



Cardiff University  
**Undergraduate**  
Prospectus **2021**



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

Welcome  
from a leading university . . .

# Croeso

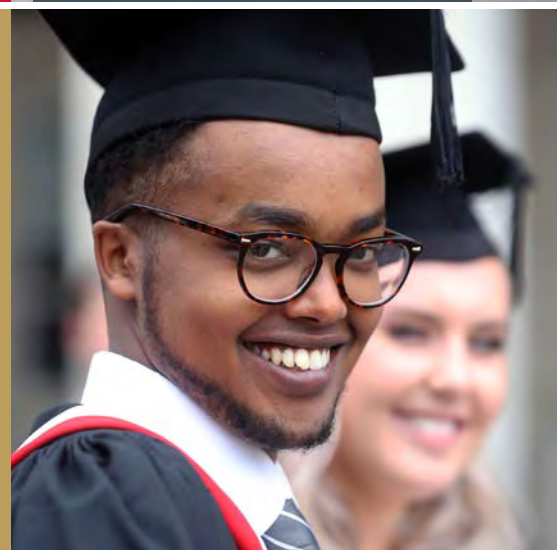
(Croy-so - Welcome)

“When visiting the uni, I could see myself cycling to lectures, studying with friends, going out. It was just a penny drop moment.”

Cardiff University Applicant Survey, 2018

An international university, with students from more than **120** countries

We are proud to be Wales' only  
**Russell Group University**



Driven by creativity and curiosity, we strive to fulfil our social, cultural and economic obligations to Cardiff, Wales and the world.



**Top 5**  
UK University  
for research  
quality

Source: Research Excellence Framework,  
see page 18



**95.7%**  
of our students  
employed or in  
further study  
six months after  
graduation

Source: HESA Destinations of Leavers  
Survey 2016/17

**“I really love the  
University, and after  
seeing the facilities  
and accommodation,  
I knew I definitely  
wanted to attend.”**

Cardiff University Applicant Survey, 2019



## Hello!

**I'm pleased to introduce you to Cardiff University. Choosing the right university is a major decision and it's 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. However, a prospectus can only go so far, and the best way to gain an insight into life at Cardiff University is to visit us and experience it for yourself. Whatever your choice, we wish you every success with your studies.

**Professor Colin Riordan**

President and Vice-Chancellor

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... in a friendly, attractive capital city.

Cardiff  
is the UK's  
**most  
affordable**  
university city

Source: NatWest Student Living Index 2019

“Cardiff is a thriving and attractive capital city, widely recognised as an outstanding place to live.”

Source: Complete University Guide 2019



“I can see myself as a student in Cardiff, the city gives a safe impression, when I say to family and friends I’m going to study at Cardiff, they see it as a top university.”

Cardiff University Applicant Survey, 2019



Cardiff University is **committed** to creating and sustaining a welcoming, inclusive, accessible and friendly environment

Choose from  
**240**  
sports clubs  
and student  
societies



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

## 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 1 April**
- **Friday 3 July**
- **Saturday 19 September**
- **Saturday 24 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)



## Cardiff**Connected**

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 blu 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.

“From the roar of the home crowds watching rugby at the Principality Stadium to the sunshine of Cardiff Bay, the Welsh capital is known as much for its national pride as its warm welcome for all visitors.”

(Times Good University Guide 2018)



**Reasons  
to love  
Cardiff**

Our students fall in love with Cardiff.  
So, what makes the Welsh capital so appealing?

Discover more at:  
[www.cardiff.ac.uk/reasons](http://www.cardiff.ac.uk/reasons)

## 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 seven 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 13 Royal Society Fellows.

## 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 broadcasters Huw Edwards, Jason Mohammad and Susanna Reid, former National Poet of Wales Gillian Clarke, Money Saving Expert founder and journalist Martin Lewis OBE, academic, writer and broadcaster Professor Alice Roberts and many more. Our Honorary Fellows include the likes of Sir Patrick Stewart, Stephen Fry 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' and 'Doctor Who'.



# 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.





## 08

**International days****Rugby is part of the lifeblood of Cardiff; you can't miss it.**

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

**Community Action**

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

## 10

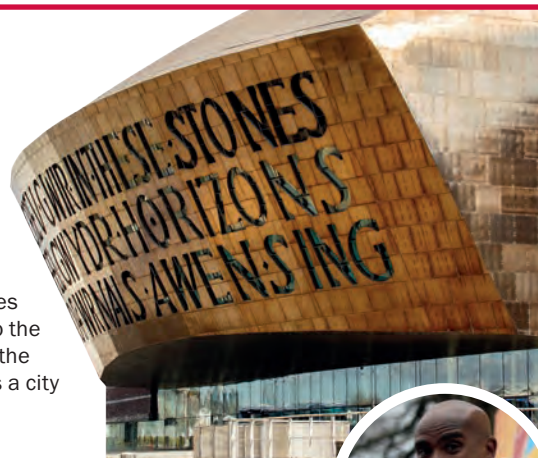
**Students' Union ranked third in the UK**

It's official – according to What Uni Student Choice Awards 2019, Cardiff is ranked third best in the UK. Home to over 240 sports clubs and student societies, a free employment service and, of course, the beloved Taf pub, the Students' Union caters for every student's needs across the board, from studying to socialising.

## 11

**Rich culture and history**

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

**A city that loves running**

Many elite athletes, including the likes of Mo Farah, compete in world-class events in Cardiff. The city boasts plenty of events for runners of all levels – from weekly Parkruns to the Cardiff University/ Cardiff Half Marathon, the second largest race of its type in the UK. Many of our students join **#TeamCardiff** for this, where they also raise vital funds that support our research. Other students give their time to volunteer and our physio students are on hand to give much welcomed sports massage at the end of the 13.1 mile course!



# A capital city

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

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

**A city with character, heritage and ambition**

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 restaurants, homes, shops, offices, visitor attractions, and home of the National Assembly for Wales.

Cardiff has a distinctive character and a great quality of life. It is equally comfortable

with hosting 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. Other famous landmarks include the historic Cardiff Castle and the iconic Wales Millennium Centre.

**A city made for students**

When it comes to entertainment, Cardiff is tailor-made for students. There are plenty of cafés, pubs and nightclubs to suit most tastes. The city has also been officially declared a 'Music City' - the first of its kind in the UK. The music scene here is healthy with regular gigs taking place, from large-scale touring bands to smaller, more intimate independent venues showcasing the best new talent.

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. A walk around Jacob's Market, a sprawling warehouse of antiques, art and eccentric curios, is a great way to pass a few hours, or browse through the racks at Spillers, the oldest record shop in the world. Cardiff was also the world's first Fair Trade Capital and encourages ethical trading and fair prices for producers in the developing world.



“The official capital of Wales only since 1955, the buoyant city of Cardiff (Caerdydd) has, since the turn of the millennium, witnessed a remarkable evolution from a large town to a truly international city, with massive developments in the centre as well as on the rejuvenated waterfront. With a reputation as a party town, allied to lots of top-class sport and a cultural attractions, it is one of the UK’s most enticing destinations.”

### Rough Guide 2020



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



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

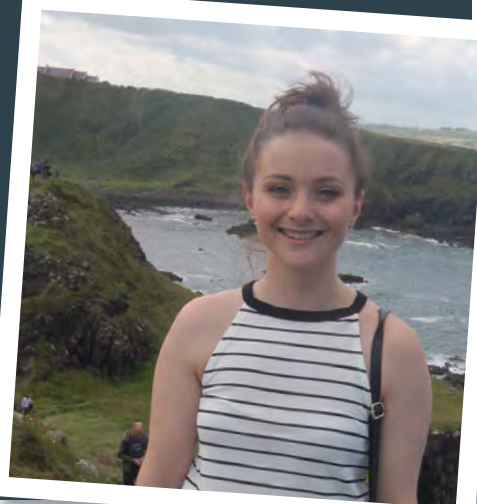


Cardiff is one of the UK’s best shopping destinations

### 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 are parks and green spaces everywhere you look.

**Rosie** 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 – Bute Park is a particular student favourite.

Cardiff is one of the UK's major sporting centres with facilities and events to please both competitors and spectators. Take in rugby at the Principality Stadium or Arms Park, football at the City Stadium, cricket at Sophia Gardens,

ice hockey at the Viola Arena. If you want to participate, the city has plenty of opportunities to engage your sporty side as well as to satisfy your spiritual well-being, with the great outdoors literally on your doorstep.

If you want to explore further afield, we are lucky to have amazing places like the Gower Peninsula, Brecon Beacons, Wye and Usk Valleys nearby, along with attractions such as Caerphilly Castle and Castell Coch.

Another student favourite is a trip to the beach at Barry Island or travel a little further west to experience the beauty and dramatic scenery of the Heritage Coast.

