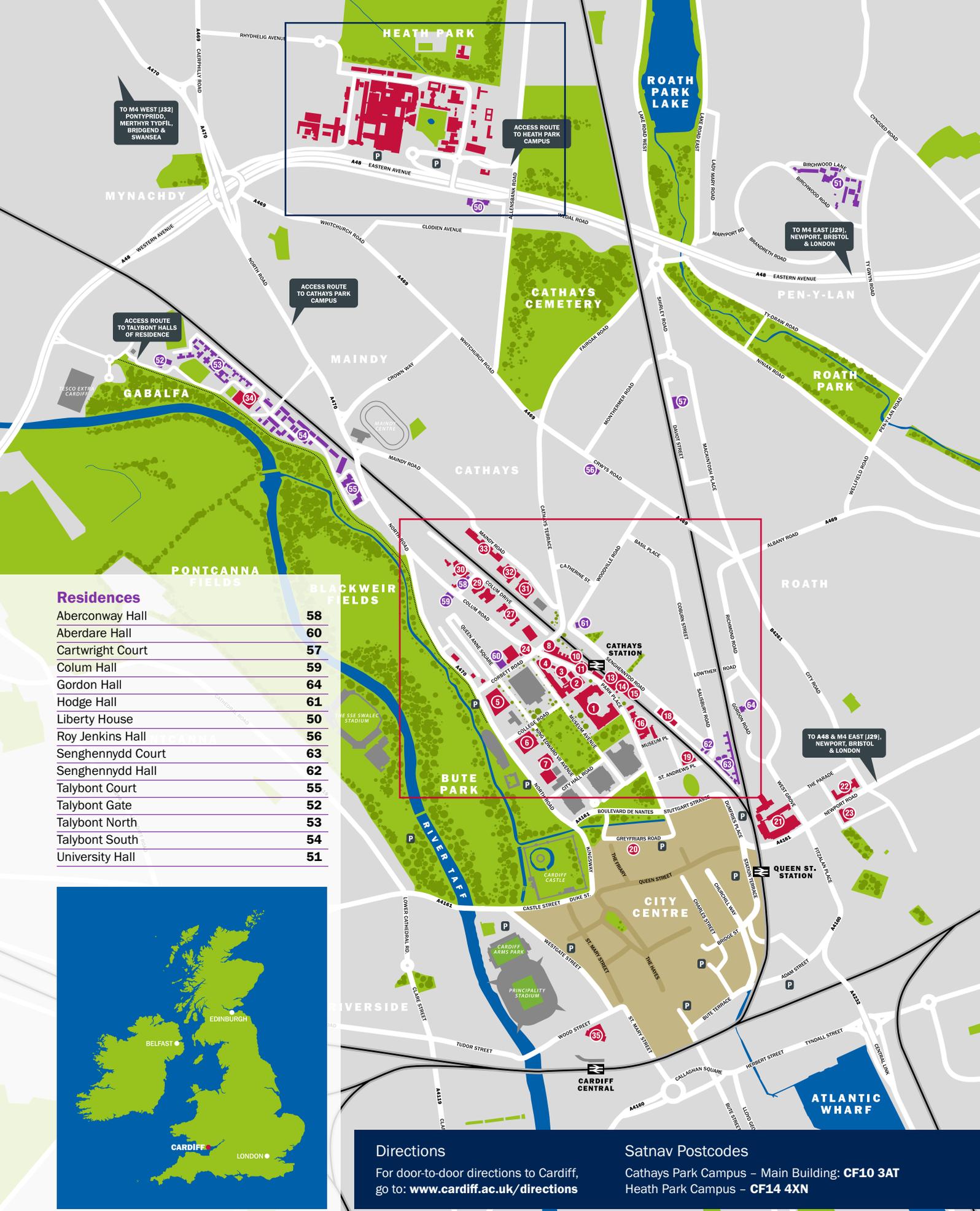
If you have any questions, please contact one of the educational advisers, or the International Office, and we will be happy to help you:

Tel: **+44 (0)29 2087 4432**

Email: [international@cardiff.ac.uk](mailto:international@cardiff.ac.uk)

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

 [www.youtube.com/  
cardiffinternational](https://www.youtube.com/cardiffinternational)



**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

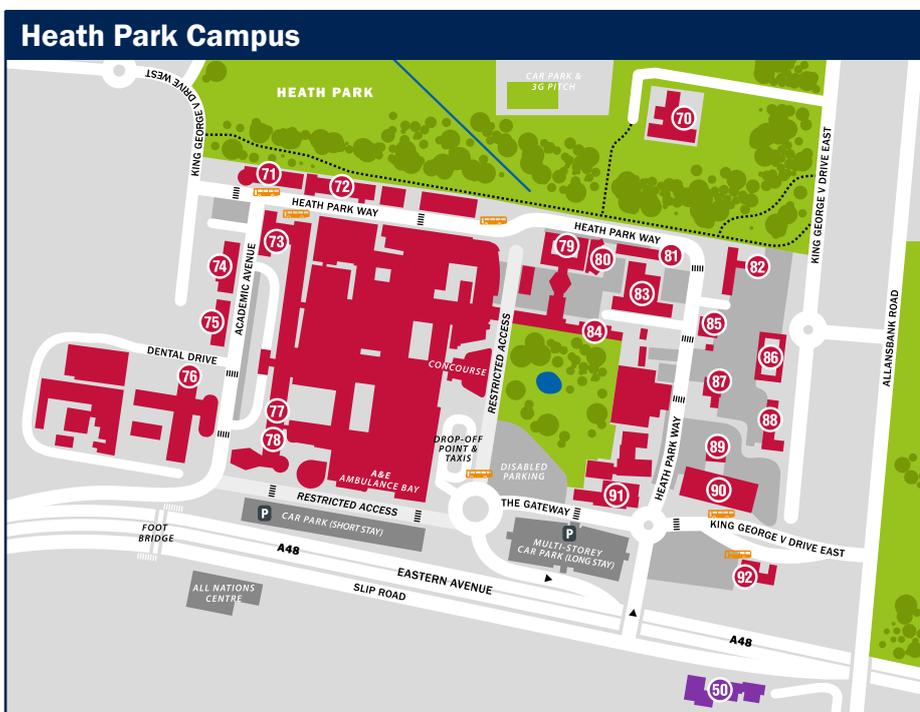
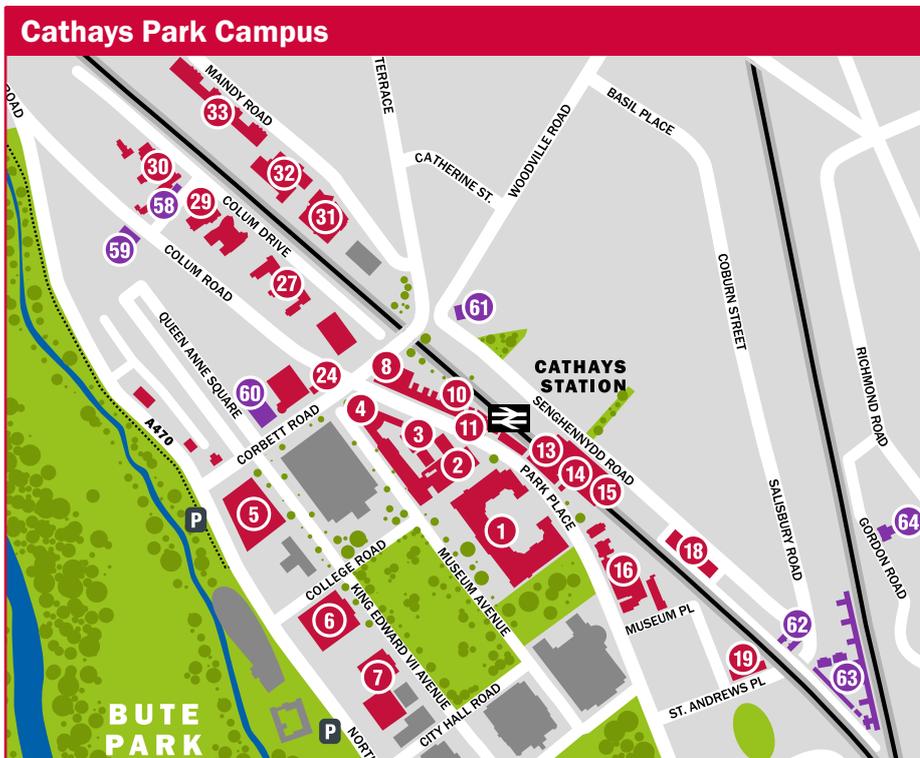


**Directions**  
 For door-to-door directions to Cardiff, go to: [www.cardiff.ac.uk/directions](http://www.cardiff.ac.uk/directions)

**Satnav Postcodes**  
 Cathays Park Campus – Main Building: **CF10 3AT**  
 Heath Park Campus – **CF14 4XN**

# Location - Campus Maps

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



## Cathays Park Campus

Aberconway Building	30
Architecture	6
Biosciences	1, 2
Business School	30
Bute Building	6
Careers and Employability	11
Chaplaincy	10
Chemistry	1
Computer Science and Informatics	21
Cardiff University Brain Research Imaging Centre (CUBRIC)	33
Day Care Centre	16
Deri House	19
Earth and Ocean Sciences	1, 22
Eastgate House	22
Engineering	21
English, Communication and Philosophy	27
Eye Clinic	31
Friary House	20
Geography and Planning	7
Glamorgan Building	7
Global Opportunities Centre	11
Hadyn Ellis Building	32
Health Centre	13
Healthcare Sciences	22
History, Archaeology and Religion	27
International Office	19
John Percival Building	27
Journalism, Media and Culture	35
Julian Hodge Building	29
Law	4
Main Building	1
Mathematics	18
McKenzie House	23
Modern Languages	8
Music	24
Optometry and Vision Sciences	31
Pharmacy and Pharmaceutical Sciences	5
Physics and Astronomy	21
Politics and International Relations	4
Psychology	3
Queen's Building	21
Redwood Building	5
Registry	23
Security Centre	2
Sir Martin Evans Building	2
Social Sciences	7
Southgate House	34
Sports	34, 15
Student Recruitment	20
Student Support Centre	11
Students' Union	14
Tower Building	3
Trevithick Building	21
Welsh	27

## Heath Park Campus

Cardigan House	84
Cochrane Building	83
Dental School/Hospital	76
Healthcare Sciences	79
IV Lounge	81
Medicine	78
Neuadd Meirionnydd	81
Michael Griffith Education Centre	80
Nursing and Midwifery	79
Sports and Social Club	91
Tŷ Dewi Sant Building	79

# Degree Programmes

by Academic School

Architecture	42-44
Biosciences	45-51
Business	52-56
Chemistry	57-59
Computer Science and Informatics	60-62
Dentistry	63-66
Earth and Ocean Sciences (including Marine Geography)	67-71
Engineering	72-76
English, Communication and Philosophy	77-81
Geography and Planning	82-85
Healthcare Sciences	86-91
History, Archaeology and Religion	92-95
Journalism, Media and Culture	96-98
Law	99-102
Mathematics	103-106
Medicine (Medical Pharmacology)	107-112
Modern Languages	113-117
Music	118-120
Optometry	121-123
Pharmacy	124-126
Physics and Astronomy	127-130
Politics and International Relations	131-133
Psychology	134-136
Social Sciences	137-140
Welsh/Cymraeg	141-143

## Statistics

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

- Student Satisfaction is based on the results of the National Student Survey 2017.
- Graduate destinations statistics are based on HESA Destination of Leavers of Higher Education, 2015/16.
- 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.

**96%** 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.

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

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 as international standard with **75%** classed as "**internationally excellent**" or "**world leading**".\*

## 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 Art/Design subjects, with other Science/Maths or Humanities subjects.

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.

#### 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 an 8-page electronic portfolio 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 further information.

## Applications Information

Typical places: 130    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 Enquiries: **Anwen Cook and Kelly Butt**

Tel: (029) 2087 5963

Email: [architecture-ug@cardiff.ac.uk](mailto:architecture-ug@cardiff.ac.uk)



@WSofArchi



wsolfarchi

**We have an outstanding international reputation for our teaching and research.** The School is ranked 39th in the 2017 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 Guide.

## Careers

### Job roles

Architect, urban designer, researcher and project manager.

### Employers

Architectural practices, local government technical/environmental departments, construction companies and universities.

## 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** Architecture



## 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 postgraduate 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. The three year BSc is a complete programme in its own right for those who wish to have a design-based education. In addition, the BSc programme can lead to entry onto the MArch programme, provided you obtain a 1st, 2.1 or 2.2 class degree and your marks for design work are at least 55%.

### 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.

2. Lecture-based modules which support project work. 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 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 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

Examinations are normally held at the end of the year.



# Biosciences



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.\*

We are home to the **Welsh Centre for Anatomical Education**.



Coleg  
Cymraeg  
Cenedlaethol

Certain opportunities for some Welsh medium provision are available in the School.

To find out more visit:

[www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

**85%** 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**”.\*

\*See page 40 for details of statistical sources.

## Degree Programmes/ UCAS Codes

### Single Honours

#### Biological Sciences BSc

(3 years)	C100
(4 years*)	C101

#### Biochemistry BSc

(3 years)	C700
(4 years*)	C701

#### Biomedical Sciences BSc

(3 years)	BC97
(4 years*)	BC9R

#### Neuroscience BSc

(3 years)	B142
(4 years*)	B143

#### Biological Sciences MBiol

(4 years)	L9Y7
(5 years*)	6FK9

#### Biochemistry MBiochem

(4 years)	386N
(5 years*)	873C

#### Biomedical Sciences MBiomed

(4 years)	51T8
(5 years*)	52G9

#### Neuroscience MNeuro

(4 years)	37JL
(5 years*)	4K5G

\*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 degree titles below 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.

## Applications Information

Typical places: 400

Typical applications: 2,000

## 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](mailto:bioscience-ug@cardiff.ac.uk)

Tel: 029 2087 4296

The School of Biosciences has an international reputation for its teaching and research, and offers one of the top researched 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, biochemical and neurobiological 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 we offer – 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 city 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.

## CardiffConnected

“After graduating in English Literature, I successfully applied for a place on Cardiff’s Zoology course in order to pursue my dreams of becoming an environmentalist. The skills I developed through my Zoology degree and extra-curricular activities whilst at Cardiff University have been integral to building my career to date.”

**Clare** Marine Biologist



## 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, biomolecular and neurological subjects are 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 One and Two), 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.

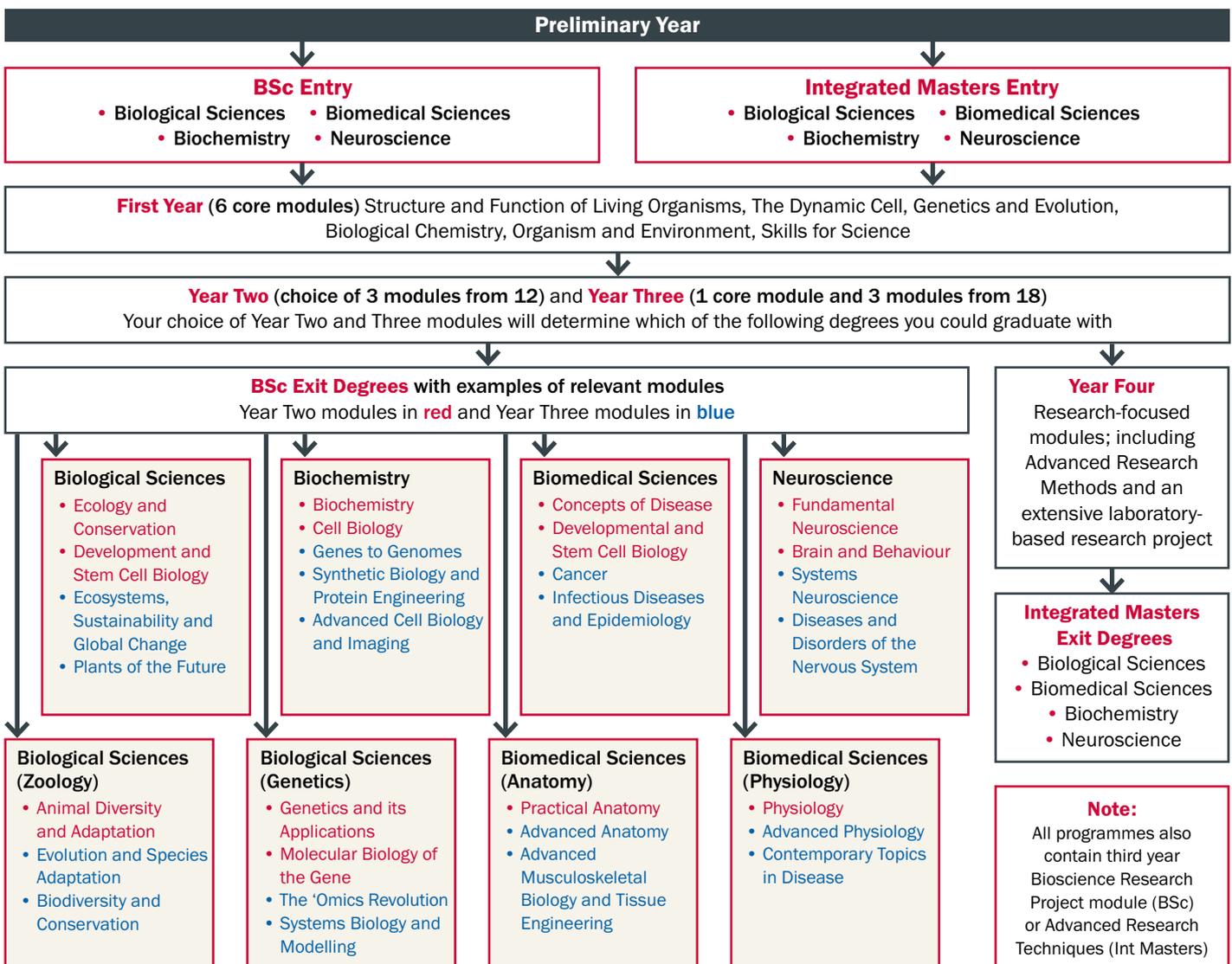
You will study the modules listed below:

- 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 third 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 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 One and Two 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 we offer 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 our 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. We have 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.