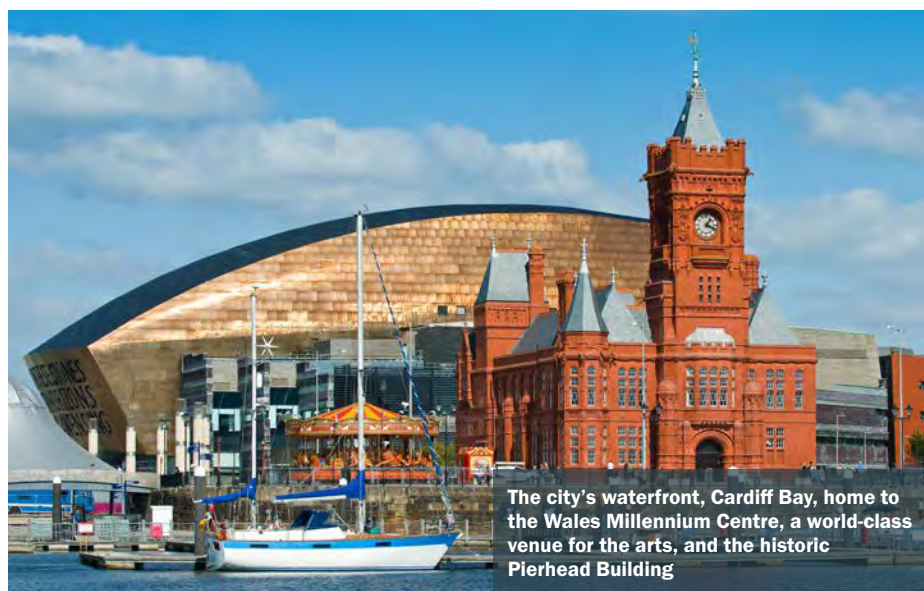
Back in the city, your cultural needs are well catered for with numerous museums, including the National Museum (alongside the University), Techniquet (one of Britain's most successful hands-on science centres), or the acclaimed St Fagans National Museum of History – great for taking visitors to!



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

Nowhere is Cardiff's vitality more evident than in it's buildings. "It flexes newly acquired architectural muscles as if it's still astonished to have them. Such confidence is infectious, and these days it's not just the rugby that draws crowds into the city. Come the weekend, a buzz reverberates through the streets as swarms of shoppers hit the Hayes, followed by waves of revellers descending on the capital's thriving pubs, bars and live-music venues."

**Lonely Planet 2020**



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

## 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, MA)



# A leading university



Part of the  
**RUSSELL  
GROUP**

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 an essential part of a successful, vibrant, friendly 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 our '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.



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.”

**The Telegraph University Guide 2018**

## Cardiff**Connected**

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.

**Fiona** (BSc)



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

# 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 city centre.

The majority of our academic schools can be found here, with the advantage of being only a few minutes' walk from the centre of Cardiff.

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 Wales' largest hospital, University Hospital of Wales, an ideal environment for teaching healthcare professionals in a modern clinical setting.

Committed to investing in our services, Cardiff University is home to new and well-equipped laboratories, lecture theatres, libraries and computing facilities to name a few, with more exciting developments continuously underway.

We take our environmental, safety and security responsibilities seriously, embracing our comprehensive energy, water and waste policy, which is already making great savings

in energy consumption and helping us to do our bit to tackle 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. The range of options mean that you can effectively tailor your course to suit your particular interests and career ambitions. In some degree courses, successful completion will earn you partial or complete exemption from professional examinations.

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.





The majority of academic schools have benefited from major refurbishment of teaching spaces



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. 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

We are partnered with over 200 leading institutions across the world, and our Global Opportunities team will help you to gain valuable international experience through study, work or volunteering. (Please see page 24 for further details.)

### Languages for all

Learn a language for free alongside your degree with our Languages for all programme. (Please see page 24 for further details.)

### Welsh for all

Fancy learning some Welsh while you're here? It's not essential to speak Welsh to study at Cardiff, but it's great to be able to understand a bit of the local lingo. Welsh for all offers you the opportunity to improve your language skills while studying. Our courses are designed to fit around your studies and are free of charge.



### Supporting you

Our student support and wellbeing centres deliver a substantial range of services available to all students and are free, impartial, non-judgemental and confidential, aimed to help you make the most of student life and support you during your study. 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.

We are also rated as one of the best universities for supporting LGBT+ students and are proud to be ranked in the top 10 Stonewall Workplace Equality Index, with our work in this area recognised nationally.

# Building a successful university



£41m is being invested in the 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 scheduled to open in 2021.

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.**

The most recent development has been the opening of a new home in the city centre for our School of Journalism, Media and Culture. Its location is right alongside BBC Cymru Wales's new headquarters, supporting the School to build even stronger industry links and boost student employability.

Our ongoing investment has already delivered state-of-the-art facilities such as the School of Medicine's Cochrane building. Located at the Heath Park campus, it is shared with students studying other healthcare courses and has a range of resources including a clinical skills centre, a high-tech medical simulation centre and a library. Also, at Heath Park campus, the School of Dentistry has a £2m simulation suite.

We are now several years into a multi-million pound rolling programme to refurbish our existing teaching and learning spaces. We have made major improvements to furniture and equipment, such as including

power points to enable you to charge devices, and the work will continue.

Our new buildings and facilities complement our existing historic estate. In 2021, one of our most ambitious projects, the Centre for Student Life, will open, 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.

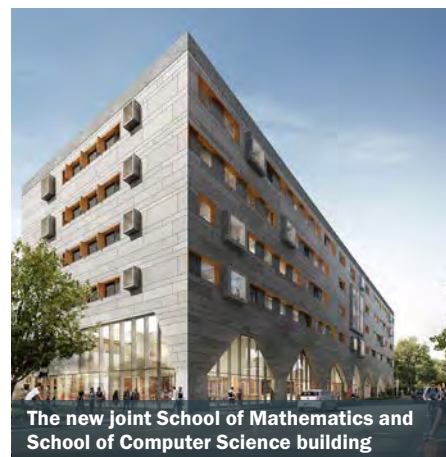
We are also building a new purpose-built joint home for the School of Computer Science and Informatics, and School of Mathematics. This will support the growth of both departments and provide opportunities for greater collaboration and research.

In addition, we are investing in new research facilities at our £300m Innovation campus to help create economic and social prosperity.

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



The Cochrane building, home to the Health Library and School of Medicine



The new joint School of Mathematics and School of Computer Science building

# Among brilliant minds



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, it encourages critical thinking and highlights the provisional nature of knowledge. It encompasses the acquisition of high-levels of subject-specific and generic skills, and nurtures both self-reliance and teamwork, all 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 true ‘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.

## REF2014

Research Excellence Framework

### 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 can engage directly with researchers who are working at the frontiers of knowledge and practice in their fields.

This has contributed to our high-quality teaching which has received robust endorsement of meeting or exceeding UK expectations from the Quality Assurance Agency for Higher Education. Our research culture impacts positively 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. We continually keep our degree structures under review to keep them relevant, so please check our website for latest information.

## Technology-enhanced teaching

Our students benefit from innovative teaching methods. In many of our teaching spaces, our academic staff can record their lectures and make them available on-demand via our student portals. The technology is also used to live stream distance education courses, to record 'flipped' classroom videos, and to record student assignments.

This allows for 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.



We have extensive state-of-the-art laboratories to support our teaching



Guiding Light – our research vessel. Field work forms an important part of several degree programmes



We are 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)



# Graduate success



Cardiff University graduates are highly 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.

**95.7%** of our students are employed or in further study six months after graduation.

**HESA Destination of Leavers Survey 2016/17**

“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

“Cardiff University has a reputation for producing work-ready graduates. They stand out from the rest as they have a range of relevant skills and experiences that equip them to deal with the challenges of the working world.”

**Lorna Culpin** - University Recruitment Manager, TeachFirst

“As a global law firm with an office in Cardiff, the University is a natural source of high calibre candidates for our Cardiff and other UK offices.”

**Catherine Knight** - Emerging Talent Manager, Eversheds Sutherland

“We find Cardiff students are proactive, curious and make a difference in our organisation. These are the types of graduates we like to recruit into our business to make us successful.”

**Melissa Hopper** - Early Careers Talent Acquisition Manager, **Mott MacDonald**

“Cardiff University has some of the best young minds in the country. Their on-campus events always enable us to recruit the highest calibre engineering students for our multinational firm.”

**Mikey Bishop** - Early Careers Coordinator, ARUP



## CardiffConnected

### Callum Drummond

(BSc 2016)

**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 team prides itself on offering you support throughout your studies and after graduation.**

Whether you have no idea what you want to do yet, or you know where your future lies, we will support you to develop and achieve your career goals from the very beginning of your time at Cardiff University. We're here to help guide you through your career journey as you explore, develop, compete and succeed in achieving your career aspirations. We provide support in a range of different ways:

## Online support

- Online activities, information, advice and guidance to help you navigate the different stages of your career journey
- Tailored online support available 24/7 to help you with self-development, career planning, preparing for the recruitment process and job-hunting
- Information and research facilities.

## Face-to-face support

- Bookable appointments with careers professionals linked to academic schools
- Careers workshops and drop-in delivered in your academic school on topics, such as career options, job searching, applications, interviews and assessment centres
- Daily central drop-in service.

## Work experience

- Our dedicated Futures Connect staff, industry insights, short-term placements, summer internships, classroom experience and live business projects

- Connecting students with employers, from micro-businesses and SMEs to large international organisations.

## Do you have a business or social enterprise idea?

If you have an idea for a business or social enterprise or want to gain new skills to help you become more employable, our Enterprise Team is here to help you unlock your creativity and achieve your potential. Our personalised support and guidance package offers you business mentor meetings, start-up workshops, skills development sessions and online tools to help you bring your idea to life.

## Helping you understand and achieve your potential

The Cardiff Award is your opportunity to understand your career potential and get recognised for developing your employability skills, whilst offering practical experience of the recruitment process to help you compete in the graduate job market.

The Award appears on your Higher Education Achievement Record (HEAR) when you graduate, providing university-level recognition of the employability skills and attributes you'll have developed through activities such as work experience, volunteering or involvement in clubs and societies.

## 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:

- An online Jobs Board advertising hundreds of opportunities
- Careers Fairs, both general and sector-specific
- Employer events to enable you to understand the graduate labour market and network with industry contacts.

We can help you on your career journey, from freshers to graduation and beyond.

Find us on social media

 [cardiffcareers](#)

 <https://linkedin.com/showcase/cu-careers-gyrfaoedd-pc>

## 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 165,000-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.

## CardiffConnected

Virtus Tech was created after a Marketing and Strategy lecture in my second year, taught by a great lecturer, Dr Eleri Rosier, who inspired the business idea. After meeting with Eleri to gain expert advice, I decided to pursue the business and now, just five months on, we are working with a wide range of companies. The University has helped us massively.



**George Bellwood**  
BSc Business Management and (Marketing)  
Director, Virtus Tech Ltd

Find out more . . .

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

 [CardiffUniAlumni](#)

 [@CardiffAlumni](#)



### An employer's view

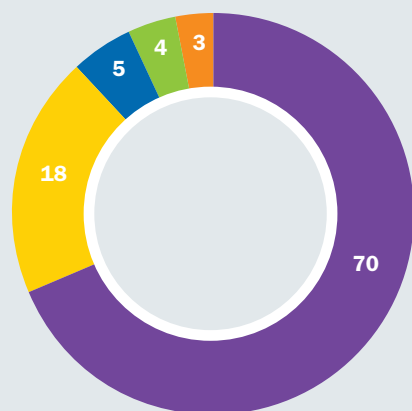
"We have core competencies that we look for and it's not just the degree you can offer, but also the ideas and enthusiasm you can bring. The skills students develop throughout university shape their employability. Our aim is to help students to understand how they can transfer these skills into the workplace. 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	70%
Further Study	18%
Work and Study	5%
Other (inc. travelling)	4%
Unemployed	3%

Source: Destinations of Leavers in Higher Education Survey 2016/17. Survey respondents: 3,327 first degree graduates (UK only).

### Employers targeting Cardiff University include:

ASOS	Government Statistical Services
AECOM	Hargreaves Lansdown
Airbus Group	Herbert Smith Freehills
Allen and Overy	HMRC
ALDI	HM Treasury
Amazon	Hogan Levells
Army	HSBC
Arup	Huawei
Babcock International	Hugh James Solicitors
Boots	ICAEW
British Army	Intellectual Property Office
BBC	IBM
British Council	Irwin Mitchell
BDO	Jaguar Land Rover
BT	Kautex Textron
Civil Service	KPMG
Charityworks	LIDL
Clifford Chance	Lloyds Banking Group
CMS	Deloitte
Confused.com	Microsoft
Deloitte	NHS
EY	Enterprise Rent-a-car
Enterprise Rent-a-car	Network Rail
Everhsheds	Specsavers
FDM Group	Sky
Freshfields	Tata Steel
Frontline	Taylor Wimpey
GKN Aerospace	Turner & Townsend
GCHQ	Unlocked
	Welsh Government



Cardiff has an excellent graduate employment record



# Start here, go anywhere

Opportunities to spend time abroad, learn a language and partake in research can help to enhance your studies.

## 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 27 EU countries through our European exchange 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 or academic year 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 three 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:

- Weekly courses during the semester in a range of languages from beginners to advanced levels, timetabled to avoid clashes with your modules
- Week long crash courses in the holidays if you prefer to learn intensively or want to go up to the next level quickly
- An autonomous learning option, where you can study a language independently or get further practice. This includes language and cultural exchange activities, recommended courses and resources, and targeted language advice.

Programmes will use the latest technology and teaching methods to ensure you are making the most of your language learning.

Languages for all offers classes in Arabic, French, German, Italian, Japanese, Mandarin Chinese, Portuguese, Russian and Spanish. You can choose any language you wish for autonomous learning.

## 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 . . .

Email: [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 global opportunity in China

I initially decided to apply for a global opportunity as I viewed it as the best possible way of improving my CV for future employment opportunities.

After speaking with the Global Opportunities team, I soon realised that such an opportunity would offer a lot more than just 'something to put on your CV'. Although at first I was apprehensive, I knew I needed a new challenge, and to test my limits and capabilities. This was one of the main reasons I chose to undertake an internship in China. I knew that the extreme cultural differences would let me 'jump in at the deep end' and open my mind to a completely different way of living. Furthermore, I also saw China as somewhat of a mystery, as it is not a place where people of the western world visit in huge numbers. I saw China as somewhere completely new and different, and this fascinated me.

On completing my six-week internship in China, I feel that I have benefited hugely from the whole experience. While the global opportunity has given me the confidence to explore places I never would have before, it also offered a means of opening my mind up to different cultures and people and has taught me how to interact with anyone, anywhere in the world, whether that be on a

professional or personal level. As well as all the professional skills I have gained from my global opportunity, such as how to adapt to an international working environment, the opportunity has also provided me with a huge network of new friends all over the world. Overall, the opportunity provided me with the courage to take on anything I want from now on, while it also saw me gain lots of new lifelong friends.

After returning from China and missing the food and the people so much, I have since decided that I would like to live and work in China for at least a short period after graduating, rather than straight into the UK

labour market as I had originally planned. The huge love I developed for China and the Chinese culture during my global opportunity means that it has a place in my heart and I feel obliged to return.

For anyone considering a global opportunity, my main piece of advice would be: do it! I can honestly say it was life changing.

**Mitchell Frost**  
Year 3 Human Geography



# Living in Cardiff



Most of our accommodation is 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 accommodation in your first year, whether it be a student house or hall of residence. University accommodation provides an opportunity to meet and get to know students from a variety of backgrounds, studying a range of different subjects. University accommodation provides a supportive, friendly community with exciting events run by the Residence Life team, to help you settle in.**

#### Guaranteed accommodation

If you accept your offer of a place at Cardiff on a firm basis, you are guaranteed a single occupancy place in University accommodation during your first year, which will be with other first year undergraduate students.

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.

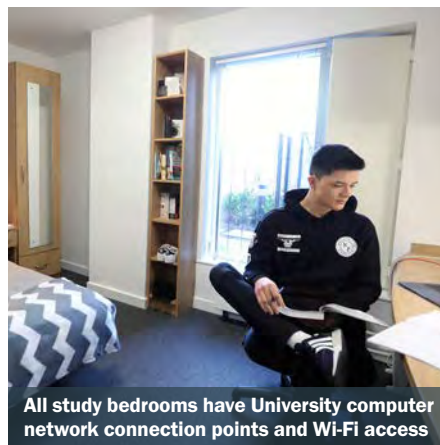
Cardiff is the UK's most affordable university city.

#### Natwest Student Living Index 2019

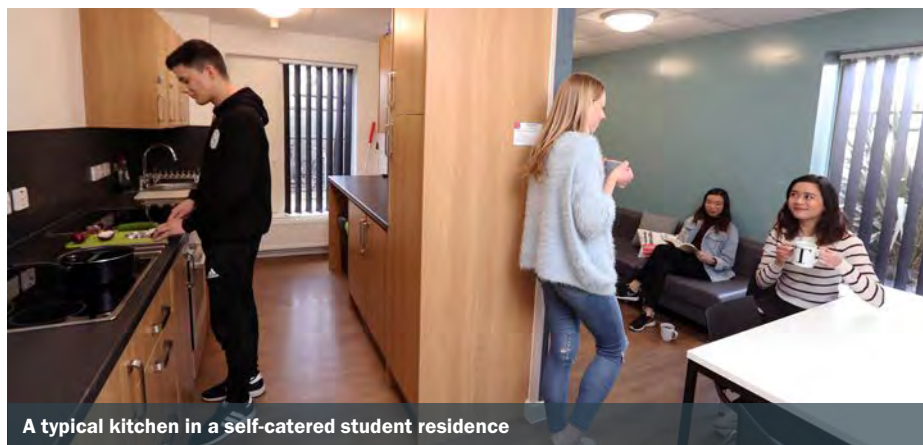
#### A range of accommodation

We continually invest in our student accommodation and carry out annual maintenance programmes. When designing our accommodation we have paid particular attention to the views of students themselves. Unusually for a civic university, most of the accommodation is 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.