Tropical Biodiversity Assessment Field Course in Borneo

If you would like to study BSc Biological Sciences (Zoology), 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 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 owing 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 our 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 we make 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 Co-ordinators 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 us. 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 our 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 our cutting-edge research.



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

# Business



We are one of only 12 Business Schools in the UK that are both **AACSB Accredited** and a member of the **Russell Group**.



**92%** of our graduates are in employment and/or further study six months after graduating.\*

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.

We are ranked among the **world's top 100** universities for Business and Economics in the 2017/18 Times Higher Education World University rankings by subject.

We ranked among the **world's top 100 universities** for Business and Management and Accounting and Finance in the 2017 QS World University Rankings by subject.

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

## Degree Programmes/ UCAS Codes

### Single Honours

<b>Accounting BSc*</b>	N400
<b>Accounting and Finance BSc*</b>	N490
<b>Business Management BSc*</b>	N201
<b>Business Management (Human Resources Management) BSc*</b>	NN26
<b>Business Management (Marketing) BSc*</b>	NN25
<b>Business Management (Logistics and Operations) BSc*</b>	N291
<b>Business Management (International Management) BSc*</b>	N202
<b>Accounting with a European Language BSc</b> (with French) N410 (with German) N4R2 (with Spanish) N4R4	
<b>Business Management with a European Language BSc</b> (with French) N290 (with German) N1R2 (with Spanish) N1R4	
<b>Business Management with Welsh BSc</b>	NQ26
<b>Economics with a European Language BSc†</b> (with French) L160 (with German) L1R2 (with Spanish) L1R4	
<b>Business Economics with a European Language BSc</b> (with French) L1R9 (with German) L1RX (with Spanish) L1RY	
<b>Banking and Finance with a European Language BSc</b> (with French) N3R9 (with German) N3R2 (with Spanish) N3R4	
<b>Banking and Finance BScEcon*</b>	N300
<b>Business Economics BScEcon*</b>	L114
<b>Economics BScEcon*†</b>	L100
<b>Economics and Finance BScEcon*†</b>	LN13
<b>Joint Honours</b>	
<b>Economics and Management Studies BScEcon*</b>	LN12
<b>Economics and a Humanities Subject</b> See page 146	
<b>Business Studies and Japanese BSc</b>	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.

### All Degrees

**GCSE requirements** (or equivalent):

- Maths at grade B or grade 6.
- English at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

## Applications Information

Typical places: 600    Typical applications: 3,500

### 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:

Tel: (029) 2087 5755

Email: [business-ug@cardiff.ac.uk](mailto:business-ug@cardiff.ac.uk)



[Facebook.com/BusinessCardiff](https://www.facebook.com/BusinessCardiff)



[@Cardiffbusiness](https://twitter.com/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 high quality 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 high quality 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 for 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.

We are an international institution and support a host of global opportunities for our students. You can spend part of your degree studying at

## 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.

## 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** BSc Business Management



one of our partner universities in places like Australia, Hong Kong, USA and Europe.

Studying abroad provides you with the opportunity to gain a different perspective on academic and social issues and begin building your network to help accelerate your career after graduation.

## 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, we are 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 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 for 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.

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 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.

- 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



We have outstanding facilities, including a fully-equipped Trading Room

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.

## Business Management with Welsh

From 2018, Business Management may be studied alongside Welsh. This innovative and modern course is designed to combine the main elements of a Business Management degree with the study of the Welsh language and its culture, preparing students for opportunities within the changing labour market in Wales.

Graduates who have high-level skills in both Business Management and Welsh are in high demand. As Cardiff is the political, business and media capital of Wales, studying the programme will enable you to take advantage of the close links that we have with industry.

## 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 extra-curricular 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.



Cardiff Business School offers sophisticated lecture theatres and study zones

## 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.

The Business Management, Accounting and Economics, Accountancy and Management and Finance and Management programmes are subject to an ongoing review, which may result in changes. Therefore, please check the website for the latest information and course availability.

## 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 throughout the year.

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

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

# Chemistry



All of our undergraduate degree programmes are **accredited** by the **Royal Society of Chemistry**.

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

Our research community has over **50 postdoctoral scientists** and **100 postgraduate research students**, and is supported by national and international funding bodies.

**90%** of our students were satisfied overall.\*

Our **highly specialised research facilities** and equipment enable research in all branches of core and interdisciplinary chemistry.

**97%** 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

**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

**Chemistry with a  
Preliminary Year BSc** (4 years) F105

### 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:** Typical offers would be in the range of AAB-BBB to include a B grade in Chemistry and pass in the practical element, where applicable.

**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 a minimum of a 5 in Chemistry at the Higher Level.

**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

AstraZeneca Pharmaceuticals, 3M, Cadbury's, International Patent Office, Johnson and Johnson and the Ministry of Defence.

## Applications Information

Typical places: 160    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 Paul Newman**

Tel: (029) 2087 0464

Email: [chemistry-ug@cardiff.ac.uk](mailto:chemistry-ug@cardiff.ac.uk)



CardiffSchoolofChemistry



@CU\_Chemistry



cardiffchemistry

**All of our laboratories have 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, which is where your final year research project will be undertaken.

## CardiffConnected

"I'm a 3rd year chemistry student at Cardiff University, I'm on the MChem with a year abroad programme and have just spent the last 8 months working in a lab in Toulouse in the south of France, where I have been studying peptides that are believed to be closely linked to the cause of Alzheimer's disease. I have had a fantastic time and I would suggest a year abroad to anyone, it is an incredible opportunity. Next year I will return to Cardiff for my final year to join a new project featuring antibiotic resistant bacteria. I have thoroughly enjoyed my time at Cardiff; it is a brilliant university and a great city for students."

**Megan** MChem Chemistry with a Year Abroad



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.

### 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, 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, up until the end of the second year of the course.

### MChem Degree Programmes

Our flagship four-year MChem programmes are designed for those intending to pursue a professional career in Chemistry, either in an academic or industrial environment, in general scientific research or in 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.

### 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, fluoroscimeters and X-ray photon spectrometers 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. Students without a suitable grade in A-level Mathematics must also take a module in mathematical methods.

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.



Teaching methods include lectures and practical classes

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.

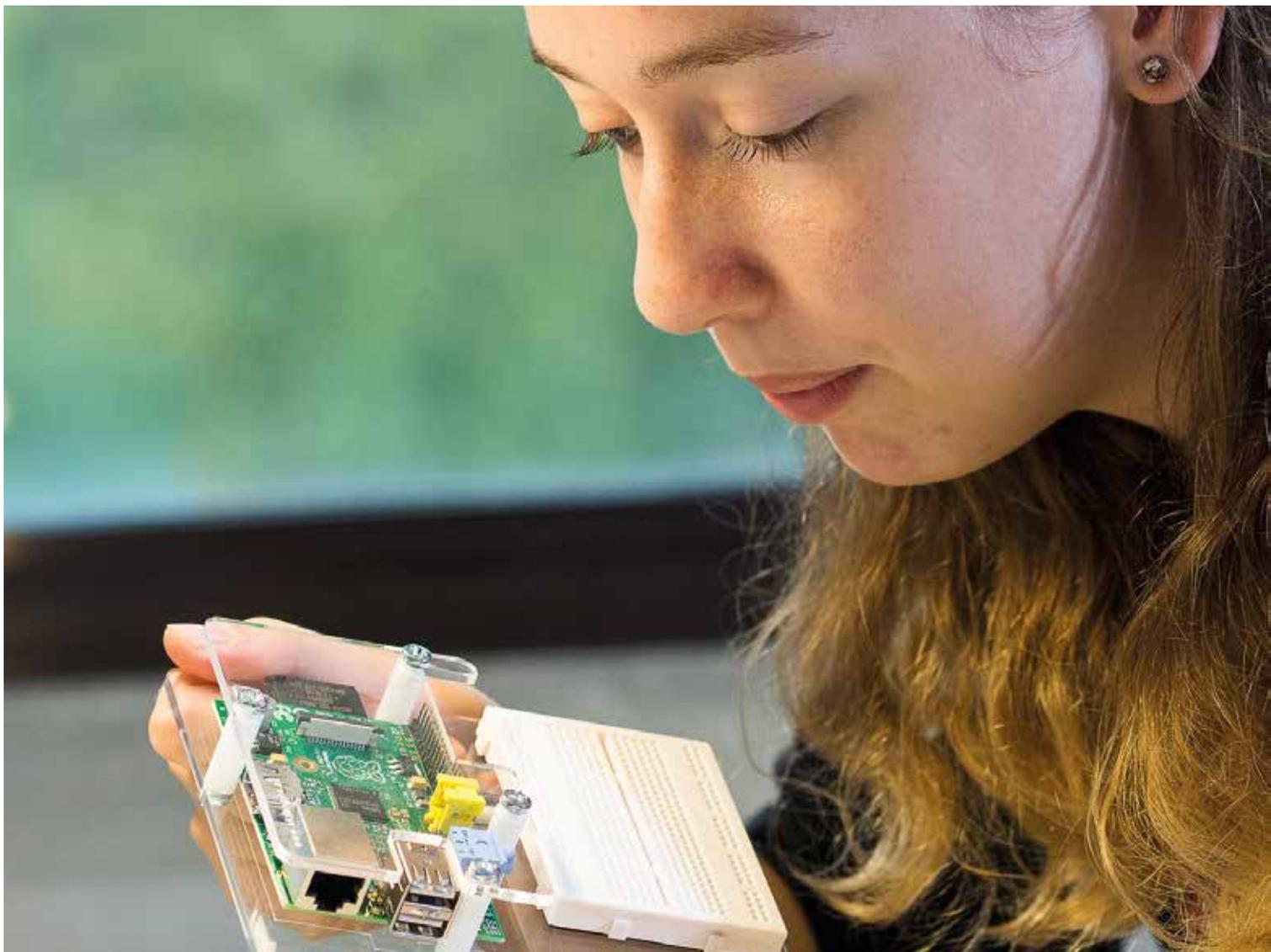
### Assessment

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.

# Computer Science and Informatics



We work alongside the **British Computer Society** (BCS) to ensure that our degrees are relevant to the latest demands in industry.

**93%** 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.

You will gain experience of your subject in a new environment and culture by opting to take a **year studying abroad**.

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

Our learning resources are consistently praised by our students; **96%** agree they can access specialised equipment, rooms and facilities when needed.\*

## 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) GKGL

**Computer Science with High Performance Computing with a Year of Study Abroad BSc** (4 years) 211V

**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 Security and Forensics with a Year of Study Abroad BSc** (4 years) 125V

**Computer Science with Visual Computing BSc** (3 years) G4G7

**Computer Science with Visual Computing with a Year in Industry BSc** (4 years) GKG7

**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) 126V

## Typical Entry Requirements

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

**A-level:** AAB-ABB. Computer Science with Visual Computing requires A-level Mathematics. General Studies A-level is not considered. All with a Year of Study Abroad options require A-level 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:** 33 points. A 5/6 in Maths at Higher level is required for Computer Science with Visual Computing.

**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 for BSc Computer degrees.
- 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: 215    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 Tutor:  
**Dr James Osbourne**

Tel: (029) 2087 4767

Email: [comsc-ug@cardiff.ac.uk](mailto:comsc-ug@cardiff.ac.uk)

 [Facebook.com/CompScienceCU](https://www.facebook.com/CompScienceCU)

 [@CompScienceCU](https://twitter.com/CompScienceCU)  
[@CUSoftAcademy](https://www.instagram.com/CUSoftAcademy)



Individual and group project work can involve writing applications on a variety of platforms and operating systems

## 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.

## CardiffConnected

“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** 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 Computer Science 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 this degree is that theory, teaching and learning will be delivered through real world software development projects. Students work individually and in teams to manage, design, code, test and maintain high quality software.

**Year One** You will learn to think like a programmer and code like a programmer - working primarily with Java™ and Python. You will design, develop and launch real mobile and web applications, according to the needs of your customers. You will learn how to use industry-standard tools that are used by real-world developers, following best-practice to develop quality software.

**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 emerging trends, and use them to develop a product with an appreciation of the latest languages, frameworks and tools. You may collaborate with other development teams and will lead customer meetings as part of the Large Team Project.

The final year builds upon the experiences of Years One and Two, and brings together all of the elements you will need in order to think and work as a commercial software engineer.

### 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.

A **full NHS bursary**, including tuition fees and a non-repayable bursary for living costs, is available for BSc Dental Therapy and Hygiene students and DipHE Dental Hygiene students.

**92%** of our students agreed that staff were good at explaining things.\*

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

We have one of the **strongest** BDS employability records among our competitor dental schools in the UK – in 2016, **100%** of our BDS students secured a Dental Foundation Training placement.

**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

**Dentistry (BDS)** (5 years) A200  
(6 years) A204

**Dental Hygiene (Diploma)** (2 years) B750

**Dental Therapy and  
Dental Hygiene (BSc)** (3 years) B752

**Dental Nursing  
(Certificate)** (2 years) (Direct Entry)

### Accreditation

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

## Open Days

Cardiff University organise four Undergraduate Open Days every year. You will have the opportunity to visit the Dental Hospital during weekday open days. 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 owing to NHS Health and Safety Regulations, however you can book a tour on the Friday before each Saturday Open Day. Further information is available on our website: [www.cardiff.ac.uk/dentistry](http://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.

## Typical Entry Requirements

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

### Bachelor of Dental Surgery (BDS)

**GCSE/IGCSE:** 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 they apply: [www.ukcat.ac.uk](http://www.ukcat.ac.uk)

### Dental Therapy and Hygiene (BSc)

At least five GCSEs/IGCSEs with minimum acceptable grade being grade C/grade 4. The GCSEs must include GCSE/IGCSE English Language/Welsh (First) 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

OR

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.

**International students are not eligible to apply for this course.**

### Dental Hygiene (Diploma)

At least five GCSEs/IGCSEs with minimum acceptable grade being grade C/grade 4. The GCSEs must include GCSE/IGCSE English Language/Welsh (First) 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.

OR

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 students are not eligible to apply for this course.**

## Applications Information

<b>BDS</b>	Typical places: 70	Typical applications: 700
<b>Hygiene and Therapy</b>	Typical places: 30	Typical applications: 550

## 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 Robert McAndrew**

Tel: (029) 2074 6917/2468

Email: [DentalUGAdmissions@cardiff.ac.uk](mailto:DentalUGAdmissions@cardiff.ac.uk)



@CardiffDental

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).

### 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.

### 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 most Fridays 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 clinical 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



We use a variety of methods to enrich your learning experience

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, we have 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 foundation training for one year whatever branch of dentistry they choose.

## CardiffConnected

"I'm a fifth 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** BDS Dentistry



## Dental Hygiene and Dental Hygiene and Therapy Programmes

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 practising Dental Hygienist and Dental Hygiene/Therapist's 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



Your skills will be developed in the School's refurbished £2.2M Clinical Skills Laboratory

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 tasks for example, fillings for both children and adults.

### Certificate of Higher Education in Dental Nursing

The Certificate of Higher Education in Dental Nursing is an exciting and unique opportunity to study for an academic qualification.

Essential practical skills and experience are developed within a designated clinical placement. The course will provide you with the necessary skills and knowledge to enable you to work competently and professionally as a registered dental nurse in a wide and varied range of clinical areas.

You must possess an appropriate level of manual dexterity and demonstrate attention to detail. It is essential you have very good verbal and written communication skills and are able to work as part of a professional team.

### Teaching

You will be taught by an experienced and dedicated team of expert tutors.

### Programme Structure

This is a two-year part-time programme of study. Prior to course commencement you will undertake a four week preparatory course for the clinical practice programme that prepares and orientates you for the transition to the clinical environment.

This programme places heavy emphasis on you gaining clinical experience to enhance your practical skills and knowledge whilst working alongside and with other members of the dental team. You will be placed in a clinical practice environment, and are required to attend a clinical placement for 14 hours per week (two days) and spend one day at the Dental Teaching Unit, to receive the underpinning theory and gain practical experience through simulated training.

During Year Two, you will undertake clinical experience within secondary care at the Dental Hospital. During this time you will be expected to gain experience working in a variety of differing specialist clinics.

### Placements

You will be allocated an authorised clinical placement for the duration of the course. In your clinical placement you will be supported by a trained clinical supervisor. You will also have the opportunity to gain clinical experience in the Dental Hospital.

### Your Career

As a dental nurse you will work closely with other members of the dental team. You will be able to work within the hospital setting, community clinics and in General Dental Practices.

You will also, with further training, potentially be able to undertake extended duties.

# 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.

**90%** of our graduates are in employment and/or further study six months after graduating.\*

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.

**82%** of our students were satisfied overall.\*

We are located within the University's Main Building with its recently refurbished teaching facilities.

**99%** of our submitted research rated as 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 MSci

(4 years)	F645
(4 years) (International)	F647

#### Environmental Geography BSc

(3 years)	K32H
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#### Environmental Geography MSci

(4 years)	Y32M
(4 years) (International)	2L4D

#### Exploration and Resource Geology BSc

(3 years)	F621
(4 years) (Professional Placement Year)	F622

#### Exploration and Resource Geology MSci

(4 years)	F623
(4 years) (International)	F624

#### Geology BSc (3 years)

F600

#### Geology MSci (4 years)

F601

(4 years) (International)

F602

#### Marine Geography BSc

(3 years)	F841
(4 years) (Professional Placement Year)	F842

#### Marine Geography MSci

(4 years)	1D79
(4 years) (International)	4J26

## Typical Entry Requirements

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

**A-level: BSc:** BBB

**MESci:** ABB

**MESci (International):** AAB

**All programmes:** At least two A-levels should be a science (Geography, Geology, Biology, Chemistry, Physics, Environmental Studies, Applied Science, Archaeology, ICT, Computing, Sports Science, PE and Psychology). If your A-level Biology, Chemistry or Physics includes a practical element, we require a pass grade in that component.

**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:** 30 points

**MESci:** 32 points

**MESci (International):** 34 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: 160

Typical applications: 800

## 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 Jennifer Pike**

Tel: (029) 2087 4830

Email: [earth-ug@cardiff.ac.uk](mailto:earth-ug@cardiff.ac.uk)

 @CU\_Earth

## 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**, 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 work on projects in your own time.

## CardiffConnected

“Studying Exploration and Resource Geology at Cardiff University was a fantastic experience. The staff are deeply knowledgeable and passionate about their subjects, and it was a pleasure to learn in such a stimulating environment. On top of an excellent education they were also able to provide me with industry links that kick-started my career. Cardiff itself is a great city in a top location: geology provides many opportunities to travel, but it’s always nice to have beaches and mountains on your doorstep too.”

**Charlie** Exploration and Resource Geology



## The School continues the great tradition of excellence in earth and ocean sciences teaching and research in Wales.

The student experience is enhanced by our internationally recognised research work. Leading earth and ocean scientists from a variety of disciplines, involved in national and international research programmes, teach on all of our degree programmes.

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 classic localities, as well as a residential field course before the Easter vacation.

The marine perspective is provided by training on-board our 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 planet earth covering the solid earth, plate tectonics and geodynamics and also earth surface processes which considers the oceans and their influence on climate, ocean floor geography, landscape 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 may only be appropriate for some degree programmes.

Typical subjects include:

- **Planet Earth:** the solid earth, plate tectonics, geodynamics
- **Earth Surface Processes:** the surface of the earth, weather, climate, water and the role of oceans in climate change, landscape, the biosphere and the sedimentary system
- **Dangerous Earth:** climatic and geological hazards from a human perspective, managing the social impact of hazards
- **Geographical Information Systems (GIS):** using digital technology to map spatial data, produce posters and presentations
- **History of Life:** ecological systems and principles, diversity, evolution and the fossil record
- **Georesources and Energy:** exploration, exploitation and production economics of resources, the world's energy, trade
- **Earth Materials:** formation and description of the main rock types, igneous, metamorphic and sedimentary
- **Geological Maps and Structures:** geological maps – theoretical and real, structures and spatial data
- **Chemistry of the Environment:** chemistry of the Earth's surface and waters
- **Biological Environments:** marine and terrestrial ecosystems
- **Geographical Data Analysis:** statistics and techniques needed to explain data
- **Science and Policy for Geographers:** the evidence needed for policy makers, legislation and regulation
- **Fundamentals of Environmental Geography:** geomorphology, climate change, biodiversity and the human impact on all three
- **Exploring the Oceans:** marine maps, charts and surveying.

During the first semester you may decide to transfer to one of our other degree programmes within the School. 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 reconstruct environments from the distant past, so that you are equipped to understand current Earth processes. 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 or geoecology.



Guiding Light, the School's research vessel

In the third year, you complete your project, presenting a professional report and giving a seminar. You will study Engineering Geology, Geohazards and Environmental Case Studies, as well as a variety of optional topics of your choice such as groundwater science, environmental management and policy, evolutionary geoecology or geomorphology.

### 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 Alps to further your understanding of the likely impact of

climate change on this environment, and its geomorphology, water balance, biodiversity, 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 humankind. 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 systems, marine ecosystems, and also coastal processes leading into 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.

You can choose to study specialist options in e.g. isotopes, volcanological processes, sedimentology and structural geology. You can also study other applied geological topics such as applied mineralogy, geohazards and engineering geology.

## 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 student-led and cover Numerical Modelling in the earth and ocean sciences and either how planet earth was built or the science and impact of climate change, depending upon whether you are more interested in the geological or geographical aspects of the subject.

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



Fieldwork is an important part of our courses

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](http://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.

# Engineering



## Ranked #1

Our research in Civil Engineering was **ranked first in the UK for quality**. (REF 2014)

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.

Our students are **reigning UK Formula Student Champions**, and the first British winners of the overall competition.

**95%** 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**”.\*

## Degree Programmes/UCAS Codes

<b>Architectural Engineering MEng</b> (4 years) H294 (4 years) (International) H298 (5 years) (Year in Industry) H295 (5 years) (Year in Industry) (International) H299 (5 years) (Year in France) H291 (5 years) (Year in Germany) H992 (5 years) (Year in Spain) H990	(5 years) (Year in Industry) H224 (5 years) (Year in Industry) (International) T1N9 (5 Years) (Year in France) H225 (5 Years) (Year in Germany) H296 (5 Years) (Year in Spain) H297	<b>Integrated Engineering BEng</b> (3 years) H110 (4 years) (Year in Industry) H111
<b>Architectural Engineering BEng</b> (3 years) H292 (4 years) (Year in Industry) H293	<b>Civil and Environmental Engineering BEng</b> (3 years) H221 (4 years) (Year in Industry) H222	<b>Mechanical Engineering MEng</b> (4 years) H302 (4 years) (International) H309 (5 years) (Year in Industry) H307 (5 years) (Year in Industry) (International) U8A6 (5 years) (Year in France) H308 (5 years) (Year in Germany) H303 (5 years) (Year in Spain) H305
<b>Civil Engineering MEng</b> (4 years) H207 (4 years) (International) H205 (5 years) (Year in Industry) H208 (5 years) (Year in Industry) (International) K3G1 (5 Years) (Year in France) H209 (5 Years) (Year in Germany) H203 (5 Years) (Year in Spain) H204	<b>Electrical and Electronic Engineering MEng</b> (4 years) H601 (4 years) (International) H607 (5 years) (Year in Industry) H600 (5 years) (Year in Industry) (International) A7N3	<b>Mechanical Engineering BEng</b> (3 years) H300 (4 years) (Year in Industry) H301
<b>Civil Engineering BEng</b> (3 years) H200 (4 years) (Year in Industry) H201	<b>Electrical and Electronic Engineering BEng</b> (3 years) H605 (4 years) (Year in Industry) H606	<b>Medical Engineering MEng</b> (4 years) H1BV (4 years) (International) H2BV (5 years) (Year in Industry) (International) P2R4 (5 years) (Year in Industry) HB99
<b>Civil and Environmental Engineering MEng</b> (4 years) H226 (4 years) (International) H230	<b>Integrated Engineering MEng</b> (4 years) H113 (4 years) (International) H118 (5 years) (Year in Industry) H114 (5 years) (Year in Industry) (International) 5A7D (5 Years) (Year in France) H115 (5 Years) (Year in Germany) H116 (5 Years) (Year in Spain) H117	<b>Medical Engineering BEng</b> (3 years) H1B8 (4 years) (Year in Industry) BH99  <b>Engineering Foundation Year</b> (Foundation Programme) H101

## Typical Entry Requirements

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

**A-level:** AAA-ABB 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:** 666-655 at Higher Level including Mathematics.

**BTEC:** DDD plus A-Level Mathematics at grade A or B.

**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).

## Applications Information

Typical places: 350  
Typical applications: 1,700

## 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:

Architectural, Civil, Civil and Environmental Engineering:

Dr Iulia Mihai

Integrated, Electrical and Electronic Engineering: Dr Daniel Slocombe

Mechanical and Medical Engineering: Dr Alastair Clarke

Tel: (029) 2087 4656

Email: [engineering-ug@cardiff.ac.uk](mailto:engineering-ug@cardiff.ac.uk)

 [Facebook.com/cardiffuniversitieschoolofengineering](https://www.facebook.com/cardiffuniversitieschoolofengineering)

 @EngineeringCU

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 Licentiate 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. 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.

## CardiffConnected

"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** 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 and are subject to availability. During the programme you become fully aware of the essential interaction between engineering design, architectural requirements and environmental factors (both physical and social). In addition to the essential elements of structural engineering, you gain 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.

## Electrical and Electronic Engineering MEng/BEng

Our degree courses are all accredited by the Institution of Engineering and Technology. In addition, our strong links with industrial partners provide opportunities for work placements and possible sponsorship.

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 oral and written 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).

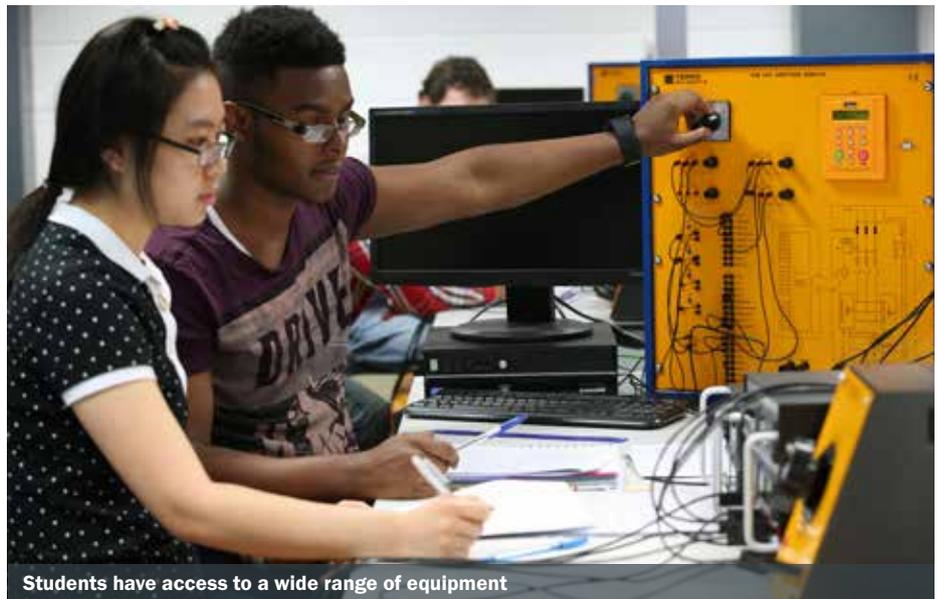
The Integrated Engineering degrees are accredited by the Institution of Mechanical Engineers, and the Institution of Engineering and Technology.

## 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



Students have access to a wide range of equipment

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.

## 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, and 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 Biomechanics, 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.



Cardiff is one of only eight participating universities within the elite Power Academy set up to encourage talented students to pursue IET accredited degree programmes that include a significant power element. The Power Academy encourages high quality students to train for a career in electrical engineering and will offer support for tuition fees, student bursaries, assistance with course materials and vocational training opportunities, as well as improved career prospects.



Cardiff is also a member of the UK Electronics Skills Foundation which provides sponsorship, bursaries, training and company placements for Cardiff undergraduate students. Students on the Electrical and Electronic Engineering, and Integrated Engineering Programmes are able to take advantage of these opportunities.

# English, Communication and Philosophy



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

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

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



Coleg  
Cymraeg  
Cenedlaethol

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](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

**92%** of our students were satisfied overall.\*

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

## Degree Programmes/ UCAS Codes

### Single Honours

English Language BA	Q313
English Language and Literature BA	Q300
English Language and Linguistics BA	2HS6
English Literature BA	Q306
English Literature and Creative Writing BA	QW11
Philosophy BA	V500

### Joint Honours

English Language and another Humanities subject

English Literature and another Humanities subject

Philosophy and another subject

See page 146 for further information.



The English Language programme contains elements of practical work

## Typical Entry Requirements

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

### Single Honours:

**English Language:** BBB

**English Language and Literature:** ABB including English Literature or English Literature/Language or Creative Writing.

**English Language and Linguistics:** BBB

**English Literature:** ABB including English Literature or English Literature/Language or Creative Writing.

**English Literature and Creative Writing:** ABB including English Literature or English Literature/Language or Creative Writing.

**Philosophy:** ABB

### Joint Honours:

Offers for Joint Honours are normally the same as for Single Honours, except when one subject requires higher grades than the other, in which case the offer will ask for the higher grades. For Joint Honours English Literature degrees, a grade A or B is required in English Literature or English Language and Literature or Creative Writing.

**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 check our website for further details.

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

### Specific Subjects

A-level General Studies is excluded.

**GCSE requirements** (or equivalent): No specific requirements other than normally at least English Language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

## Applications Information

Typical places: 320    Typical applications: 1,500

## 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:

Tel: (029) 2087 6323    Email: [encap-admissions@cardiff.ac.uk](mailto:encap-admissions@cardiff.ac.uk)



[Facebook.com/CardiffuniEnglishCommunicationPhilosophy](https://www.facebook.com/CardiffuniEnglishCommunicationPhilosophy)



[@ENCAPCardiffUni](https://twitter.com/ENCAPCardiffUni)

## 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.

**English Language** 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.

**English Literature** 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.

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 various fields: English Literature, 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, including 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

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 your subject. 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).

## CardiffConnected

"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** BA English Language 2017



At Cardiff, we consider the analysis of language to go well beyond narrow linguistic areas

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 and 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.

### 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

Our passion for English Literature flows through our teaching. The range and strength of our scholarship enable us to offer a degree that is:

- **Inclusive:** We teach across the whole chronological span of English literature, from the Anglo-Saxon period to the twenty-first century, including Creative Writing; we teach writing in English from England, Wales, Ireland, Scotland, America, India, and Australia. We are intrigued by the connections between literature and film, art, music, history, language and popular culture, and our teaching reflects these interests.
- **Challenging:** Our research-led teaching means you will engage with new ideas that may help shape the future of the discipline. We see the study of literature in its various contexts as broadening horizons.
- **Diverse:** After Year One there are no compulsory modules. We give you choice and the skills and knowledge to make informed choices. You have the freedom to construct a traditional programme covering multiple periods and genres, or to build a more distinctive mix of modules combining literary study with analysis of and practice

in other cultural forms, including creative writing.

- **Engaged:** We are proud of our reputation for theoretically informed reading. We bring texts from all periods into energising dialogue with contemporary thinking about gender, identity, sexuality, nationality, race, the body, the environment, and digital technology. We consider English language to be a major force within culture, not separate from society.

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.

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 and Creative Writing
- Stimulating range of modules – across the global English writing spectrum and all periods
- Weekly Creative Writing workshop practice
- Opportunities to engage: from our Creative Writing Café to exciting visiting writers series.

### 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

Welsh. Advantageously, English Literature and Philosophy benefits particularly from teaching within one School, giving a seamless transition from the grounding of Year One.

## 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



An English Literature degree equips you for a range of diverse careers

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.

### Further Information

#### 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.

#### 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.

# Geography and Planning



The School is the **largest of its kind** in the UK, with over **70** teaching, research and support staff.

**91%** 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.

The School is in the **top 100** in the world QS university rankings by subject.

**94%** of our students were satisfied overall.\*

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

## Degree Programmes/ UCAS Codes

### Single Honours

**Urban Planning and Development BSc** (3 years) K490

**Urban Planning and Development (Sandwich) BSc** (4 years) K446

**Geography (Human) BSc** (3 years) L700

**Geography (Human) and Planning BSc** (3 years) LK74

**Geography (Human) and Planning with a Professional Placement Year BSc** (4 years) LK75

### 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.

**Geography (Human) and Planning:** AAA-ABB.

**Urban Planning and Development:** AAB-BBB.

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

**IB:** **Geography (Human):** 36-35 points.

**Geography (Human) and Planning:** 36-34 points.

**Urban Planning and Development:** 35-33 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: 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)

Tel: (029) 2087 4022

Email: [gandpenquiries@cardiff.ac.uk](mailto:gandpenquiries@cardiff.ac.uk)



[Facebook.com/cardiffgeographyandplanning](https://www.facebook.com/cardiffgeographyandplanning)



[@CUGeogPlan](https://twitter.com/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 recently redeveloped lecture and seminar rooms, design studios, and a state-of-the-art computer laboratory.

## CardiffConnected

"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** Urban Planning and Development



We are a world-leading centre of research and teaching excellence in the fields of human geography, planning and spatial analysis.

We offer you a stimulating, supportive, and exciting environment in which to study and thrive. From cases on paper, to places in practice, we enable students and staff alike to actively transform the world. We have an outstanding record of academic achievement and 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 you 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, you have the option of undertaking research in European locations such as Amsterdam, while in Year Three destinations currently 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.

You 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).

## Professional Recognition and Employability

Our graduates 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.

Your preparations for employment are boosted by our close relationships with employers in the private and public sectors, which enable us to offer a range of work placements. We regularly host events with external speakers. These provide insights into links between academic ideas, policy and practice, and provide an excellent opportunity for you to learn about a variety of careers.



Planning is an exciting activity that impacts on our everyday lives

A number of our courses are also recognised by professional bodies, further improving your employability. We collaborate closely with the Royal Institution of Chartered Surveyors (RICS) and the Royal Town Planning Institute (RTPI) to ensure that our degrees deliver relevant and cutting-edge curricula and equip you with the employability skills needed for practice.

There are different pathways for graduates of the School to secure 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 Master's degrees are also recognised by other professional bodies, providing you with access to multiple professional membership.

We offer specialist Master's degrees in Urban Design; Sustainability, Planning and Environmental Policy; Urban and Regional Development; Transport and Planning; Eco-Cities, and also in Food, Politics and Sustainability.

We also offer two combined Master's 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.

## 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 way the built environment is created, sustained, managed and improved. 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 an extended, salaried placement where you will gain real responsibility and depth of experience.

There is 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'.

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 field trips.

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, you will 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 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 including 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. The degree is also available as a four-year course, where there is an opportunity for you to obtain extended, salaried placement experience.

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

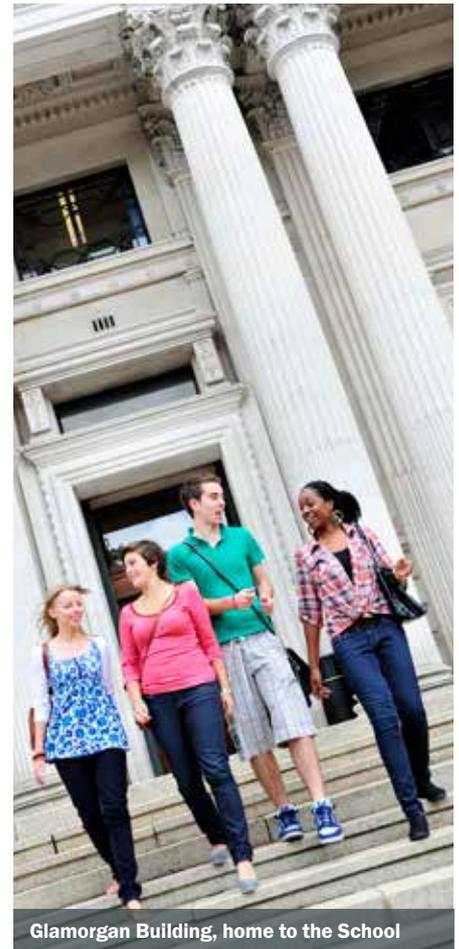
research specialism allows you to cover a wide range of academic concerns while also developing your own particular interests.