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



A typical kitchen in a self-catered student residence

## CardiffConnected

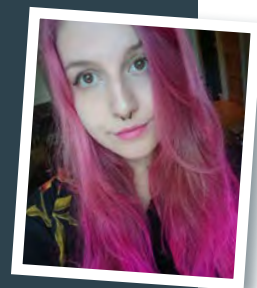
### Living with other people

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



## Residence Life Bywyd Preswyl

### Residence Life

The Residence Life team are dedicated to enhancing your experience in our accommodation. Our staff work in partnership with Student Support and Wellbeing, the Residences Office and the Students' Union, to ensure that you have the best possible time whilst staying in our accommodation. The team are committed to providing a warm welcome and helping you to make a smooth transition into university.

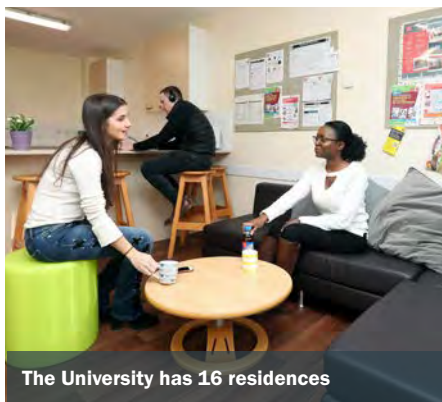
They also help foster a strong sense of community through a range of social events and cultural activities, as well as practical support. The team also provide peer to peer support, and signposting to Student Support and Wellbeing when needed.

### The choice is yours

Self-catered accommodation enables 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 accommodation

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.



The University has 16 residences

### Affordable accommodation

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 accommodation costs approximately £152 per week. A place in self-catered accommodation currently costs between £111-£131 per week (all figures quoted at 2019/20 prices). The cost for **2020/21** will be confirmed during 2020 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 accommodation, and priority is given to students coming from overseas for the first time. All students living in such accommodation 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.

### 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)

### 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-dYlF88](https://www.youtube.com/watch?v=hxzX-dYlF88)

# Meet our students . . .

Want to know more about life at Cardiff University? What your course is like? Or maybe what a typical day is like? Perhaps what clubs and societies you could be involved in? Whether Cardiff's music scene is any good?

**You can find out the answers to these and many more questions now.**

Some of our students are online and can share their experiences of what it's like to be a student at Cardiff University. They can answer your questions – go to: [www.cardiff.ac.uk/courses](http://www.cardiff.ac.uk/courses) and click on the course you are interested in studying and look out for the online chatbox.



**Oliver**

**Oliver**

**5th year Medicine**

Hello everyone! As this is my first time blogging, I thought I'd start with the basics and just introduce myself and my background. As you can see from my bio, my name is Oliver, I'm from Cardiff and I'm currently in my 5th year at Cardiff University. I study Medicine, but this year am doing an intercalated degree in Medical Education. I'm sure this is a foreign concept to most people, so I'll explain. An intercalated degree is where you step out of Medicine for a year and enter the final year of another degree (this has to be related to Medicine). This means all the coursework, deadlines and (eek) the dissertation! Joking aside, it's a great opportunity and so much fun so far!



**Ellie**

**Ellie**

**3rd year Journalism**

Hey! I'm Ellie, a third year Journalism student from Basingstoke. I love all things travel and took a semester abroad in Australia last year as part of my degree. I also went volunteering in Fiji in 2018 alongside other Cardiff uni students – it was incredible! Being a student blogger means I can share all the insights into student life and the opportunities on offer in this fantastic city! I also love being a UniBuddy. It's great to know you're helping prospective students to make a really important decision - I remember how tough it was so it's lovely to be able to share some advice.



**Dan**

**Dan**

**3rd year Electronic and Engineering**

Hi I'm Dan and I'm a third year electrical and electronic engineering student originally from Cornwall.

So far during my time at Cardiff I've spent a year in Germany working, I've spent a semester studying in Arizona, USA, and I've been a committee member of the Airsoft society (as well as many other things!).

I've been making student life Vlogs during and after my adventures abroad, full of really good advice for prospective and new students, so if you're looking to study at Cardiff I highly recommend checking them out!

# Student services

With 1.2 million books, a high-speed IT network with Wi-Fi access, purpose designed study facilities and a comprehensive student support service, we make sure that you are well supported throughout your time at Cardiff.

## IT facilities

Our IT facilities give you access to a range of support, tools and resources to help your study. The University-wide wireless network covers both campuses as well as university owned residences.

Through the university network, you can use a wide range of software applications and collaboration tools. Your university username and password enables you to access online resources and services, including email and networked file storage. You also benefit from a free subscription to Microsoft Office 365 products (Microsoft Office ProPlus) as well as free anti-virus software for the duration of your studies.

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 University, some of which are open 24-hours a day, 7 days a week, are freely available for you to use.

You can access over 1.2m printed books, including multiple copies of recommended text books on reading lists, 60,000 eJournals, 543,000 ebooks 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

Our approachable library and IT staff are experts in their field and always available for advice.

A range of help in using both libraries and IT resources is available. We hold a programme of workshops, seminars and training courses, including an online library induction, which help you to make the most of the resources available to you. We also provide a range of support to enable students with disabilities to access our libraries and IT services.

For specific questions or help, you can get in touch by phone (IT help is available by phone 24-hours a day), online live chat, email or in person. The IT Clinic in the Students' Union also provides advice on common IT issues.

## Your student life supported

The Student Support and Wellbeing Teams are here to support you during your studies. Specialist staff are available to offer confidential advice and support, to help you make the most of your student life. Student support centres are based at the Cathays and Heath Park campuses.

## Supporting your study

To help you adapt to new ways of learning and teaching, as well as living away from home you will be assigned a student mentor from your academic school when you arrive. The student mentor scheme is a team of trained students who offer their personal insights and experiences to help you with any academic and non-academic queries or concerns you may have.

If you have a long-term physical or mental health condition, specific learning difficulty, autism spectrum condition, sensory or physical impairment please contact our Disability and Dyslexia team as soon as possible.

The team will provide you with specialist non-judgemental advice to assist in identifying your support needs, any reasonable adjustments you may require and access relevant support services. They offer support in applications for the Disabled Students' Allowance (DSA) and has an onsite accredited Assessment Centre which provides DSA Needs Assessments.

To help you with your studies and improve your grades you have access to academic study skills classes. Run throughout the year, topics include revision, note taking, critical reading and essay writing.

## Looking after your health and wellbeing

We believe it's crucial that you look after your health and wellbeing to help you make the most of your student life.

If you are experiencing personal, emotional or psychological difficulties, or just interested in living a healthier lifestyle, our health and wellbeing team can help. We provide a wide range of support including: self help resources,



Our new Centre for Student Life will open in 2021 and will provide a central hub for student support services



a peer to peer support programme, workshops, courses and groups, wellbeing drop-ins, counselling appointments and referrals for further specialist support.

Our occupational health team, based at Heath Park campus provide support to healthcare students in preparation for your course and placements.

We also have Park Place GP surgery if you live in catchment area. This service is provided as a joint collaboration between us and Cardiff and Vale University Health Board.

### Support for students living in university accommodation

We want you to make the most of your time in halls of residence. Our Residence Life team are dedicated to creating a community within residences where you feel a sense of belonging and inclusion and encourage you to get involved in activities and share your experiences. Where appropriate, they will signpost you to support services to help you make the most of your student life and achieve your personal goals and aspirations.

### Managing your money and practical advice for living in Cardiff and the UK

If you need advice, information or assistance with visa and Immigration advice, or student funding, bursaries, scholarships, charities or trust funds, our Advice and Money team can assist you. The team can also help you with your money skills, budgeting and emergency money should you need it. As well as providing advice on housing, changes in circumstances, adjusting to life in Cardiff.

### Preparing for your future

We encourage you to make the most of your time during your studies to develop your skills and experiences. Our Careers and Employability and Global Opportunities teams can assist you with your career planning and encourage you to start in your first year. The teams are available to support you with exploring your options, gaining experience in the UK and spending time abroad, developing your skills and competing for jobs. The teams can support you in improving your prospects and developing the skills and attributes employers look for.

Student Support and Wellbeing teams offer a range of appointments, drop-ins, group sessions, workshops, events, peer-to-peer support and self-help resources.