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.



Glamorgan Building, home to the School

# Healthcare Sciences



**2nd place in the Guardian University league tables 2018: health professions** for the second year running. This positions the University's health subjects as some of the top in the UK.

**97%** of our graduates are in employment and/or further study six months after graduating.\*

We have strong collaborations globally which means students could enjoy the opportunity to **experience clinical work abroad**.



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](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

Opportunity for **bursary** and **full tuition fees** to be funded by the Welsh Government.\*

+ Subject to committing to working in Wales post qualification for two years.  
See our website at: [www.cardiff.ac.uk/adviceandmoney](http://www.cardiff.ac.uk/adviceandmoney) for more information

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

## Degree Programmes/ UCAS Codes

**Midwifery BMid (Hons)**  
(Midwifery) (September intake) B720

**Nursing BN**  
(Adult Nursing) (September intake) B740  
\*limited number of international places available

(Adult Nursing) (March intake) B741  
(Child Nursing) (September intake) B730  
(Mental Health Nursing) (September intake) B760  
(Mental Health Nursing) (March intake) B761

**Occupational Therapy BSc (Hons)**  
(3 years, Full-time) B920

**Occupational Therapy PgD**  
(2 years, Full-time) Direct Entry

**Operating Department Practice BSc (Hons)**  
(3 years, Full-time) B991

**Operating Department Practice: Intra and Perioperative Practice BSc (Hons)**  
2 years Part-time for home nurse and ODP students  
15 month Full-time pathway for international students Direct Entry

**Physiotherapy BSc (Hons)**  
(3 years, Full-time) B160  
\*limited number of international places available

**Radiography: Diagnostic Radiography and Imaging BSc (Hons)**  
(3 years, Full-time) B821

**Radiography: Radiotherapy and Oncology BSc (Hons)**  
(3 years, Full-time) B822

### Accreditation

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

Please note that all subjects listed are subject to final validation.

## 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.

**Midwifery:** Pass with a minimum of 15 merits and 30 distinctions.

**Nursing:** Pass with a minimum of 18 merits and 27 distinctions.

**Occupational Therapy:** Pass with a minimum of 60 credits to comprise 30 credits at level 3 at Distinction grade and 15 credits at level 3 at Merit grade.

**ODP:** Nursing/Health/Sciences/HE Pass with a minimum of 21 merits and 24 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.

**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:** 5 GCSE's grades A-C/grades 8-4 including English, Maths and a Science.

**Occupational Therapy:** 5 GCSE's grades A\*-C/grades 9-4 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 more information about GCSE equivalencies.

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

## Applications Information

Typical places: 600    Typical applications: 5,000

### 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:

Senior Admissions Tutor: **Gina Newbury**

Adult 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:

**Peter Aires**

Physiotherapy: **Amy Bendall**

Radiotherapy and Oncology:

**Nicholas Courtier**

Tel: (029) 2087 7538

Email: [HCareAdmissions@cardiff.ac.uk](mailto: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 School of Healthcare Sciences offers a range of dynamic, innovative and forward looking healthcare degrees.

We are dedicated to the development of skilled, knowledgeable and compassionate healthcare professionals. Our programmes are designed to prepare you to meet the ever-changing healthcare needs of our population with professionalism and compassion.

We pursue the highest standards of learning and teaching in healthcare through research, education and clinical practice and provide a unique, multidisciplinary environment in which to study.

A range of innovative learning and teaching methods are used, enabling you to develop into independent learners with the necessary analytical, problem solving and self-management skills to act as effective healthcare practitioners.

### Post-Registration

We offer several modules for registered healthcare professionals who would like to continue their education at Level 6 CQFW. For further information on post-registration modules please visit the website.

### Bachelor of Midwifery (Hons)

The role midwives play in preparing women for the birth of a new life makes them a vital presence during all stages of pregnancy, labour and the early post-natal period.

Our Midwifery programme is an innovative, contemporary and popular degree choice. It is a 3 year full-time programme with applicants attracted to the diverse and rewarding career opportunities that are opened up to those with a midwifery qualification. On qualification you will obtain a Bachelor of Midwifery (Hons) degree and be eligible to be entered onto the

Nursing and Midwifery Council's professional register as a registered midwife.

The Midwifery programme is designed for those with no prior experience in the field. At Cardiff we carefully integrate academic learning and practical experience, ensuring that learning by observation and supervised practice is underpinned by theoretical study. Each year consists of 45 weeks of full-time learning which is predominantly structured into blocks. Overall the ratio of University learning to Placement learning is 50/50. We pride ourselves on a course that is built to suit you and this is supported by our 2017 NSS score where we had a 96% overall student satisfaction rating.

In 2017 the School was designated as a World Health Organisation (WHO) Collaborating Centre for Midwifery Development. Our midwifery programme seeks to recognise development, 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 you will work in a range of settings. Midwives undertake the lead practitioner role promoting and enhancing the management of normal births, but also 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.

### Bachelor of Nursing (Hons)

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 Nursing and be eligible to register on the appropriate part of the Nursing and Midwifery Council's nursing register.

Over the course of the programme, you will develop and enhance your knowledge and understanding of nursing and of your chosen field of practice in six core areas: professional practice; public health; fundamental care; complex care; leadership and management, and evidence-based practice. Modules address key themes such as communication and team-working, ethical and legal issues, safe practice, the assessment of health and social care needs, care management and the use of evidence. Particular emphasis is placed on partnership working in multidisciplinary teams and caring for patients, clients and service

**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.

## CardiffConnected

"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** Mental Health Student



users with dignity and respect. All modules have been designed in close collaboration with clinical colleagues, patients and carers.

Opportunities for shared learning with other healthcare students are provided throughout the course. You also have extensive opportunities to prepare for clinical practice in our innovative clinical simulation suites.

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 Health and wellbeing is increasingly recognised as a key issue for our society.

Mental health nurses utilise specialist skills and knowledge to deliver quality care for those who experience problems with mental health, across community and in-patient settings. We work holistically to provide a values-based service 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. Our blended approach to 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 our programme, and practice placements include teams working with children and young people, working-age adults and older adults in community and hospital settings. You will experience a broad range of clinical contexts such as crisis intervention teams, psychiatric intensive care units, addictions services and forensic mental health teams.



You will have the opportunity to learn in a variety of settings

## Occupational Therapy

Our Occupational Therapy course is ranked number one in the UK by the Complete University Guide 2018. Occupational therapists work collaboratively with people to help them increase their levels of independence and satisfaction in all aspects of their life. This is achieved through working together on issues that are important to the person, and facilitating ways to enable them to overcome barriers that may prevent them from carrying out their valued occupations.

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. Our Occupational Therapy programme is ranked 1st in the UK Complete University Guide.

### 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.



You will have extensive opportunities to prepare for clinical practice

## Personal Qualities for both Programmes

You should show a friendly, empathetic 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)

This BSc programme is designed to build upon the pre-registration education of practitioners working in the challenging field of perioperative practice. The course is aimed at qualified practitioners who want to top up their qualifications from a diploma to a full BSc and prepare practitioners for more advanced roles in a variety of contexts.

This course has a number of routes to suit your needs. It consists of a 2 year part-time pathway and a 15 month full-time pathway. Please note: the 15 month full-time 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.

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](http://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 all of Wales to provide you with practice placements. An original research project represents the culmination of the three years of study. The research methods component of the syllabus equips you with the necessary skills for ongoing professional development and evidence-based practice.

**Please note:** You will have to undertake clinical placements outside Cardiff, requiring you to travel or stay near that particular hospital during placement. You may also have placements at the weekend or outside normal core hours.

### BSc (Hons) in Diagnostic Radiography and Imaging

Diagnostic radiographers are key members of the healthcare team. They operate a wide range of imaging equipment available in modern medical practice including computed tomography, magnetic resonance imaging, diagnostic ultrasound and X-ray equipment.

As a diagnostic radiographer you will be responsible for providing comprehensive care for patients, from new born children to the elderly, producing and interpreting images to be used in the diagnosis of injury and disease. By the end of the course you will have a thorough knowledge of the professional and clinical aspects of diagnostic radiography, including the wide range of imaging technologies in use today.

### BSc (Hons) in Radiotherapy and Oncology

Therapeutic radiographers play a vital role in the treatment and care of people with cancer. This challenging and rewarding profession uses high energy ionising radiations in the treatment of malignant and non-malignant disease. You will be introduced to behavioural, imaging and radiation sciences and be supported to develop a firm understanding of human anatomy and physiology.

As a therapeutic radiographer you will work closely with doctors, medical physicists and other members of the healthcare team, to provide supportive person-centred care to



You will learn essential skills in a simulation environment

all ages, who often have a life threatening disease. You will work closely at all stages of a person's treatment including pre-treatment support, planning the radiotherapy, treatment delivery and evaluation, and management of side effects and post-treatment support.

### Personal Qualities

Both programmes 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 encouraged that applicants should have undertaken relevant work experience, some voluntary work and to have looked into the various aspects of the profession. Applicants 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.



You will have the opportunity to work with real patients whilst being supervised

# History, Archaeology and Religion



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

**94%** 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.



Coleg  
Cymraeg  
Cenedlaethol

There is an opportunity to study part of your History and Welsh History 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)

**85%** of our students were satisfied overall.\*

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

## 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)	1S7L

#### 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)	TL0L

#### 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

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: BBB-BCC.

Conservation: BBB-BCC.

History (Single Honours): AAB-ABB at A-Level, including A-level History.

Modern History and Politics: ABB at A-Level, including A-level History.

Religion and Theology: BBB-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: 300

Typical applications: 1,650

## 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 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](mailto: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 in an exciting range of countries across the globe.

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.

### BA Ancient History

Study ancient Greek and Roman history and society from the Bronze Age to Late Antiquity.

Dedicated to the understanding of past societies through the interpretation of ancient evidence, we explore literary, epigraphic and archaeological material to bring you closer to this fascinating subject.

We offer a rich range of modules on historical societies stretching from the earliest Mediterranean civilisations to the Byzantine Empire. Our first year modules give you a grounding in the most influential periods and themes, and the skills to investigate the past. In your final two years, you build your degree around your interests, with the freedom to choose from a comprehensive range of modules on topics ranging from warfare, religion and politics to art, medicine, gender and ethnicity. Whatever fascinates you, from fifth and fourth century BC Persia, Greece and the conquests of Alexander the Great to the Roman Republic, Early Imperial Rome or the Later Roman Empire, our courses will both intrigue and challenge. Studying all texts in English translation, we also offer language options in ancient Greek and Latin.

## 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 Conservation and Religious Studies libraries.

## CardiffConnected

"The calibre of the tutors and lecturers at Cardiff is incredible. I wanted to do a joint honours course because it meant I would get to continue studying the two subjects I love the most, and Cardiff has great English and History departments. I was able to spend my entire second year at the University of Connecticut, which allowed me to study US and Native American history where it all happened. It was a truly incredible opportunity!"

**Enfys** English Literature and History



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.

### BSc Conservation of Objects in Museums and Archaeology

Our vocational programme offers a blend of science and art, focusing on the study and preservation of cultural objects.

Providing a first-step into conservation, our programme is led by an expert team with a global reputation. You learn to co-ordinate the scientific investigation of artefacts and understand more about their composition and technology.

You study the structure, decay and conservation of cultural materials, progressing into practical work treating a wide variety of archaeological and historical artefacts

from museums, excavations and historic houses across the UK, ranging from everyday 20th century objects to artefacts created millennia ago. You will have access to a suite of analytical facilities including electron microscope and Fourier Transform Infrared microscopy.

One of the most rewarding aspects of our programme is an eight-week museum or archaeological unit placement in the UK or abroad.

### BA Ancient and Medieval History

### BA Archaeology and Ancient History

### BA Archaeology 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.

### 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 our wide range of Joint Honours degree programmes, please also see page 146.

### Methods of Teaching

We place 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 Culture



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

**93%** 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**”.\*



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](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

**94%** of our students were satisfied overall.\*

**5th** in the **Guardian's University league tables 2018** for Journalism and Public Relations.\*

## Degree Programmes/ UCAS Codes

### Single Honours

Media, Journalism and Culture BA R5V2

Journalism and  
Communications BA ON3D

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) or 665 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.

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.



Artists impression of the state-of-the-art School of Journalism, Media and Culture

## Applications Information

Typical places: 180    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 Tutor: **Dr Ross Garner**

Tel: (029) 2087 5475 / (029) 2087 4187

Email: [jomecstudentsupport@cardiff.ac.uk](mailto:jomecstudentsupport@cardiff.ac.uk)

Welsh Language Admissions Tutor: **Sian Morgan Lloyd**

Tel: (029) 2087 6843



[Facebook.com/cardiffjomec](https://www.facebook.com/cardiffjomec)



[@CardiffJomec](https://twitter.com/CardiffJomec)

## Careers

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

### Job roles

Having progressed from entry-level jobs our alumni now hold numerous media and administration roles. Job examples include: TV Producer, Business Entrepreneur, Fashion Designer, Copywriter, PR Executive, Blogger, Teacher and Journalist.

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

## CardiffConnected

“Studying here has allowed me to learn about subjects that are crucial in order to understand the world around me. It gave me an opportunity to think about new ideas regarding culture, identity, the influence of the media, the role of journalists, comedy, TV, sport, music and ultimately how all these factors intertwine.”

**Guto** 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 are ranked amongst the world's best Communication and Media Studies schools, according to the latest QS World University Rankings by Subject and all our degrees offer a range of modules taught through the medium of Welsh.

### **A New Chapter**

Those of you that join us in September will call home a new state-of-the-art building in Cardiff's Central Square Development, situated alongside national broadcaster BBC Wales.

The move to No. 2 Central Square creates an industry-academic interface, putting the School at the heart of a vibrant media environment in Cardiff city centre.

The relocation will build stronger industry links and boost your employability prospects by providing direct access to major media organisations as well as the creative and cultural industries.

### **Your Study Experience**

Our staff includes 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.

You will be assigned a Personal Tutor for the duration of your degree. Meetings with your tutor will be used to discuss your academic progress, provide feedback and advice, and to make future plans.

### **Quality Research**

Research quality is measured in the UK by the Government's Research Excellence Framework. In the last assessment exercise we were ranked 2nd for communication research, which is recognised internationally as one of our strengths.

### **Career Prospects**

The Destination of Leavers survey found that more than 93% of our graduates were in employment or further study six months after graduation. Your studies with us will provide you with a highly sought after skillset which includes the ability to research, write and critique according to highest academic standards, along with traditional presentation and team working skills.

### **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 will 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 Culture 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 will 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.

### **BA 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 Culture.

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.

### **BA 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 Culture. 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.

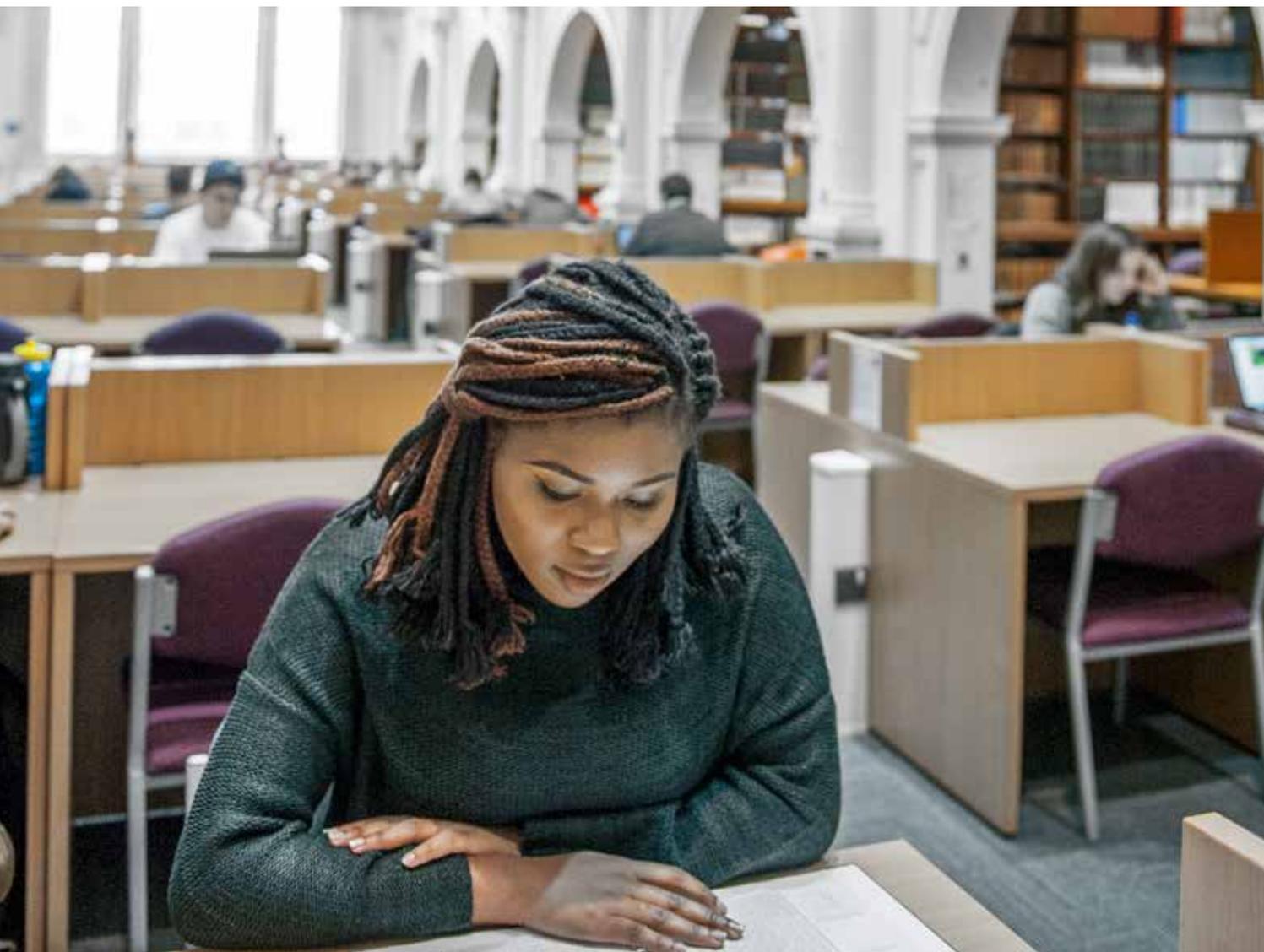
### **BA Welsh and Journalism**

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 course aims to produce graduates with a thorough academic and practical understanding of the Welsh language, its literature and culture, a high level of skill in written and spoken Welsh and well-developed employability and creative skills relevant to modern Wales.

# Law



The Cardiff Law Library is described as '**outstanding**' by the Higher Education Funding Council for Wales.

**97%** 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.



There are scholarship opportunities for students choosing the Welsh medium options on their degree course.

To find out more visit:  
[www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

Our long standing relationship with Hugh James Solicitors won '**Best Collaboration between a University and Employer**' award at 2017's National Undergraduate Employability Awards.

**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

<b>Law LLB</b>	M100
<b>Law and French LLB</b>	RM11
<b>Law and Criminology LLB</b>	M190
<b>Law and Politics LLB</b>	ML12
<b>Law and Sociology LLB</b>	ML13
<b>Law and Welsh LLB</b>	MQ15

### Accreditation

Our programmes are accredited by the Solicitor's Regulation Authority (SRA) and the Bar Council.

**We are situated at the heart of Wales' capital city, Cardiff, in the civic and legal centre.**

## 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 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 facilitating 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 or 666 at Higher Level.

**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 B or grade 6.

See page 153 for information about GCSE equivalencies.

## Applications Information

Typical places: 250    Typical applications: 1,700

## 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:

Tel: (029) 2087 5406

Email: [lawpladmissions@cardiff.ac.uk](mailto:lawpladmissions@cardiff.ac.uk)



[Facebook.com/cardifflawschool](https://www.facebook.com/cardifflawschool)



[@CardiffLaw](https://twitter.com/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, 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](http://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.

## CardiffConnected

"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** Law and French student



## 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. We have excellent rates of student satisfaction and provide 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 a four-year LLB degree in Law and French.

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

Modules in Contract Law, Legal Foundations, Public Law and Criminal Law.

#### 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

- Tort Law
- Land Law
- Crime, Law and Society
- Discrimination and Law
- Evidence
- French Law
- Law and Literature
- Law Practice and Legal Clinic Foundation Skills
- Legal Rights and Civil Justice
- Media Law
- Sociology of Law
- Welsh Devolution
- Cymraeg Y Gyfraith (Legal Welsh)

#### Year Three

- EU Law
- Equity and Trusts
- Administrative Law
- Commercial Law
- Company Law
- Competition Law and Policy
- Devolution in Practice: Welsh Law and Politics Work Placement
- Environmental Law and Justice
- Family Law
- Global Problems and Legal Theory
- Healthcare, Ethics and Law
- Human Rights Law
- Intellectual Property
- Legal History
- Public International Law
- Sports Law

### LLB Law and French

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 this programme with French. 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 this programme affords 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 French language and a compulsory course introducing the legal system of France. The remaining modules can be chosen from the list of Law subjects available.

#### Year Abroad

Your year abroad will be spent in the Law Faculty of a French university. Currently, Law and French students go to Amiens, Nantes, Rennes or Toulouse. You will follow a programme in both French language and law. While there, you will be required to start written projects for both the School of Law and Politics and the School of Modern Languages, which you will complete in your final year.

If you 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 Datganoli yng Nghymru and Yr Iaith ar Waith 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.



We offer a wide range of Law degree programmes, all of which rank as qualifying degrees for legal practice in England and Wales

### 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
- LLM Law
- Shipping Law
- Social Care Law

### Professional Legal Training:

Cardiff is the only Russell Group University to offer the full range of courses to prepare students for professional practice. We have built a reputation for high quality provision and our courses are highly regarded by the legal profession.

We offer the LLM Legal Practice Course (full-time and part-time) for graduates wishing to become solicitors and the LLM Bar Professional Training Course for graduates wishing to pursue a career at the Bar. For those who do not wish to pursue a Master's degree, we also offer the LPC and BPTC as traditional postgraduate diploma courses.

We also offer the Graduate Diploma in Law (full-time and part-time), this being the conversion qualification enabling non-Law graduates to progress to the professional stage of training via the LPC or BPTC.

### Postgraduate Research Study:

We offer opportunities for full and part-time study leading to MPhil/PhD degrees.

# Mathematics



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 your mathematical knowledge in different environments.

Our programmes are **flexible**, allowing you to specialise in your area of interest as you progress through the course.



Coleg  
Cymraeg  
Cenedlaethol

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](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

Our intellectually exciting degrees produce graduates with **key employability skills** who are in demand in both the public and private sector.

**90%** of our submitted research was rated as “**internationally excellent**” or “**world leading**”.\*

## Degree Programmes/ UCAS Codes

### Single Honours

<b>Mathematics MMath</b>	
(4 years)	G101
(5 years) (with a Year Abroad)	G104

<b>Mathematics BSc</b>	
(3 years)	G100
(4 years) (with a Placement Year)	G105
(4 years) (with a Year Abroad)	G103

<b>Mathematics, Operational Research and Statistics BSc</b>	
(3 years)	G991
(4 years) (with a Placement Year)	G990
(4 years) (with a Year Abroad)	GG23

<b>Mathematics, Operational Research and Statistics MMORS</b>	
(3 years)	252D
(4 years) (with a Year Abroad)	252F
(4 years) (with a Placement Year)	G901

<b>Financial Mathematics BSc</b>	
(3 years)	I5R4
(4 years) (with a Placement Year)	I5R6
(4 years) (with a Year Abroad)	I5R5

### Joint Honours

<b>Mathematics and Physics BSc</b>	
(3 years)	FG31
(4 years) (with a Year Abroad)	133K

<b>Mathematics and Music BA</b>	
(3 Years)	GW13
(4 Years) (with a Year Abroad)	GW31

### Accreditation

Courses are accredited by the Institute of Mathematics and its Applications (IMA).

## Careers

Graduates from the School are in high demand in both the public and private sectors, not only for their mathematical capability but also for their excellent communications skills and logical thinking. Many of our graduates find themselves working in the areas of finance, business consultancy, education, government, healthcare and defence, to name but a few. Some graduates also continue their mathematical studies by undertaking an MSc or PhD programme.

## Typical Entry Requirements

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

**A-level:** All Single Honours programmes: AAA/A\*AB including a minimum grade A in Mathematics.

**BSc (Joint Honours Physics):** AAB/A\*BB/A\*AC including a minimum grade A in Mathematics and grade B in Physics.

**BA (Joint Honours Music):** 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 (Joint Honours programmes) or 36 (Single Honours) 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: 200    Typical applications: 800

## 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](mailto:GillardJW@cardiff.ac.uk)

Admissions Enquiries: **Caroline Frame-Morgan**

Tel: (029) 2087 4811

Email: [FrameC@cardiff.ac.uk](mailto:FrameC@cardiff.ac.uk)



[Facebook.com/MathsCU](https://www.facebook.com/MathsCU)



@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 lecture and tutorial rooms. We have a new 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.

### MMORS Mathematics, Operational Research and Statistics

Our four-year MMORS Mathematics, Operational Research and Statistics course offers you the opportunity to delve more deeply into pure and applied mathematics, statistics and operational research than is possible on a BSc course and offers a strong grounding in general mathematical theory and techniques.

Designed for those with an enquiring mind, this degree provides a range of mathematics modules designed to challenge and stimulate your academic curiosity. You will study pure mathematics, statistics and operational research modules linked with optional modules from applied mathematics and computing. In later years, the focus is on advanced applications of modern statistics and operational research theory. Throughout your studies, we support you to become an independent learner, able to effectively tackle unseen problems.

### Mathematics, Operational Research and Statistics

This BSc degree programme couples 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 is the study of the application of mathematics and computational techniques

## CardiffConnected

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** BSc Mathematics, Operational Research and Statistics



### 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.

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 Physics is available on page 127.

#### Mathematics and Music

Information about 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 we will monitor your academic progress. 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.



Within our building is an extensive range of IT facilities

# Medicine



**92%**

of our Medical Pharmacology students were satisfied overall.\*

**100%**

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

**95%**

of our MBChB students find their course intellectually stimulating.\*



Coleg  
Cymraeg  
Cenedlaethol

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)

**98%**

of our graduates found they had opportunities to apply what they had learnt.\*

**Patient contact** from as early as Year One.

\*See page 40 for details of statistical sources.

## Degree Programmes/ UCAS Codes

### Medicine MBBCh

(4 years)	A101
(5 years)	A100
(6 years)	A104

### Accreditation

These programmes are accredited by the General Medical Council

## Applications Information

**Typical places:** 280 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](http://www.cardiff.ac.uk/courses) School Brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions Enquiries: Tel: (029) 2068 8113 / 8037

Email: [medadmissions@cardiff.ac.uk](mailto:medadmissions@cardiff.ac.uk)



Facebook.com/CardiffC21



@CardiffMBBchC21

## 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 GCE 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](http://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:

- BMedSci Degree in Medical Sciences from the University of Bangor (B100)
- BSc (Hons) Medical Sciences Degree, from the University of South Wales (B901)
- BSc (Hons) Medical Pharmacology degree, Cardiff University (B210)
- BSc (Hons) Biomedical Sciences degree, 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.

**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](http://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:** If you have completed or are committed to a degree you must sit the Graduate Australian Medical School Admissions Test (GAMSAT) for applications to A100 and A101. Your score must be available prior to an interview. Your GAMSAT score will contribute to the decision to shortlist for interview. Graduate applications for A104 must offer UKCAT.

**Non-academic Requirements:** Applicants 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 should be evidenced:

- 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.

If you meet the interview threshold, your suitability for the profession will be assessed via Multiple Mini Interviews (MMIs).

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 MBChB 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 focused on clinical cases to help you understand the basic sciences needed and develop the skills you need to be a doctor.

## Degree Programmes

We offer three routes to MBChB:

- A100 standard 5 year undergraduate programme
- A104 6 year programme (5 years + preliminary year for those with 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

- Student-focused learning with a structured programme including small group work, patient consultations, lectures, seminars, self-directed and supported e-learning
- Teaching from internationally renowned researchers and clinicians
- Excellent teaching facilities with major investment in a state-of-the-art teaching centre
- Access to modern clinical skills, life sciences and learning resources
- A final year developed jointly with the Wales Postgraduate Deanery to provide a smooth transfer into practising medicine in the NHS (Harmonisation)
- Anatomy teaching using a variety of learning methods including dissection, prosections, and digital imaging.

### Five Year MBChB Programme (A100)

This is the conventional 5 year programme leading to the MBChB degree and is available to students who have appropriate science A-levels (or equivalent).

### Four Year Graduate Entry Medicine MBChB 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 Bangor University (B100)

2. BSc (Hons) Medical Sciences Degree from the University of South Wales (B901)
3. BSc (Hons) Medical Pharmacology Degree from Cardiff University (B210)
4. BSc (Hons) Biomedical Sciences Degree from 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 is based in the Cochrane Building** – a multi-million pound development at the University's Heath Park Campus, located on the site of the University Hospital of Wales, one of the UK's largest teaching hospitals.

## Careers

### Job roles include:

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.

## CardiffConnected

"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 Medicine



## About Our Programme

Our MBChB 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



You will learn to address medical problems from first principles and develop your scientific reasoning skills

- Teaching will be based at our purpose-built facilities in the Cochrane Building (located next to the University Hospital of Wales, Cardiff) and at the School of Biosciences, as well as rotating through regional Clinical Teaching and Learning centres in Cardiff, Merthyr Tydfil, Bridgend and Newport.

### 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
- 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.

### Year Five - Preparing 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 four 7-8 week clinical placements which take place in both community and hospital settings. These placements are designed to build your confidence, to allow you to practise clinical and prescribing skills and to enhance your ability to work as part of a team.
- 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 core learning blocks during the year 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 encouraged to directly manage patients,



Your skills and professional behaviour are developed throughout the curriculum

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 MBChB programme provide opportunities for you to explore areas of medicine that are of particular interest to you. You can choose your speciality, 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 final year of study, you can apply for a placement in the UK or almost anywhere else in the world. 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 speciality and your tutor. Spend some time in a modern hospital in Australia or experience the challenging 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 100 medical students are accepted on an additional 'intercalating' year, studying in a programme of international academic standard.

Altogether we offer 14 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 MBChB (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 MBChB (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.



## Degree Programmes/ UCAS Codes

Medical Pharmacology BSc B210

### 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. Applicants undertaking science A-levels where a separate practical assessment 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:** 35 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.

### 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. Up to 10 places are available each year. **(Please note** that you cannot transfer to medicine after only one year of the BSc course).

#### Year One

Studied in common with School of Bioscience students who follow degrees in biological, biomolecular and biomedical subjects. As such, you are given a sound understanding of chemical and biological sciences; in particular biochemistry, physiology and genetics, to help facilitate understanding of how drugs work at a molecular level. Specifically with regard to pharmacology, you will be introduced to the scientific principles which define drug bioavailability and activity within the body including pharmacokinetics, pharmacodynamics, receptor theory, molecular and biochemical pharmacology, and toxicology.

Flagship teaching around drug therapeutics, toxicology and abuse introduces the importance of self-directed study, evidence-based medical science (and practice), critical

analysis and the bridge between molecular and cellular pharmacology and the patient as an individual.

#### Year Two

Modules provide a broad coverage of drugs in the domains of neurotransmission, endocrine and paracrine cell signalling, haematology, the central nervous system, cardiovascular pharmacology and chemotherapy. A research technique and an exclusively practical module equip you with a sound basis for quantitative and qualitative functional studies, and give 'hands-on' training in advanced laboratory techniques. Those students interested in Graduate Entry Medicine follow a unique Clinical Anatomy module that utilises cadaveric dissection to investigate the orientation and interpretation of arrangement and function of the human body.

#### Year Three - Optional Professional Placement Year (PPY)

An extended period in a working industrial/academic environment gaining invaluable employability skills. Entry to the PPY is offered once on the BSc course and not directly via UCAS.

#### Final Year

Here you study in an intensive medical research-led environment. Modules develop several selected areas in depth such as pharmacogenomics, neuropharmacology, drug development and therapeutics, immunology, cancer and cardiovascular biology and provide more practical experience in specialised techniques. One module is designed to develop skills of critical analysis in reading scientific papers and to promote the ability to present data accurately and unambiguously. A key feature of the year is a substantial experimental or data-analysis based biomedical research project that promotes development of higher critical applied and analytical skills.

Final year students will also integrate with a number of medical students who are undertaking a one year Intercalated BSc degree in Pharmacology which provides a valuable platform for interdisciplinary peer-interaction.

#### Methods of Assessment

You will be formally assessed on completion of each module and, where appropriate, by a continuous assessment element such as practical reports, essays and presentations.

#### Career Opportunities

The graduate pharmacologist is sought by the pharmaceutical industry for posts in research and product development; by the governmental regulatory bodies; and by academic institutions for research and training.

### Applications Information

Typical places: 28

Typical applications: 190

### Find Out More

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

Admissions Enquiries:

Tel: (029) 2074 2058

Email: [langd@cardiff.ac.uk](mailto: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.

**94%** 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.



Coleg  
Cymraeg  
Cenedlaethol

There is an opportunity to study part of your French 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)

**The Spanish Embassy and Goethe Institute have satellite offices at our School.** We are home to the Confucius Institute and boast close links with the Italian Cultural delegation, Japan Foundation, Institue Camões, Institue Ramon Lull, and the Alliance Française.

**100%** of our submitted research in REF 2014 was benchmarked as internationally important with **94%** classed as **'internationally excellent'** or **'world leading'**.\*

\*See page 40 for details of statistical sources.

## Degree Programmes/ UCAS Codes

### Single Honours

<b>French BA</b>	(4 years) R100
<b>German BA</b>	(4 years) R200
<b>Italian BA</b>	(4 years) R300
<b>Modern Chinese BA</b>	(4 years) RC12
<b>Spanish BA</b>	(4 years) R400
<b>Translation BA</b>	(3 years) Q910
<b>Modern Languages and Translation BA</b>	(4 years) 76D3
<b>Law and French LLB</b>	(4 years) RM11

### Joint Honours BSc

**Business Studies and Japanese** NT12

### Joint Honours BA

**Japanese and another language**

**Portuguese and another language**

**Any two of the languages taught in the School**

**Chinese and another Humanities subject**

**French and another Humanities subject**

**German and another Humanities subject**

**Italian and another Humanities subject**

**Spanish and another Humanities subject**

Please see page 146.

## 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)

**Joint Honours Programmes:** range from AAB to ABB (please refer to our web pages for specific programmes)

Please note that A-Level 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.

**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):

GCSE English Language is required 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: 150    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 Enquiries: **Dr Kate Griffiths**

Tel: (029) 2087 4889

Email: [languages-ug-admissions@cardiff.ac.uk](mailto:languages-ug-admissions@cardiff.ac.uk)

 [Facebook.com/cardiffmlang](https://www.facebook.com/cardiffmlang)     [@Cardiffmlang](https://twitter.com/Cardiffmlang)

## Careers

Our graduates flourish in the job market as our employment statistics underline. Their language degrees lead them into a diverse and exciting range of careers which have included finance, business consultancy, education, health, the media, politics, diplomacy, interpreting, translation, law and teaching.

**The School is equipped with two language labs, a student common room and exhibition centre to support our vibrant community of linguists.**

## CardiffConnected

“My absolute favourite aspect of studying German at Cardiff was the wide range of topics and modules available. The areas I enjoyed the most were those I never thought I could enjoy before my undergraduate programme – particularly literature and art. The academic staff have expertise in a wide range of areas and they certainly convey their passion to students.