### 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 eyesight examined.

### University Chaplaincy

Our Chaplaincy is made up of Christian (Catholic, Church in Wales (Anglican), Methodist, and Eastern Christian), Hindu, Jewish and Muslim chaplains. All are available on campus or via the University website. They are here to assist you with any pastoral and spiritual matters.



Our student mentor scheme helps you meet some of the challenges of starting university



Day care facilities are available for the children of students

## Find out more . . .

[www.cardiff.ac.uk/study/student-life/student-support](http://www.cardiff.ac.uk/study/student-life/student-support)

Email:

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

Tel: (029) 2087 4844



studentlifecu

[www.youtube.com/Cardiffuni](https://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



# Students' Union

Our Students' Union is ranked third in the UK.\*

**Our Students' Union is at the heart of the Cardiff student experience. As a student-led, independent part of the University, the Students' Union is there to represent your academic interests as well as providing you with a range of diverse activities to help you make friends and build a community during your time at university.**

## The heart of student life

As well as providing activities and services that promote inclusion, friendship, wellbeing and personal development, the Students' Union also offers advice, training, skills development, entertainment, volunteering opportunities and employment.

With more than 200 societies and over 60 sports clubs, we do all we can to help you make the most of your time in Cardiff.

If you're not sure you want to fully commit to a club or society, the Give it a Go programme offers you the chance to try out a whole host of activities from sports, arts and student politics, to day trips and weekends away.

You also have the opportunity to get involved in our award-winning media including the student newspaper, Gair Rhydd, a lifestyle magazine called Quench, and the Students' Union's own radio and TV stations, Xpress Radio and Cardiff Union TV.

## Skills development, volunteering and work opportunities

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.

## Home of the student voice

The Union works constantly to take your views to where they count and works in partnership 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.

## Entertainment and services

The Students' Union is based in a purpose-built building on Park Place at the Cathays Park Campus, and in the IV Lounge at the Heath Park Campus. It 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.

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 Ellie Goulding and Ed Sheeran.

You will find a range of shops and services including a coffee shop, a barber's, a bank, a bookshop and a supermarket. The Union also has its own clothing store and letting agency.

## Supporting you

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 advice service for all kinds of issues, such as housing, finances and academic issues, as well as supporting students' welfare and wellbeing.



Y Plas, the Union's latest venue

\* Source: What Uni Student Choice Awards 2019

“Cardiff has one of the biggest, best and most active students’ unions in the UK, with high quality facilities including Y Plas, a 2,150 capacity nightclub; and the Great Hall, a major concert venue”

**Complete University Guide, 2019**



The Union has its own TV and radio stations

## CardiffConnected

Jody Tozer (BA) 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 Films. 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.



Find out more . . .

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

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

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

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

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

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

# 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 a wide range of indoor and outdoor sports facilities. Our multipurpose sports halls accommodate training and matches for many of the university sports clubs, with a fitness suite, conditioning room, glass back squash courts and cricket nets also available here. Outdoor facilities include floodlit artificial pitches and tennis courts. 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, this facility offers three floors of cardio, resistance and weights equipment. The fitness suite houses a broad range of resistance-based equipment and cardiovascular machines, with a state-of-the-art strength and conditioning provision on the top floor. This provision includes Olympic lifting platforms and functional training equipment, maximising the potential and competitive edge for elite athletes. 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. Our friendly and personal approach to health and fitness includes personal training, individual programme design, fitness testing and nutrition advice.

### Studio 49 – Park Place

Located close to the city centre and the University's Main Building, Studio 49 is a modern dance studio hosting a wide range of fitness classes. Some of our most popular classes include Pilates, yoga, indoor cycling and Zumba.

### Sports fields – Llanrumney

This outdoor sports complex comprises of 33 acres of first-class grass pitches (one floodlit) and 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.

This facility has also welcomed many travelling international rugby and football squads for training.

### Sports clubs

There is an extensive offer of sports clubs at the University, with opportunities to participate at an elite or recreational level. Currently there are over 60 Athletic Union clubs for men and women, ranging from traditional sports, such as rugby and cricket, to martial arts, motorsports and dodgeball. 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. Many of the university sports clubs compete at the very highest level, competing in the BUCS Premier League for their respective sport. We are consistently ranked amongst the top UK universities competing in the BUCS competition. We also have an extremely popular intra-mural games programme with over 100 teams competing weekly in netball, football and rugby.

### High performance sports programme

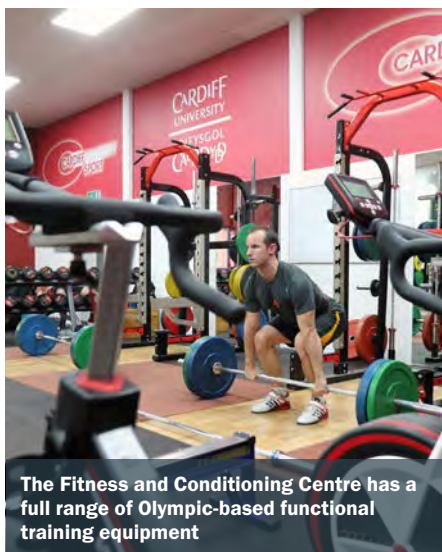
Our High Performance Programme provides elite sportsmen and women with a comprehensive support programme to ensure that they have the necessary environment to excel in their given sport. Areas of support include; lifestyle management and academic support, physical preparation such as physiotherapy, sports massage and strength and conditioning coaching, as well as the potential for financial award. Cardiff University, together with Cardiff Metropolitan University and the University of South Wales, forms one of the UK's six centres of cricketer 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 has 33 acres of top quality grass pitches for outdoor sport

### Sports Clubs include:

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



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

We are consistently ranked amongst the top UK Universities competing in the British University and College Competition (BUCS).



## 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 Biosciences 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.



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.

## 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



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 7,900 students from more than 120 countries choose to study at Cardiff University joining our diverse and multicultural student community.

## Before leaving home

A friendly welcome starts from the first time you contact us. A dedicated and personal service from the International Office will support you throughout your application journey and provide you with any advice and guidance when needed.

## Accommodation guaranteed

We are pleased to guarantee single occupancy on-campus accommodation to all international students applying through the normal admissions cycle for the length of their degree programme. You will have your own bedroom during term-time as well as vacation periods.

## 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 will 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 make friends. You can also join any of the numerous Students' Union social and sporting societies.

## At Cardiff University

### Support throughout your studies

A comprehensive range of services are available to help you make the most of student life. This includes welfare advice and support from our Advice and Money team, Wellbeing and Counselling team, and Careers and Employability service. Our international student support team has specialist advisers who can help with issues such as visas, immigration, housing or anything else you may wish to talk about. All students are also assigned a personal tutor to guide and support you with academic and non-academic needs throughout the duration of your degree programme.

## 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 can 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. After graduation, you will become part of a global network of over 165,000 Cardiff University alumni. 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. Our accommodation is just a short walk to academic schools and the city centre, meaning you won't waste money paying for unnecessary travel. The **estimated** living expenses for a single student living in University-owned self-catered accommodation during term time (nine months/40 weeks) is £9,980.



## 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 who will be very happy to advise you as to whether your qualifications are acceptable and what grades you will need: [international@cardiff.ac.uk](mailto:international@cardiff.ac.uk).

## 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 English Language qualifications and the scores usually required 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.

\*Requirements may differ for some courses and in addition to the overall grade, you may be required to achieve a certain level in sub-scores.

# #weareinternational



## 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)

## 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

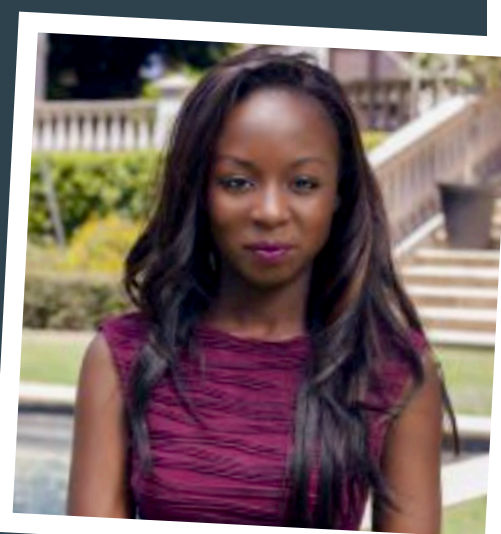
Tanla Hablmana is the creator and host of African TV show Tailored Business where she interviews entrepreneurs and fits them for a suit.