I always felt I could turn to them for inspiration and support throughout my four years of study and they're still there when I need them, even after I've left!”

**Alexander** BA French & German, 2016, MA Translation Studies 2017



## Cardiff University is home to 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.

With a proven track record in excellent teaching and research, we give you the opportunity to pursue your love of languages in a global context.

We have designed our curriculum specifically to prepare you for this global context, offering in years one and two pioneering transnational modules which will enable you to explore the power and reach of your chosen language(s) on the world stage.

You can also choose our unique degree in Translation, which offers a foundation in two languages, as well as essential practical skills which include using translation software and insights into interpreting. 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.

Our global connections enable us to offer you an exciting array of possibilities for your year abroad. You can choose to work, study or teach all over the world, gaining valuable experience and highly-transferable skills.

High level language skills are becoming ever more necessary, ever more valuable in today's changing world. Our graduates are therefore ideally placed for a host of exciting and ambitious careers.

### Modern Chinese

Chinese is a global language, spoken by 1.4 billion people worldwide. Owing 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 start 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. In your third year, you will be offered either a work placement (one day per week) or a month teaching on a BNU scheme.

Students write a dissertation in their final year, with support and supervision from 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 and 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-speaking 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 focuses on your employability skills to prepare you for the job market.





A combination of lectures, seminars, workshops and tutorials make for a stimulating learning environment

## 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.

The linguistic skills you acquire will give you direct access to German history, literature, culture, drama, music and film. Your understanding of the language and culture 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 subsequent years, in addition to your language tuition, an introduction to German History and Culture seeks to provide a solid foundation. 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 the 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. 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 and gain skills that will help 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 Guadalejara, 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. We offer 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. They also include the possibility to gain insights into the processes and practices of interpreting.

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, Law, 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.

We offer a supportive environment for passionate, talented linguists to gain highly valuable skills in preparation for an exciting array of careers within and beyond the UK.

## 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.



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

# Music



**8th**

in the Times Good University Guide 2018 for Music.

**95%**

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

We have one of the **largest faculties in the country**, totalling 16 full-time academic staff with wide-ranging expertise.



Coleg  
Cymraeg  
Cenedlaethol

There is an opportunity to study part of your 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)

**96%**

of our students are satisfied overall.\*

**100%** of our submitted research, including compositions and recordings, rated at least of international standard with **95%** classed as “internationally excellent” or “world leading”.\*

## Degree Programmes/ UCAS Codes

### Single Honours

<b>Music BMus</b>	W302
<b>Music BA</b>	W300
<b>Music with a Year of Study Abroad BA</b>	G84D
<b>Music with a Year of Study Abroad BMus</b>	G85D

### Joint Honours

#### Music and another Humanities subject BA

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 are working towards grade 7 or 8 Theory and grade 8 Practical.

**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 a 6 at Higher Level Music. Consideration will be given to applicants who are not taking Higher Level Music but are working towards a grade 7 or 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.

## Careers

### Job roles

Lecturer, musician, writer, music librarian, teacher, radio producer, music journalist, civil servant, audio engineer, higher education manager and arts manager.

### Employers

The BBC, Arts Councils, universities, Oxford University Press, National Trust and the Royal Philharmonic Orchestra, and a range of other industrial, commercial and charitable organisations. Many of our graduates also go on to have careers in other fields including politics, banking, the Civil Service, IT, law, and management.

## Applications Information

Typical places: 60    Typical applications: 400

## 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** Tel: (029) 2087 0313

Admissions Enquiries: **Laila Khan** Tel: (029) 2087 4392

Email: [musicschool@cardiff.ac.uk](mailto:musicschool@cardiff.ac.uk)

 [Facebook.com/cuschoolmusic](https://www.facebook.com/cuschoolmusic)  [@cardiffunimusic](https://twitter.com/cardiffunimusic)  [cardiffunimusic](https://www.instagram.com/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.

## CardiffConnected

"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 felt 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** BMus 2016



**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.

In Cardiff, we benefit from 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 February.

## 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 Joint Honours students, 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 student you make a free choice from them, although some modules are prerequisite for other modules in subsequent study.

In the second and third years, you select from groups of analytical, stylistic, ethnomusicological 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 taking the third-year Recital module (only available on the BMus programme).

## 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 further afield, as well as a Chamber Choir, Chamber Orchestra, Contemporary Music Group, Jazz Ensemble, Symphonic Winds, Nogo Abang Gamelan Ensemble, and Lanyi West African 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.

# Optometry



**Ranked No. 1**  
for Optometry in The Complete University Guide, 2017 and 2018.

**100%**  
of our graduates are in employment and/or further study six months after graduating.\*

**£22 million**  
purpose-built optometry facility with on-site eye clinic.

We are the only **Optometric Training** department in Wales, and one of the largest in the UK.

**90%**  
of our students pass the College of Optometrists Final Assessment at the end of their pre-registration year, consistently the highest pass rate in the UK.

**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 have recently received a five year accreditation 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-AAB, 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. Individuals with two or more Science subjects at A-level will not be considered for the 4-year programme.

**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:** **3-Year Programme:** 35/36 points with 6,6 points in two science subjects at the Higher Level.

**4-Year Programme:** 34 points with 6,6,6 points in any three subjects at the Higher Level, only one of which can be in science or maths.

**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/](http://www.optical.org/en/Investigating_complaints/fitness-to-practise-guidance/)

## Careers

### Job roles

Qualified optometrists can choose a career in private practice, the hospital eye service, universities conducting research and teaching or various options in industry.

### Employers

Universities, various NHS Trusts, independent and multiple optometry practices, plus companies such as Astra Zeneca and Johnson and Johnson.

## Applications Information

Typical places: 90    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 Enquiries: Dr Jennifer Acton / Professor John Wild

Tel: (029) 2087 4374

Email: [optomadmissions@cardiff.ac.uk](mailto:optomadmissions@cardiff.ac.uk)



CardiffUniversityOptometrists



cuptom

**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 learning spaces with the latest state-of-the-art equipment.

## CardiffConnected

"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 £22m 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** 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 gaining the degree of BSc (Hons) in Optometry.

## Optometry

Optometrists are primary health care professionals trained to examine and test the visual system and, where necessary, provide refractive correction using optical appliances such as spectacles and contact lenses.

They are also able to detect diseases that affect the eye and visual system, and are therefore knowledgeable about all aspects of vision science and pathology of the eye.

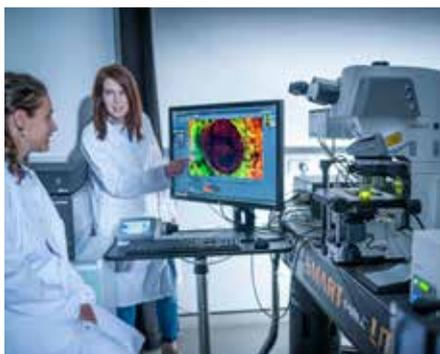
The course will provide you with the clinical skills required to ensure that the primary care needs of the public are met to the highest of standards. You will become proficient in many aspects of optometric care including general eye examination, spectacle dispensing, contact lens fitting, binocular vision disorders, low vision, abnormal colour conditions, and paediatric optometry.

### Optometry (Three years) (B510)

The three year course unites both the scientific and clinical components of the discipline and contains syllabus recommendations from the General Optical Council (GOC) and the College of Optometrists.

The clinical aspects of the course will play a key role in each of the three years of your study and are designed to be as diverse as possible. In the final year, you will experience direct clinical contact with a broad range of patients in primary care, low vision, dispensing, contact lenses and special assessment clinics.

A variety of e-learning packages are also available and our staff employ a wide range of educational methods to enable effective teaching and learning.



### First Year

In the first year, you will learn the fundamental aspects of optometry with no prior knowledge of the eye and visual system expected. You will also gain the skills necessary when reading for a university undergraduate degree.

You will study modules including Cells and Systems, Visual Optics, Ocular Anatomy, Ophthalmic Lens Dispensing, and Clinical Techniques. 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 that is essential to the development of a clinical professional.

### Second Year

The second year of study builds on the foundation of the first. Through the integration of scientific and clinical teaching you will gain a greater understanding of the mechanisms and processes that take place in the visual system, and of the use of instrumentation to assess visual function and health. You will study modules in Clinical Studies and Dispensing, Contact Lenses, Investigative Techniques, Ocular Pharmacology, Binocular Vision, and Colour Vision and Perception.

The clinical practice you gain will help you to develop your professional optometric skills. During this year, you will, under close supervision, be introduced to your first patient.

### Third Year

Clinical methods and abilities are developed to a professional level throughout the year. A high proportion of your week is spent working with patients in the clinics. These clinics provide professional services to the general public in all aspect of optometry, including primary care, contact lenses, low vision, paediatric and special assessment, binocular vision and dispensing. Visits to hospital clinics support clinical tuition and supplement the theoretical knowledge gained in ocular disease. You will also complete modules in Occupational Optometry, Law and Business, Investigative Optometry and Case Studies and Abnormal Ocular Conditions.

During your third year of study, you will also undertake a research project; this 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 (Four years) (B511)

This course has been designed for students who have the desire and academic ability to study for a degree in Optometry, but who do not have the suitable academic background. The four year course consists of a foundation year followed by the three year B510 BSc Optometry 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 Optometry programme (B510), but also emphasise the logical thinking and analysis skills necessary to succeed in a science based discipline.

Modules currently include: Human Development, Systemic Pathology, Biochemistry for Optometry, Optometric Physics, Introductory Optometry, and Written and Communication Skills. You also get the opportunity to gain practical experience of basic clinical skills throughout the year.

### General Optical Council (GOC) Registration/Careers

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 a pre-registration position.

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. Cardiff graduates consistently achieve the highest pass rate (91% 2016/17) in these examinations. After passing the professional examinations, Optometry graduates can register with the GOC as a qualified Optometrist and begin to practise independently.

### Further Study

You may wish to complete further study after obtaining your registration. Some individuals choose to come back to university full-time to undertake a PhD research degree. We also offer a variety of postgraduate options through WOPEC, our postgraduate education centre, which are typically undertaken through distance learning.

# Pharmacy



**We are a long-established School**, based in our own Redwood Building, named after the first professor of pharmacy in the UK.

**100%** of our graduates are in employment and/or further study six months after graduating.\*

**We are the top School** offering the MPharm programme throughout England and Wales according to the Guardian University League table 2018 .



We have a range of pharmacy related teaching activities designed to support Welsh Language students.

To find out more visit:  
[www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

**85%** of our students were satisfied overall.\*

In the most recent Research Excellence Framework we ranked **joint first School of Pharmacy in the UK.**\*

## Degree Programmes/ UCAS Codes

### Single Honours

Pharmacy MPharm

B230

#### Accreditation

The programme is accredited by the General Pharmaceutical Council.

## Applications Information

Typical places: 130

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 Allan Cosslett**

Tel: (029) 2087 4080

Email: [pharmacy-ug@cardiff.ac.uk](mailto:pharmacy-ug@cardiff.ac.uk)



CardiffSchoolofPharmacy



@PharmacyCU



CardiffPharmacy

## Typical Entry Requirements

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

**A-level:** AAB-ABB normally 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 pharmacy regulatory body, the General Pharmaceutical Council, has a set of Standards for pharmacy professionals, meaning all students must demonstrate 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.gov.uk/government/organisations/disclosure-and-barring-service](http://www.gov.uk/government/organisations/disclosure-and-barring-service) and [www.pharmacyregulation.org](http://www.pharmacyregulation.org)

International students must provide an original certificate of good conduct, or equivalent, from their country of origin. It has to be translated into English prior to their enrolment.

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.

## Careers

Pharmacists are experts in the field of drugs and medicines. They consult with patients effectively and some now prescribe medicines independently of a doctor. They may be involved in any aspect of drug preparation and use, from discovery of medicines to supplying them to patients, and many have a role in optimising drug therapy. Once a qualified pharmacist, you'll have a wide choice of career options in hospital, primary care or community practice, industry or research in the UK and internationally.

In hospitals, pharmacists are a key part of the healthcare team, working directly with doctors, nurses and other health professionals on wards or in clinics to ensure patients' needs are met. Community pharmacists not only supply medicines, they also advise the public on health matters and give guidance to other health professionals about medications. Additionally, they administer vaccinations and take blood pressure measurements, amongst other patient-focused tasks. Pharmacists in a Primary Care setting optimise patients'

medicines to maximise the benefits and minimise the risks associated with different drugs. They also help to develop services to support the local population with their health needs. Industrial pharmacists are involved in the research, design, development, testing and marketing of new medicines and treatments, ensuring they are safe and of a good quality for patients.

Towards the end of your degree course, you'll be given assistance in finding a pre-registration position.

## CardiffConnected

"I've thoroughly enjoyed my time at the School of Pharmacy and Pharmaceutical Sciences. It's ranked among the best in the country for the quality of its teaching and research – and now I know why. The course has been challenging and stimulating, covering topics ranging from formulation science to medicinal chemistry and of course, clinical pharmacy. The way the course is taught varies from lectures, to workshops, to practical sessions and even inter-professional sessions with students from other professions, such as medicine. We are taught by lecturers who are experts in their fields, but who are always willing to lend a helping hand and there's a family feeling among staff and students alike."

**Gwenno** Pharmacy Graduate



## We have an international reputation for our teaching and research.

Undergraduate study is for a Master of Pharmacy degree, which is accredited by the General Pharmaceutical Council.

### 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.

On this internationally respected programme you'll study the clinical uses of medicines, their safe supply to patients and the role of the pharmacist in relation to other healthcare professionals. You'll learn about the discovery and development of new drugs and explore their chemical, physicochemical, pharmacological and toxicological properties. You'll 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.

As a close-knit School, with a family feel, we'll help you to enjoy an academically rich and fulfilling experience throughout your time at Cardiff University. You'll be taught, and supported by, our team of academic staff and pharmacist practitioners who have an extensive range of clinical expertise and carry out ground-breaking research.

### Degree

It will take you four years of full-time study to gain a MPharm degree. The programme is modular and credit-based, 480 credits in all. As the degree course is part of the journey 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 communication aspects of pharmacy. You will explore the 'healthy human' complemented by an early 'hands-on' introduction to the clinical practice of pharmacy and the role of the professional pharmacist.

**Year Two:** You will extend your knowledge in pharmaceutical chemistry, formulation of medicines and how therapeutic medicines work. 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 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 in collaboration with 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, including a basic understanding of clinical pharmacy. You will also be required to sit a numeracy test. This is also an excellent opportunity 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, the public, pharmacists, pharmacy staff and other healthcare professionals. In order to prepare you to deliver multidisciplinary healthcare, you'll learn with students from other medical and healthcare disciplines through our innovative inter-professional education sessions. Work-based placements are also an integral element of the programme, you'll gain experience in a range of settings, including hospital and community pharmacies and other social settings. Formal lectures and laboratory-based classes are supplemented by eLearning and case-based problem solving and effective communication 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 successfully completing a further pre-registration year. This training year must be spent employed and supervised by a recognised pharmacist tutor. There are a range of healthcare settings in which you can complete this training, including Primary Care, community settings, hospital or industry.

Towards the end of the pre-registration year, you must sit and pass the General Pharmaceutical Council's assessment. 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 also offer specialist programmes, Clinical Research, Clinical Pharmacy and Pharmacist Independent Prescribing. Opportunities also exist for students to work towards MPhil/PhD research degrees.

We also offer 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.

**92%** of our graduates are in employment and/or further study six months after graduating.\*

We have one of the largest UK communities of Astrophysicists and Condensed Matter Physicists.

Our research staff have been involved in some of the most exciting **recent scientific discoveries** including the detection of gravitational waves.

**89%** of our students were satisfied overall.\*

**99%** of our research was rated as “**internationally excellent**” or “**world leading**”.\*

\*See page 40 for details of statistical sources.

## Degree Programmes/ UCAS Codes

### Single Honours

**Astrophysics BSc** (3 years) F511

**Astrophysics MPhys** (4 years) F510

**Physics BSc** (3 years) F300

**Physics MPhys** (4 years) F303

**Physics with  
Astronomy BSc** (3 years) F3F5

**Physics with Astronomy  
and a Professional  
Placement BSc** (4 years) F3FN

**Physics with  
Astronomy MPhys** (4 years) F3FM

**Physics with  
Medical Physics BSc** (3 years) F350

**Physics with a  
Professional  
Placement BSc** (4 years) F302

**Physics with a  
Professional  
Placement MPhys** (5 years) F304

**Physics with Astronomy  
with a Professional  
Placement MPhys** (5 years) F5F3

### Joint Honours

**Mathematics and  
Physics BSc** (3 years) FG31

### Accreditation

All of our established degree programmes are accredited by the Institute of Physics.

## 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 at grade B and Physics.

We do not accept General Studies or Critical Thinking. BSc 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: 600

## 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-admissions@cardiff.ac.uk](mailto:physics-admissions@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.