**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](http://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



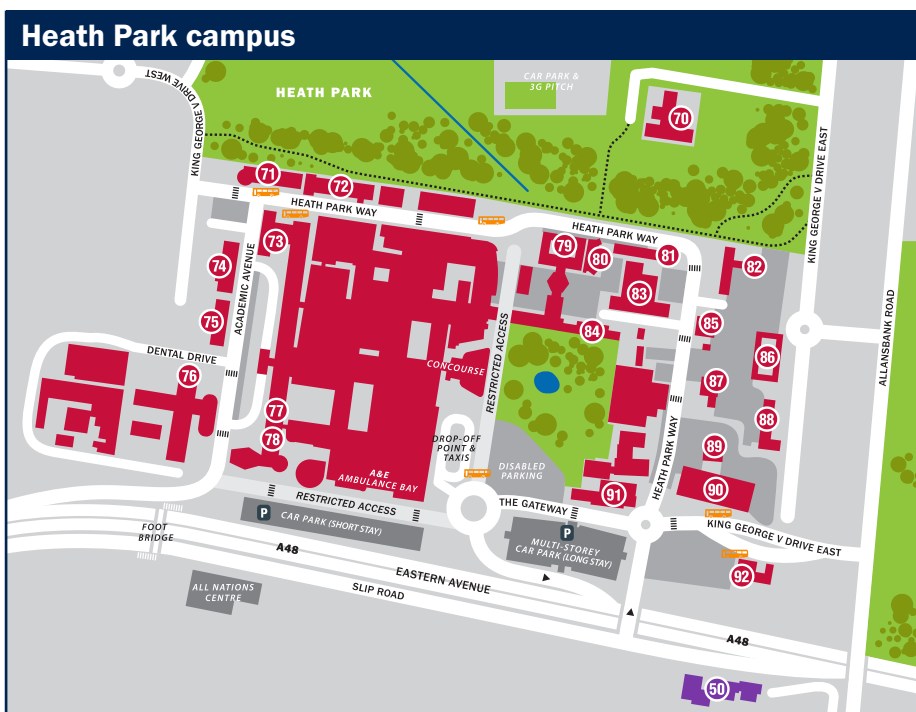
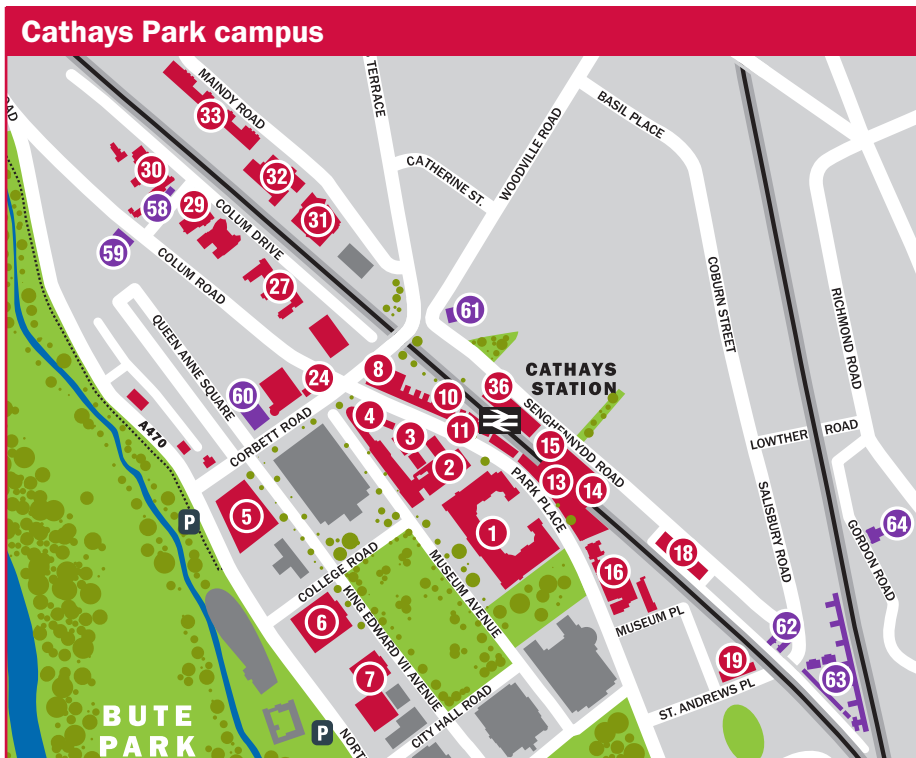
**Directions**  
 For door-to-door directions to Cardiff, go to: [www.cardiff.ac.uk/visit/directions](http://www.cardiff.ac.uk/visit/directions)

**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
Centre for Student Life	13
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
Healthcare Sciences	22
History, Archaeology and Religion	27
International Office	20
John Percival Building	27
Journalism, Media and Culture	35
Julian Hodge Building	29
Law	4
Main Building	1
Maths	18
McKenzie House	23
Modern Languages	8
Music	24
New Maths and Computer Science Building	36
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

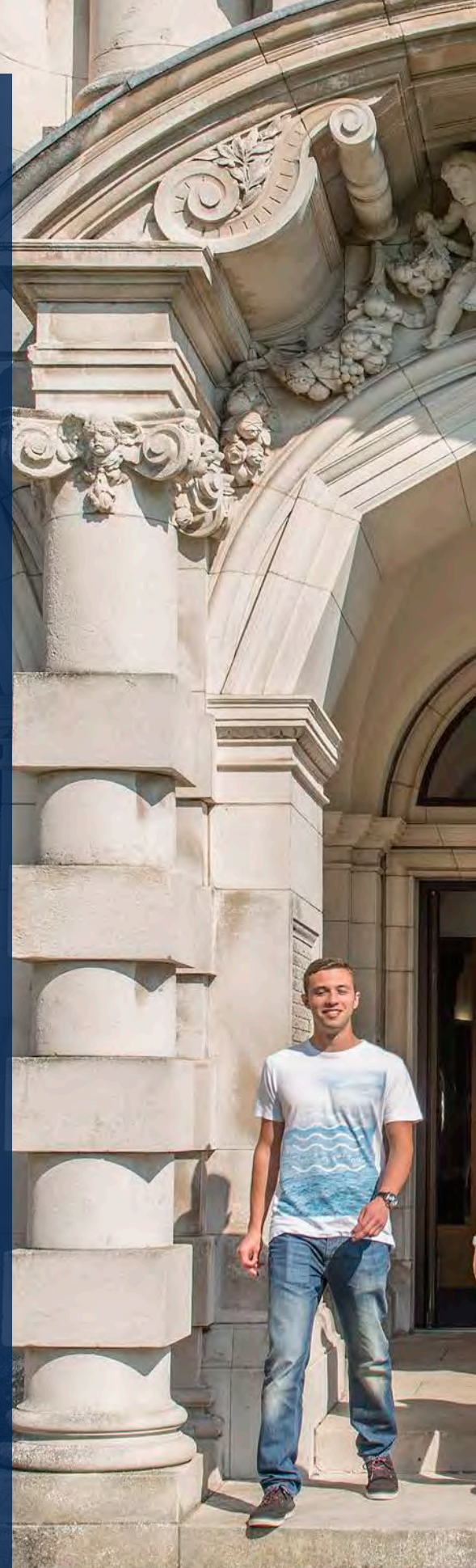
by Academic School

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 (including 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 2019.
- Graduate destinations statistics are based on HESA Destination of Leavers of Higher Education, 2016/17.
- Research quality statistics are based on our performance in the 2014 Research Excellence Framework.



Throughout the degree programme pages you will notice a combination of symbols appearing at the top right-hand corner of the School's title page. The symbols are there to alert you to the fact that some of the degree programmes:



**are professionally accredited**



**offer a year abroad as part of your study**



**offer a professional placement as part of your study**



# Architecture

Professionally  
accredited 



## Why choose **Architecture** at Cardiff University?

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

**100%** of our graduates are in graduate employment 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.

The School is consistently ranked in the world's **top 50** schools of architecture in the QS World Rankings.

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 the latest information.

**A-level:** AAA/A\*AB or AAB with an A in EPQ. We prefer a good academic balance of skills in Art/Design subjects, with other Science/Maths or Humanities subjects.

**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.

**BTEC:** DDD (QCF)/DDM (RQF)

**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 eight-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

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

Download the 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 +44 (0)29 2087 5963

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



@WSofArchi



wsolfarchi

**Making is at the heart of the School** and our cutting-edge facilities such as an architectural robotics lab, a digital fabrication lab and a machine workshop with assembly space, help students to bring their ideas to life. The facilities have recently been expanded considerably.

## Careers

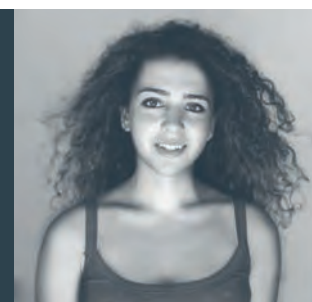
**Job roles** - Architect, urban designer, researcher automotive design, construction, PR, web design, construction, set design and project manager.

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

## CardiffConnected

“What I love about the Welsh School of Architecture is how much it feels like a family. Every staff member knows the students by name and the support I have received from peers has been extremely helpful in the stressful times. The most important lesson I’ve learnt was understanding how much our designs can have an impact on society. If I was to give any tips to new architecture students, it would be to enjoy your designs, don’t be scared to try new things, be bold! After all, as a student you have the freedom to explore concepts and push your creativity. This is the time to experiment.”

**Dolunay**, 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.

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 2:1 class degree or higher.

### BSc in Architectural Studies

#### Years one to three (RIBA Part 1)

After completing the BSc programme you should be able to:

- master fundamental concepts and acquire an ability to access information concerning:
  - the constituent disciplines of architectural design
  - the basic disciplines of architecture.
- 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:

- studio-based project work, which takes up two thirds of this programme.
- 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.
- 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 of two years of study, the first of which is based predominantly in practice, the second is based at the School. Entry to the MArch is invited from graduates from other Schools who have at least an upper second class degree from an ARB/RIBA Part 1 accredited School.

BSc Architectural students can choose to automatically progress onto the MArch within the School, provided they meet the required standard of a 2:1 or above in their BSc.

After completing the MArch programme you should be able to:

- extend design experience and knowledge to include the design of more complex buildings and the demands of urban design and, in doing this, to aspire to the highest standards of architecture.
- 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.
- 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 work-based learning 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. You will find your 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 align to the School's seven research and scholarship groups: Design, Construction and materials; History and Theory; Computational Methods in Architecture; Urbanism; Energy, Environment and People; Heritage and Conservation; Professional Studies and Practice.
- 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 and respected external academics and practitioners. 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 reflective practice and practice management and economics.

### Examinations

Examinations are normally held at the end of the year.





## Why choose **Biosciences** at Cardiff University?

Our **flexible curriculum** lets you tailor your degree to your interests and career aspirations.

**93%** of our graduates are in employment and/or further study six months after graduating.\*

We are home to the **Wales 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)

Biological Sciences at Cardiff University is ranked **25th in the world** and within the **UK top 5.**

Source: 2019 Academic Ranking of World Universities

**98%** of our submitted research rated at international standard, with **84%** classed as '**internationally excellent**' or '**world-leading**'.\*

## Degree programmes/ UCAS codes

### Single honours

#### Biological Sciences (BSc)

(Three years)	C100
(Four years*)	C101

#### Biological Sciences (Zoology) (BSc)

(Three years)	C300
(Four years*)	C301

#### Biochemistry (BSc)

(Three years)	C700
(Four years*)	C701

#### Biomedical Sciences (BSc)

(Three years)	BC97
(Four years*)	BC9R

#### Neuroscience (BSc)

(Three years)	B142
(Four years*)	B143

#### Biological Sciences (MBiol)

(Four years)	L9Y7
(Five years*)	6FK9

#### Biochemistry (MBiochem)

(Four years)	386N
(Five years*)	873C

#### Biomedical Sciences (MBiomed)

(Four years)	51T8
(Five years*)	52G9

#### Neuroscience (MNeuro)

(Four years)	37JL
(Five years*)	4K5G

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

### Further degree options

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

#### 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 the latest information.

**A-level:** AAB-ABB including a B in Biology or Chemistry. A pass in the practical element of the science A-level (where applicable) is required.

For students taking the EPQ qualification, an A in the EPQ will lower the entry requirements by a single grade. For example an AAB offer would be 'AAB from 3 A-levels or ABB from 3 A-levels and a Grade A in the EPQ'.

A second science subject would be beneficial but is not required. Common suitable second sciences include Chemistry, Maths, Physics, Psychology, Physical Education, Environmental Science and Geography.

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.

**Integrated master's:** AAA-AAB 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:** IB Diploma with an overall score of 34-32 including grade 6 in Higher Level Biology or Higher Level Chemistry – or – IB Diploma with 655 at Higher Level including 6 in Biology or Chemistry.

**Integrated master's:** IB Diploma with overall score of 35 Points including a grade 6 in Higher Level Biology or Chemistry – or – IB Diploma with 666 to include Higher Level Biology or Chemistry.

#### BTEC Extended Diploma in Applied Science:

**BSc and Integrated master's:** DDD in the RQF Extended Diploma in Applied Science or Animal Management, with D in all of the core/mandatory units.

#### Access to HE qualifications:

The Access to Higher Education Diploma (Biosciences or Science) 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 master's: 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 qualifications in subjects suitable for year one entry.

#### 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

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions tutors:

**Dr Andrew Shore** and **Dr Zoe Prytherch**

All degrees:

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

Tel: 029 2087 4296 +44 (0)29 2087 4296



## From gaining new insights into rare neurological conditions, to protecting the world's wildlife and natural habitats, bioscientists have a vital role to play in all areas of society.

Wherever your interests lie, a degree in the biosciences offers an exciting opportunity to study an important and wide-ranging subject area, that has plenty of scope for innovation, discovery and adventure.

### The choice is yours

One of the great things about studying at the School of Biosciences is that you have the freedom and flexibility to choose your own adventure and build a degree that matches your interests and career aspirations.

- Choose to maintain a wide breadth of interdisciplinary learning or opt to specialise in a particular area.
- Gain valuable professional experience by taking a sandwich year or prepare for a career in research with one of our Integrated master's degrees.
- Practice your research skills in the laboratory or explore the world's ecosystems with our project-based field courses.

All of our degrees begin with a common first year, which provides a firm foundation in core bioscience topics and develops your scientific skills. The remainder of the course offers a truly flexible programme which enables you to select the degree pathway that best fits your interests and aspirations.

Depending on your module choices, you may, if you wish, graduate with a different degree to the one you entered on, including one of our three additional degrees in anatomy, genetics and physiology. This system offers more choice and control over your studies, and the modules you choose will determine your final degree title.

### Research with impact

We have an international reputation for carrying out high-quality research that can make a real difference to the world we live in. We have a broad range of research, expertise across four key areas – molecular biosciences, neuroscience, organisms and environment, and biomedicine, and all of our courses are informed by our research strengths.

We offer you the excitement of learning in an active research environment, and you will be taught by world-leading researchers who are working to find solutions to key global challenges – from developing strategies to preserve endangered species, to discovering new ways to tackle cancer. You will also have opportunities to develop your own research skills, with regular practical laboratory sessions, optional field courses (see page 50) and an independent research project.

### Innovative teaching

We have a strong commitment to teaching excellence, and you will be taught by researchers who are world leaders in their field. Our courses combine scientific theory and practical research sessions, and we use a variety of innovative teaching approaches, such as 'flipped classroom', collaborative

learning activities and peer-teaching, for a dynamic and engaging learning environment that helps you to develop your abilities as a scientist.

### High-quality facilities

As a student at the School of Biosciences, you will enjoy access to well-equipped modern laboratories, and we attract substantial external research funding which will allow you to make use of the latest equipment, techniques and facilities in your project work. Students can also benefit from a brand new, £1.9m e-learning and e-assessment facility. With 165 new workstation computers, an interactive AV system, huddle working pods, multimedia communications and imaging facilities, this resource increases opportunities for interactive teaching activities, enhancing the overall student learning experience.

### Personalised support

We pride ourselves on providing a welcoming and supportive environment for all of our students and, whatever degree pathway you choose, you can be sure that our experienced staff will be on hand to guide and support you through the process.

You will be assigned a personal tutor who will be available to offer support, advice and guidance on both academic and personal matters. We also have an established student mentor programme, where more experienced students offer support to those who are new to the University.

## Careers

From cancer researchers to carnivore keepers, ecologists to science bloggers, our graduates go on to enjoy a wide range of successful and rewarding careers.

A significant proportion of our graduates go on to study a PhD or Master's degree, while many others pursue successful careers in science-related fields such as:

- agro-industry
- biotechnology
- conservation and environmental management
- healthcare
- medical research
- molecular biology
- public health
- research and development
- science communications and journalism
- scientific publishing
- wildlife management and research

A bioscience degree can act as a stepping-stone to further training in professional areas including teaching, medicine, dentistry, nursing, and veterinary science. Our graduates also have many transferable skills that are attractive to a wide range of employers in other industries.

Our students have an excellent reputation for finding employment after graduation. Our most recent data shows that 93% of our graduates were in employment or further study within six months of graduating.

## CardiffConnected

"Cardiff University School of Biosciences has been my home for the last eight years, shaping me from an undergraduate student who discovered an interest in cancer cell biology. They nurtured my talent to allow me to become the cancer researcher I am today."

**Stephanie**, postdoctoral researcher



## Our common first year

At Cardiff University, 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 is similar, we deliver a broad year one curriculum with a common starting point, which enables you to progress and divert into more specialised areas of learning later in the course. 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 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 research-based placement in industry or academia.

Furthermore, depending on availability and academic attainment, you may also have the opportunity to change your course to one of our integrated master's 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 following modules:

- 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 your module choices you may, if you wish, graduate with a different degree to the one you entered on, including one of our three additional degrees in Anatomy, Genetics and Physiology. This system offers more choice and control over your studies, and the modules you choose will lead to your final degree designation.

## Course modules

The modules you choose in years two and three will determine your final degree title. Our tutors will guide you through the options available to ensure that you graduate with a degree that reflects your interests and aspirations.