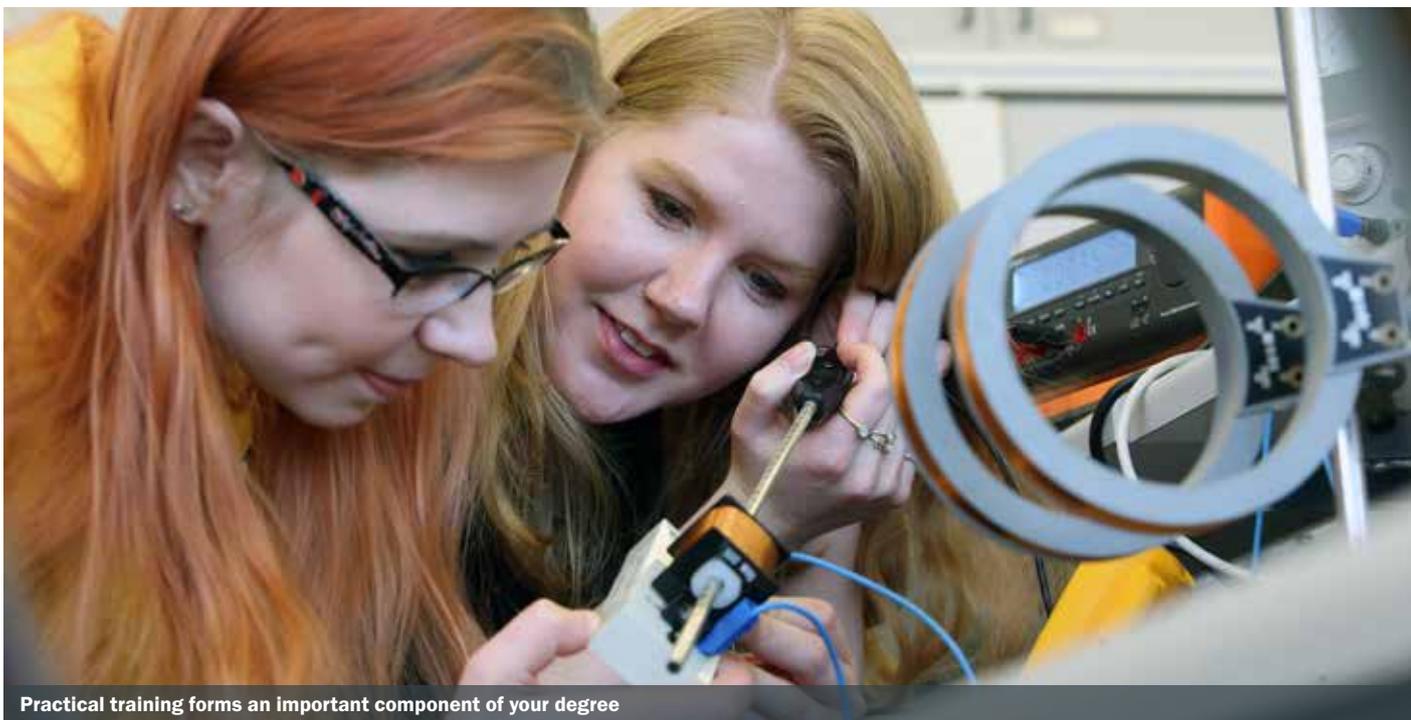
**Our undergraduate facilities are of a very high standard**, and are undergoing further upgrading as part of a University-wide infrastructure programme. A dedicated mathematical science library, additional computing facilities, a restaurant and a student common room are located in the adjacent Trevithick building. We are also located very close to the city centre and to student accommodation.

## CardiffConnected

"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** MPhys Graduate





Practical training forms an important component of your degree

**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 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 we foster 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.



Cardiff graduate, Peter Huggett, pictured at his employer, Rolls Royce

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.

### 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.

### 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.

**97%** of our graduates are in employment and/or further study six months after graduating.\*

We have **links** with the Welsh Government, Westminster, G7 and NATO, NGOs, policy-makers and journalists.



Coleg  
Cymraeg  
Cenedlaethol

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](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

We have expanded our internationally renowned team to offer expertise in political theory, public policy and electoral politics, cyber security, feminism, Cold War history, and environmental politics.

**95%** of our submitted research 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

Politics BScEcon	L200
International Relations and Politics BScEcon	L290
International Relations BScEcon	305Q
International Relations and Politics BScEcon (with a language)	L292
Politics, Diploma in Etudes Politiques (Joint Cardiff/Bordeaux) BScEcon	L241

### Integrated Honours

Law and Politics LLB	ML12
Politics and Modern History BScEcon	LV21

### Joint Honours

Politics and Economics BScEcon	LL12
Politics and Philosophy BA	LV25
Politics and Sociology BScEcon	LL32
Journalism, Communication and Politics BA	J323

Politics and a language taught in the  
School of Modern Languages

Politics and Religious Studies taught in the  
School of History, Archaeology and  
Religion

## Careers

Degrees in Politics and International Relations provide a foundation for a wide range of careers such as in non-governmental organisations, global development, international business, diplomacy and intelligence in government, journalism, and policy research, as well as a basis for more specialist subjects taught at postgraduate level.

## 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** Politics and Philosophy



## Typical Entry Requirements

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

**A-level:** Politics: ABB

International Relations: ABB

International Relations and Politics: ABB

International Relations and Politics (with a language): ABB

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: ABB, to include History.

Politics and Economics: ABB 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 and 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 points or 665 in Higher Level subjects.

**All degrees**

**GCSE requirements** (or equivalent): English Language at grade B or grade 6.

See page 153 for information about GCSE equivalencies.

## Applications Information

Typical places: 220    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)

Tel: (029) 2087 4588

Email: [lawpladmissions@cardiff.ac.uk](mailto:lawpladmissions@cardiff.ac.uk)

 Cardiffpolitics  CardiffPolitics

**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.

## 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 is 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 are offering an array of exciting new modules.

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.

### Politics Joint and Integrated programmes

These programmes allow you to combine your interest in politics with other areas in an interdisciplinary environment. Options available as part of the BScEcon degree include studying Politics with Modern History, Economics, Sociology, or International Relations.

If you are choosing a BA joint degree you can study a modern European language (French, German, Italian, Spanish), Philosophy or other Humanities subject (please see page 146) in

addition to your studies in Politics.

The LLB Law and Politics is an integrated programme which allows you to gain a solid foundation in both politics and law. You will complete the courses in legal studies, necessary for exemption from the first part of the professional examinations to pursue a career as a barrister or solicitor.

### 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 International Relations.

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

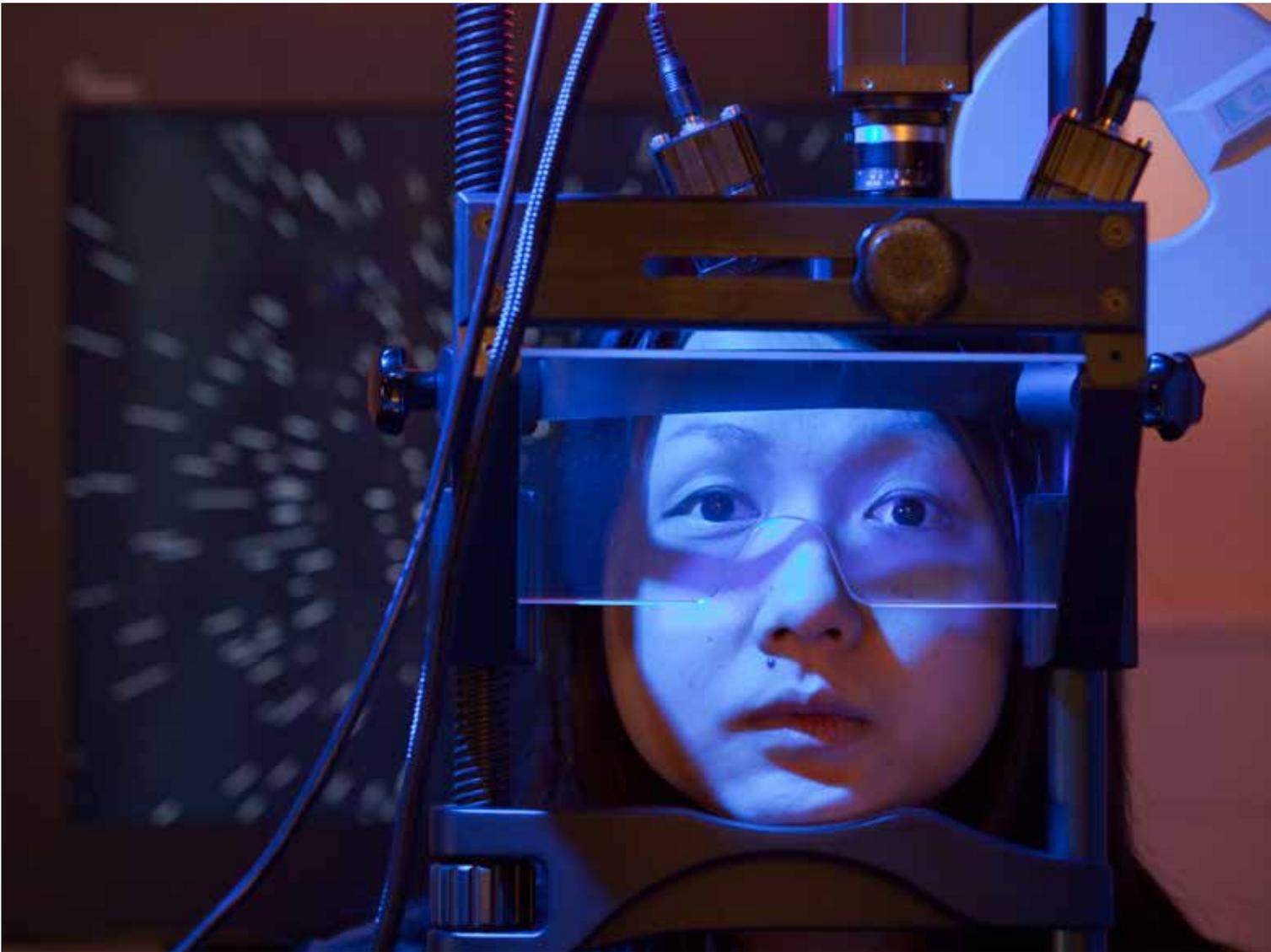
This innovative programme is a venture between Cardiff University and one of the leading institutes of Political Studies in France.

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.

**97%** of our graduates are in employment and/or further study six months after graduating.\*

Both our courses are **accredited** by the British Psychological Society.

**Internationally acclaimed** research-active staff are involved in course design and delivery.

**92%** 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**”.\*

## 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:** AAA

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).

**IB:** 36 points overall or 6, 6, 6 in 3 Higher Level subjects.

**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 C or grade 5.
- English Language or Welsh (as applicable) at grade C or grade 5.

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](mailto:psychology-ug@cardiff.ac.uk)



PsychCardiff



PsychCardiffUni

**We have excellent teaching and research facilities.** There are three lecture theatres within the School, a computing suite with over 120 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.

Cardiff University's School of Psychology is long established, well resourced, and has an excellent international reputation. As a psychology student at Cardiff, you will be studying the subject very much from the scientific standpoint, while meeting the challenges of understanding behaviour from social, cognitive and biological perspectives. This programme is supported by enthusiastic lecturers from one of the UK's leading psychology research departments.

## 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.

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.

Applied Psychology is included as an integral part of our courses and 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 Years

**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: Introduction to Psychology, Psychological Research, and Research Methods in Psychology. These will provide you with a well-rounded introduction to psychological research in areas including social, cognitive, biological, and abnormal psychology, as well as research on individual differences.

'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.

## 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:

Developmental Psychopathology in Childhood and Adolescents, Animal Learning and Cognition, Decision Making, Attitudes and Attitude Change, Active Vision, Behavioural Genetics, Psychology of Speech and Language, Emotion: Social and Neuroscience Perspectives, Neuroscience of Learning and Memory, Human Factors Psychology, Environmental Psychology, Forensic Psychology: Violence and Crime, Memory Processes and Memory Disorders, Theories and Systems of Psychotherapy. 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).

## CardiffConnected

"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** 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**.

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

Our research has been recognised as being **internationally excellent**, having a direct **impact** on policy and practice.



Coleg  
Cymraeg  
Cenedlaethol

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)

**Ranked 78th** for Education and **91st** for Social Sciences in the Times World University Rankings.

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

<b>Criminology BSc*</b>	L370
<b>Education BSc*</b>	8G46
<b>Human and Social Sciences BSc*</b>	58H2
<b>Social Science BSc*</b>	L301
<b>Sociology BSc*</b>	8H46
<b>Social Analytics BSc*</b>	J3G5

### Integrated Honours

<b>Law and Criminology LLB</b>	M190
<b>Law and Sociology LLB</b>	ML13

### Joint Honours

<b>Criminology and Sociology BSc*</b>	8F46
<b>Criminology and Social Policy BSc*</b>	8D46
<b>Sociology and Education BSc*</b>	8J46
<b>Welsh and Education BA</b>	QX53
<b>Politics and Sociology BScEcon</b>	LL32
<b>Sociology and History BScEcon</b>	LV31
<b>Journalism, Media and Sociology BA</b>	LP35
<b>Sociology and Social Policy BSc*</b>	8K46

\* Students on these programmes can choose to extend their studies to four years with the third year spent on a Professional Placement.

## 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.

## 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.

**GCSE:** English Language at grade C or Grade 4. See page 153 for information regarding GCSE equivalencies.

**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.

## Applications Information

Typical places: 330    Typical applications: 1,600

## 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:

If you wish to discuss your application with an Admissions Tutor please contact us.

Tel: (029) 2087 4208

Email: [socsiug@cardiff.ac.uk](mailto:socsiug@cardiff.ac.uk)



[Facebook.com/CardiffSocsi](https://www.facebook.com/CardiffSocsi)



[@CUSocSci](https://twitter.com/CUSocSci)

**Our home, the Grade 1 listed Glamorgan Building,** is architecturally spectacular and also a popular filming location for BBC series, including *Sherlock* and *Doctor Who*. 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.

## CardiffConnected

"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** BSc Social Analytics

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.

## Placement Opportunities

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

Our degree in 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 available 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 the 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

Our degree in education 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, 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.

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 analytics.

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

Every day we read news headlines quoting figures relating to everything from Brexit and migration to teenage pregnancy and sexual health. In a world saturated with data, figures and statistics, Social Analytics is concerned with making sense of the social world that we live in by critically evaluating the knowledge claims being made.

The programme offers a unique opportunity to investigate our society through quantitative research via a range of disciplines including Sociology, Criminology, Human and Social Sciences, Social Policy and Education.

Social Analytics is an interdisciplinary degree suitable for students interested in themes that cut across the Social Sciences such as inequality, health, deviance, gender and ethnicity.

The curriculum has been designed in collaboration with employers to give you the skills that you need to succeed in the modern workplace. Social Analytics graduates will be data-savvy, critical consumers of information, with significant software and analysis skills who also benefit from the substantive expertise of a Social Science education. This Single Honours programme can be extended to four years with your third year spent on a professional placement.

## 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 your third year spent on a professional placement.

## Further Information

### Methods of Teaching and Assessment

Teaching takes place through lectures, discussion-based seminar groups, workshops and computer-based lab sessions. We cover key theories and debates, provide training in research methods, and feature research carried out by our academic staff.



Glamorgan Building, home to the School of Social Sciences

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 a social scientist.

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 for most programmes. 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, but we also accept a wide range of alternative qualifications. We do not generally interview candidates. All applicants who are offered a place will be invited to an Open Day.

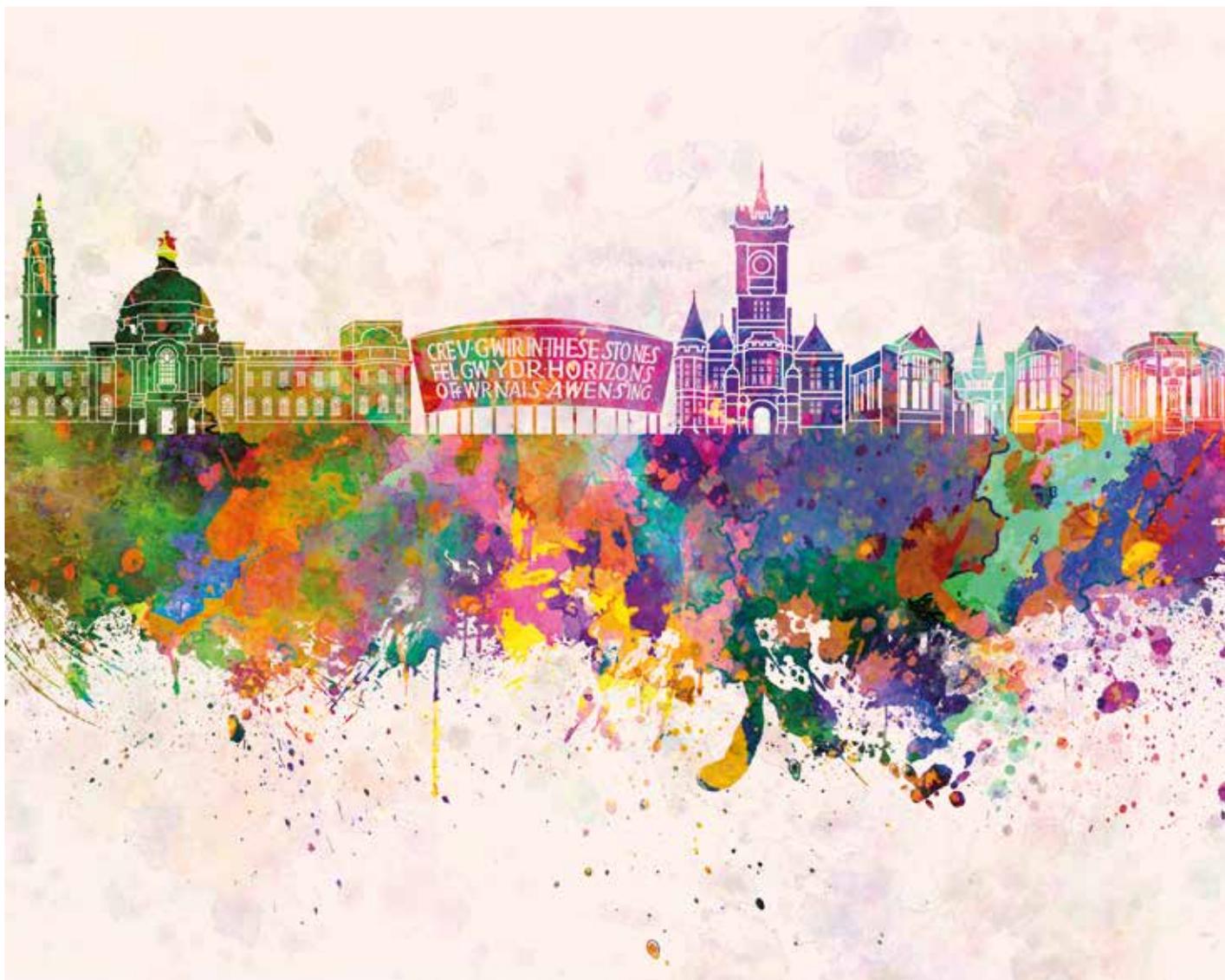
## Careers

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 PhDs and Professional Doctorates and have around 200 students studying for a PhD or MPhil by research.

# Welsh Cymraeg



Committed to research that delivers real social and cultural change. We achieved the maximum possible rating (**100%**) for our impact in REF 2014.

**100%** of our graduates are in employment and/or further study six months after graduating.\*

Recognising the **importance of practical experience**, every student will complete a period of work experience in the second year.



Coleg  
Cymraeg  
Cenedlaethol

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](http://www.cardiff.ac.uk/coleg-cymraeg-cenedlaethol)

**92%** of our students were satisfied overall.\*

**84%** of our submitted research was rated at least of international standard with **81%** classed as “**internationally excellent**” or “**world leading**”.\*

## Degree Programmes/ UCAS Codes

### Single Honours

**Welsh BA** Q560  
(For the part-time degree in Welsh,  
please contact us directly)

**Welsh and the Professional  
Workplace BA** Q561

### Joint Honours

**Business Management  
with Welsh BSc** NQ26

**Welsh and Journalism BA** PQ55

**Welsh and another Humanities  
subject** (See page 146)

### Honours LLB

**Law and Welsh LLB** MQ15

## Careers

With demand for Welsh language skills and expertise in many public and private sector fields (including the media, education, local and national government), 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, communications and teaching at all levels.

## Typical Entry Requirements

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

### A-level: Single Honours:

BBC including a B in Welsh (first language and second language routes).

### 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.

## Applications Information

Typical places: 25    Typical applications: 100

## 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 Angharad Naylor**

Tel: (029) 2087 4710

Email: [derbynycymraeg@cardiff.ac.uk](mailto:derbynycymraeg@cardiff.ac.uk)



[Facebook.com/ysgolygymraeg](https://www.facebook.com/ysgolygymraeg)



[@ysgolygymraeg](https://twitter.com/ysgolygymraeg)



[ysgolygymraegpc](https://www.instagram.com/ysgolygymraegpc)

## CardiffConnected

"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 Mapio'r Cymru (Mapping the Welsh). 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 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 and offer 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 has previously 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.

While every student will spend a period of time in the second year on a work experience placement, our new BA Welsh and Professional Workplace offers you the opportunity for work experience in the final year as well. As a student on the programme you will also complete an independent research project based around the workplace.

### 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 (Single Honours), first language students will normally study six 20 credit modules that concentrate on the language itself, writing skills, literature of different periods, and Wales and its culture.

Second-language students (Single Honours) normally study six 20 credit 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 in your studies.

### 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 career ambitions.

### Joint Honours

If you wish to combine the study of Welsh with another subject you would 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.

We offer a wide selection of Joint Honours programmes with other arts and humanities subjects. One of our most popular options is BA Welsh and Journalism.

### 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).

### Business Management with Welsh

This programme is offered jointly with Cardiff Business School and combines specialist information and skills relevant to the field of business management and the field of Welsh. You will develop a thorough understanding of the business world in Wales (and beyond) within the context of the Welsh language and its culture. You will spend approximately a third of your time studying modules with us.

The programme is suitable for those who have studied through the medium of Welsh at A-level or who have an equal standard of Welsh. You are not required to hold an A-level in Welsh to study this programme.

### Welsh and Journalism

This 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, Two and Three. One of our core principles is that teaching is informed and led by research. You will 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 language 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.



Competitors at the annual Staff v Students Poetry Stomp

# Further Information

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## Find out more online:

[www.cardiff.ac.uk/undergraduate](http://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	RVJ1
Philosophy BA	VV51
Religious Studies BA	VVQ1
Spanish BA	RV4C

### Archaeology and:

English Literature BA	QV34
French BA	RV14
German BA	RV24
History BA	VV14
Italian BA	RV34
Philosophy BA	VV54
Religious Studies BA	VV64

### 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
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### English Language and:

French BA	QR31
German BA	QR32
Italian BA	QR33
Philosophy BA	QV35
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	QR31
English Literature BA	RQ13
German BA	RR21
History BA	VR11
Italian BA	RR31
Japanese BA	TR21
Music BA	WR31
Philosophy BA	VR51
Politics BA	LR21
Portuguese BA	P6P9
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	RR32
Japanese BA	TR22
Music BA	WR32
Politics BA	LR22
Portuguese BA	S8P9
Religious Studies BA	VR62
Spanish BA	RR24

### History and:

Ancient History BA	V117
Archaeology BA	VV14
Economics BA	VL11
English Literature BA	VQ13
French BA	VR11
German BA	VR12
Italian BA	RV31
Music BA	WV31
Philosophy BA	VV15
Religious Studies BA	VV61
Sociology BScEcon	LV31
Spanish BA	RV41
Welsh BA	QV51

### Italian and:

Ancient History BA	RVJ1
Archaeology BA	RV34
Economics BA	RL31
English Language BA	QR33
English Literature BA	RQ33
French BA	RR31
German BA	RR32
History BA	RV31
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
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### Journalism, Communication and:

Politics BA	J323
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### Journalism, Media and:

English Literature BA	PQ53
Sociology BA	LP35

### Modern History and:

Politics (Integrated Single Honours Degree Programme) BScEcon	LV21
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**Music and:**

English Literature BA	WQ33
French BA	WR31
German BA	WR32
History BA	WV31
Italian BA	WR33
Philosophy BA	VW53
Religious Studies BA	VW63
Welsh BA	QW53

**Philosophy and:**

Ancient History BA	VV51
Archaeology BA	VV54
Economics BA	VL51
English Language BA	QV35
English Literature BA	VQ53
French BA	VR51
History BA	VV15
Italian BA	VR53
Music BA	VW53
Politics BA	LV25
Religious Studies BA	VV65
Spanish BA	RV45
Welsh* BA	QV55

**Politics and:**

Economics BScEcon	LL12
French BA	LR21
German BA	LR22
Italian BA	LR23
Modern History <sup>†</sup> BScEcon	LV21
Philosophy BA	LV25
Religious Studies BA	VL62
Sociology BScEcon	LL32
Spanish BA	LR24
Welsh BA	QL52

<sup>†</sup>Modern History and Politics is an integrated Single Honours degree programme.

**Portuguese and:**

French BA	P6P9
German BA	S89P
Italian BA	6YR4
Japanese BA	W4Y6
Spanish BA	G5Y5

**Religious Studies and:**

Ancient History BA	VVQ1
Archaeology BA	VV64
English Literature BA	VQ63
German BA	VR62
History BA	VV61
Italian BA	VR63
Music BA	VW63
Philosophy BA	VV65
Politics BA	VL62
Spanish BA	RV46
Welsh BA	QV56

**Sociology and:**

History BA	LV31
Journalism, Media BA	LP35
Politics BScEcon	LL32

**Spanish and:**

Ancient History BA	RV4C
Economics BA	LR14
English Language BA	QR3K
English Literature BA	QR34
French BA	RR14
German BA	RR24
History BA	RV41
Italian BA	RR34
Japanese BA	TR24
Philosophy BA	RV45
Politics BA	LR24
Portuguese BA	G5Y5
Religious Studies BA	RV46
Welsh* BA	QR54

**Welsh and:**

Education* BA	QX53
English Language BA	QQ35
English Literature BA	QQ53
French* BA	QR51
History BA	QV51
Italian* BA	QR53
Journalism* BA	PQ55
Music BA	QW53
Philosophy* BA	QV55
Politics BA	QL52
Religious Studies BA	QV56
Spanish* BA	QR54

\*Timetabling and other restrictions mean it will not be possible for students who have studied Welsh as a second language to take these Joint Honours combinations.

These groupings are accurate at the time of going to press and may be subject to change.

## Other Joint Honours and Integrated Honours Degree Programmes

We also offer Joint and Integrated Honours programmes in the following areas:

Business Studies and Japanese BSc	NT12
Criminology and Social Policy BSc	8D46
Criminology and Sociology BSc	8F46
Economics and Management Studies BScEcon	LN12
Education and Sociology BScEcon	8J46
Law and Criminology LLB	M190
Law and French LLB	RM11
Law and Politics LLB	ML12
Law and Sociology LLB	ML13
Law and Welsh* LLB	MQ15
Mathematics and Music BA	GW13
Mathematics and Physics BSc	FG31
Sociology and Social Policy BSc	8K46

## 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](http://www.cardiff.ac.uk/apply)**

Further advice is available by contacting the Admissions Office:  
Tel: **(029) 2087 9999**  
Email: **[admissions@cardiff.ac.uk](mailto: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](http://www.cardiff.ac.uk/learn)**

# English Language Programmes



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.

**20 Week\*:** Students with IELTS 5.0 who have a score of 4.5 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 support 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**

**www.cardiff.ac.uk/summerpreessional**

# International Foundation Programme



Students from more than 100 countries are represented on campus



Students study a range of degree programme related modules, along with English language and study skills modules

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 and 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 two Personal Tutors.

## 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) for 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 2018/2019 are £15,080. Cardiff is one of the most affordable cities in the UK. See our simple living costs calculator at:

[www.cardiff.ac.uk/study/student-life/living-costs](http://www.cardiff.ac.uk/study/student-life/living-costs)

## 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](mailto:foundation@cardiff.ac.uk)

or visit our website at:

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

# Preliminary Year Programmes

Programmes/UCAS Codes	
<b>Biochemistry BSc</b> (4 year Prelim Year) (5 year Prelim Year and Prof Year)	<b>(Page 45)</b> C74C CR41
<b>Biological Sciences BSc</b> (4 year Prelim Year) (5 year Prelim Year and Prof Year)	<b>(Page 45)</b> C102 C103
<b>Biomedical Sciences BSc</b> (4 year Prelim Year) (5 year Prelim Year and Prof Year)	<b>(Page 45)</b> B900 B901
<b>Chemistry BSc</b> (4 year Prelim Year)	<b>(Page 57)</b> F105
<b>Dentistry BDS</b> (6 year Prelim Year)	<b>(Page 63)</b> A204
<b>Engineering BEng</b> (4 year Prelim Year)	<b>(Page 72)</b> H101
<b>Medicine MBChB</b> (6 year Prelim Year)	<b>(Page 107)</b> A104
<b>Neuroscience BSc</b> (4 year Prelim Year) (5 year Prelim Year and Prof Year)	<b>(Page 45)</b> B141 B140
<b>Pharmacy</b>	<b>(Page 124)</b>



**The Preliminary Year programme includes modules in Biosciences, Chemistry and Maths. 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 induction.**

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 Two and Three 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 and specifically advice regarding your qualifications, you must contact the appropriate Admissions Tutor in the School related to your degree programme of interest.

Contact details can be found on the main subject pages - see page numbers listed in box, left.

For general enquiries (and not admissions queries) 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](http://www.cardiff.ac.uk/fees)

## UK/EU Student Fees

Please note that our fees are subject to increase. These increases will be in line with government policy. Please see our website for more information.

## International Student Fees

Fees will be fixed for three years for international students. For courses longer than three years, notably Medicine and Dentistry, fee increases will be applied at different points. Please see our website for more information.

## Scholarships and Bursaries

For information on financial support provided by the University please visit:

[www.cardiff.ac.uk/funding-ug](http://www.cardiff.ac.uk/funding-ug)

## Assistance towards Student Tuition Fees/ Student Loans

Information about student finance options is available on all the following websites:

Cardiff University Website:

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

Student Loans Company: [www.slc.co.uk](http://www.slc.co.uk)

If you normally live in Wales:

[www.studentfinancewales.co.uk](http://www.studentfinancewales.co.uk)

If you normally live in England:

[www.direct.gov.uk/studentfinance](http://www.direct.gov.uk/studentfinance)

If you normally live in Scotland:

[www.saas.gov.uk](http://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

If you withdraw from the University, please email [Fees@cardiff.ac.uk](mailto: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).

## 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. Eligible students 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 £25,000 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.

Students on the work-based learning year of the BSc/MArch Architecture programme will pay 50% 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 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.

For information on fees please contact the Finance Office:

Tel: **+44 (0)29 2087 4399 / 9262**

Email: [Fees@cardiff.ac.uk](mailto: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](mailto:adviceandmoney@cardiff.ac.uk)

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

## Latest Information

Some changes to the information in this prospectus will inevitably occur in the interval between publication and the academic year to which the prospectus relates. Therefore, you should visit our website [www.cardiff.ac.uk](http://www.cardiff.ac.uk) for more up-to-date information.

## Suggestions for improvement

We make every effort to check the accuracy of the information in this prospectus at the time of going to press. However, if you feel that any of the information is misleading then please contact:

Claire Sanders, Director of Communications and Marketing, Cardiff University, Friary House, Greyfriars Road, Cardiff CF10 3AE. Email: [enquiry@cardiff.ac.uk](mailto:enquiry@cardiff.ac.uk)

Edited by David Roylance/Laura Roberts, Communications and Marketing Department, Cardiff University. Designed by Barry Diamond, Cardiff University. Printed by McLays (Cardiff) Ltd.

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## The use of animal-derived products in Undergraduate Teaching

Given the nature of the subjects, the use of functioning non-human organisms and animal derived products in practical work and scientific study is a requirement of many of the degree programmes offered by the Schools of Biosciences, Pharmacy and Optometry and Vision Sciences.

Sensitivity is exercised, and in the very rare case of a student being unable to carry out work on non-human organisms and animal derived products alternatives may be sought where practicable, where permitted in course regulations, and where there is no conflict with learning outcomes. If in doubt, applicants can obtain further information from Admissions Tutors.

# 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](http://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 2019 (or 15th October 2018 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 at [www.cardiff.ac.uk/apply](http://www.cardiff.ac.uk/apply)

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](http://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](http://www.cardiff.ac.uk/apply) or contact the Admissions Office:  
Email: [admissions@cardiff.ac.uk](mailto: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 2018 and 30 June 2019 (or 15 October 2018 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](http://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.

GCSE Grading	
Wales	England
A*	9
A	8 and 7
B	6
C	5 and 4

## 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.

More information is available on our website: [www.cardiff.ac.uk/apply](http://www.cardiff.ac.uk/apply)

## 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](http://www.cardiff.ac.uk/enrolment)  
[www.cardiff.ac.uk/semesterdates](http://www.cardiff.ac.uk/semesterdates)

## Please Read Carefully – Important Legal Information

The contents of this prospectus relate to the Entry 2019 admissions cycle and are correct at the time of going to press in January 2018. 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](http://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](http://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](mailto:enquiry@cardiff.ac.uk)

Tel: **029 2087 4455**

**Your degree:** Students admitted to Cardiff University study for a Cardiff University degree.

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This prospectus can be made available in alternative formats. It is also available on our website at: [www.cardiff.ac.uk/ugprospectus](http://www.cardiff.ac.uk/ugprospectus)

To request an alternative format please contact the Prospectus Office:  
Tel: **029 2087 4455**  
Email: [enquiry@cardiff.ac.uk](mailto:enquiry@cardiff.ac.uk)

# Finding out more ...

(including latest information/entry requirement updates)

## [www.cardiff.ac.uk](http://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
- 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](http://www.cardiff.gov.uk)

[www.ucas.com](http://www.ucas.com)

[www.gov.uk/student-finance](http://www.gov.uk/student-finance)

[www.studentfinancewales.co.uk](http://www.studentfinancewales.co.uk)

[www.slc.co.uk](http://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](http://www.cardiff.ac.uk/pubs/ug)

Alternatively, you can obtain copies from the Prospectus Office:

Tel: **(029) 2087 4455**

Email: [enquiry@cardiff.ac.uk](mailto: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. A variety of subjects are covered.

For further information, please contact the Schools Liaison Office:

Tel: **(029) 2087 4455**

Email: [schools@cardiff.ac.uk](mailto:schools@cardiff.ac.uk)

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

## UCAS HE Conventions

Schools Liaison staff also attend many of the UCAS Higher Education conventions.

For more information, please visit:

[www.ucas.com/exhibitions](http://www.ucas.com/exhibitions)

## Useful Telephone Numbers

Cardiff University: (029) 2087 4000

Schools Liaison Office: (029) 2087 4455

International Office: (029) 2087 4432

Residences Office: (029) 2087 4849

Students' Union: (029) 2078 1400

Address: Cardiff University, Main Building, Park Place, Cardiff CF10 3AT

## Open Days 2018

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 is available:

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

Tel: **(029) 2087 4455**

Email: [openday@cardiff.ac.uk](mailto:openday@cardiff.ac.uk)

## Travelling to Cardiff

### Door-to-door directions by road:

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

### Park and Ride Services:

[www.cardiff.gov.uk/parkandride](http://www.cardiff.gov.uk/parkandride)

### Train Services:

Tel: 08457 484950

[www.nationalrail.co.uk](http://www.nationalrail.co.uk)

### Coach Services (National Express):

Tel: 08705 808080

[www.nationalexpress.com](http://www.nationalexpress.com)

### Satnav:

If you are using Satnav the postcodes are:

Cathays Park Campus: **CF10 3AT**

Heath Park Campus: **CF14 4XN**

## Virtual Campus Tour

Discover more about the University and the city of Cardiff through our interactive online tour at:

[virtualtour.cardiff.ac.uk](http://virtualtour.cardiff.ac.uk)



The University's Open Days in 2018 will take place on:

- **Wednesday 18 April**
- **Friday 6 July**
- **Saturday 15 September**
- **Saturday 27 October**

See our website for further details.



CARDIFF  
UNIVERSITY

PRIFYSGOL  
CAERDYDD

## Open Days 2018

- ▶ Wednesday 18 April
- ▶ Friday 6 July
- ▶ Saturday 15 September
- ▶ Saturday 27 October

To find out more and  
book your place visit:

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

# Proud to be a **top 10** **UK** and **world top 100** university

Source: Academic Ranking of World Universities 2017

## CardiffConnected

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



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youtube.com/user/cardiffuni

## Contact us

Students from the UK:

Tel: **029 2087 4455**

Email: [enquiry@cardiff.ac.uk](mailto:enquiry@cardiff.ac.uk)

Students from the rest of the world:

Tel: **+44 (0)29 2087 4432**

Email: [international@cardiff.ac.uk](mailto:international@cardiff.ac.uk)



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2017