### Year one

All of our students follow a common first year, which comprises six 20-credit modules and provides a firm grounding in core bioscience subjects.

- Skills for Science
- Structure and Function of Living Organisms
- Organisms and Environment
- The Dynamic Cell
- Biological Chemistry
- Genetics and Evolution

### Year two

In year two, you will study three 40-credit modules from the selection below.

- Animal Diversity and Adaptation
- Genetics and its Applications
- Ecology and Conservation
- Cell Biology
- Biochemistry
- Developmental and Stem Cell Biology
- Molecular Biology of the Gene
- Physiology
- Concepts of Disease
- Practical Anatomy
- Brain and Behaviour
- Fundamental Neuroscience

### Year three

In year three, you will complete a 30-credit research project along with three additional 30-credit modules. Students on the integrated master's degree will complete a module in Advanced Research Techniques in place of the research project.

- Biosciences BSc Final Year Project (BSc students only)
- Advanced Research Techniques (integrated master's students only)
- Plants for the Future: Frontiers in Plant Science
- Ecosystems, Sustainability and Global Change
- Evolution and Adaptation
- Biodiversity and Conservation Biology
- Infection Biology and Epidemiology
- Systems Biology and Modelling
- Current Topics in Development, Stem Cells and Repair
- The 'Omics Revolution' (Bioinformatics and Functional Genomics)
- Advanced Cell Biology and Imaging
- Genes to Genomes
- Synthetic Biology and Protein Engineering
- Contemporary Topics in Disease
- Cancer: Cellular and Molecular Mechanisms and Therapeutics
- Advanced Musculoskeletal Biology and Tissue Engineering
- Advanced Anatomy
- Advances in Physiology and Pathophysiology
- Neurobiology of Brain Disorders
- Systems Neuroscience

### Year four (integrated master's degree)

In the final year of the integrated master's degree, you will study two 20-credit modules and complete an advanced research project worth 80-credits.

- Advanced Research Project
- Advanced Research Methods
- Frontiers in Biosciences

Please note that modules may be subject to change. Prior to applying, please check our website for the final module list and accompanying descriptions.

Some module combinations may be restricted by timetabling and space constraints.

## MBiochem/BSc Biochemistry

Biochemistry is the study of the molecular basis of life and it is a subject that has a rich history of scientific discoveries, from enzymology and metabolic pathway to the discovery of genes and the structure of DNA.

Through this course, you will learn how biochemistry and biomolecular sciences contribute to advances in all biological disciplines, including medicine and biotechnology. You will receive extensive hands-on training in laboratory techniques and gain practical experience of widely transferable skills in computing, statistics, data analysis and presentation. From year two, there is an emphasis on the experimental basis of biochemistry, and you will get to take part in practical sessions that cover modern research techniques such as recombinant DNA manipulation, protein purification and immunodetection.

Alongside modules in biochemistry and molecular biology, this course embraces important new areas, such as genomics and genome editing, synthetic biology and protein engineering. You will also have the opportunity to combine biochemistry-specific modules with other modules on offer at the School of Biosciences.

Our Biochemistry degree provides an excellent foundation for careers within all areas of the biological and molecular sciences, and offers strong training for future research scientists.

## MBiol/BSc Biological Sciences

Biological science is the study of life itself – from the smallest living organism to the largest. It is a fascinating subject that will give you a greater understanding of the world around you and how it works.

Combining scientific theory with practical laboratory and field work, our research-led Biological Sciences degree provides the greatest possible choice and flexibility, allowing you to choose modules across virtually the whole breadth of subjects on offer at the School, including, but not limited to, zoology, plant biology, ecology, evolution, genetics, disease, neuroscience, microbiology, biochemistry, and developmental and stem cell biology. You can decide how your degree develops, opting to specialise in a particular area of biology or maintain a wide breadth of interdisciplinary learning.

We also run a range of exciting field courses in the UK and overseas, giving you the opportunity to develop and hone your skills as a field biologist.

Our graduates have gone on to further study and employment in a number of different areas, including biological research, pharmaceuticals, science communications, marine biology, conservation, and environmental consultancy, as well as a whole host of non-scientific careers.

## BSc Biological Sciences (Genetics)

The appearance, function and behaviour of all living organisms is largely determined by their genes. Genetics is the study of the structure and function of these genes, and how this knowledge can be used to improve aspects of life. It is a vibrant and fast-growing area of study that has applications across the breadth of the biosciences, from biodiversity, conservation and crop improvement to diagnostics and treatment of disease.

With modules in molecular genetics, bioinformatics and genomics, you will gain an in-depth understanding of core genetics principles, as well as having the opportunity to practice DNA engineering techniques. These core topics can be combined with other subject areas, such as conservation, evolution, stem cells, biomedical genetics, microbiology, and plant science, enabling you to build a degree that is tailored to your specific interests and career aspirations.

To study BSc Biological Sciences (Genetics), please apply for Biological Sciences, Biomedical Sciences or Biochemistry (depending on where your interests lie). You can then choose the appropriate modules to graduate with a genetics-specific degree.

## BSc Biological Sciences (Zoology)

Zoology provides a real insight into the roles of all kinds of animals in their ecosystems.

This is vital knowledge if we are to maintain healthy natural environments, control pests and diseases, conserve biodiversity and preserve endangered species.

This degree is aimed at anyone interested in the broad field of animal biology. It is a truly interdisciplinary course that draws on the research strengths found throughout the School. As well as covering the evolution, diversity, and behaviour of the main animal groups, you will also have the opportunity to select from a number of other modules on offer at the School, including ecology, physiology and genetics, enabling you to build a degree course that fully reflects your zoological interests.

We have particular expertise in behaviour and brain function, and both behaviour and neuroscience form part of this course. This degree also includes plenty of opportunities for practical field work, enabling you to develop valuable field research techniques.

Our Zoology graduates enter a broad range of careers, including marine biology, ecology and conservation, research and development, and wildlife management.



Our range of field courses in the UK and overseas enable you to develop your skills as a field biologist

## **MBiomed/BSc Biomedical Sciences**

Biomedical Science underpins all medicine and medical research, and our Biomedical Sciences degree gives you the opportunity to study a wide range of subjects including human physiology, human anatomy, disease processes and their treatment, 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.

Compulsory modules on disease, physiology and pathophysiology can be combined with other modules from across the School of Biosciences, enabling you to follow a personalised degree pathway that is tailored to your interests and aspirations.

The School also plays a lead role in the University's European Cancer Stem Cell Research Institute and Medicines Discovery Institute, allowing access to a wide range of exciting training opportunities.

This course offers a solid foundation for further study, or for a broad range of careers within the biomedical sciences. As one of the recognised 'feeder' degrees for Cardiff University's Graduate Entry to Medicine programme, it also offers a potential pathway into medicine.

## **BSc Biomedical Sciences (Anatomy)**

Anatomy is the study of the structure and function of the human body, and it is an essential building block of modern medicine.

Our Anatomy degree blends traditional approaches with modern digital techniques to provide you with a stimulating and interactive degree programme. You will study practical and advanced human anatomy alongside musculoskeletal science, stem cell biology and tissue engineering. You can also select additional modules on offer at the School of Biosciences, enabling you to tailor your degree to fit your interests.

As home to the Wales Centre for Anatomical Education, we are the only university in Wales (and one of just a small number in the UK) to allow students to undertake full body dissection under the direction of skilled anatomical and educational experts, offering you the rare opportunity to gain hands-on experience and an introduction to surgical skills.

To study Biomedical Sciences (Anatomy), please apply for our BSc Biomedical Sciences degree. You can then choose the appropriate modules to graduate with an anatomy-specific degree. Please note that places are limited and subject to an application process in year two.

## **BSc Biomedical Sciences (Physiology)**

Physiology is the study of how the body works, exploring the interacting mechanisms that control and regulate the normal functioning of the human body. The subject is unique in offering an integrated study of molecular, cellular, systems and whole-body function in health and disease.

This degree will give you a thorough grounding in physiology, enabling you to learn how the body responds and adapts to the challenges of everyday life and what can go wrong in disease. There is strong emphasis on the experimental basis of the subject, and you will become familiar with scientific developments and their impact. In your final year, you have the opportunity to take modules that reflect the School's expertise in cell physiology, neurophysiology and pathophysiology.

To study Biomedical Sciences (Physiology), please apply for our BSc Biomedical Sciences degree. You can then choose the appropriate modules to graduate with a physiology-specific degree.

## **MNeuro/BSc Neuroscience**

Neuroscience is the study of the nervous system, from the molecular processes taking place in nerve cells to the functioning of the mind. How the human brain works remains one of the most intriguing of all scientific questions. Can the brain understand the mind? Is the brain a giant computer or something more? Our Neuroscience programme explores these questions and more, using approaches that range from the biochemistry and physiology of nerve cells to a psychologist's investigation of the machinery of the mind.

You will study topics in cellular neurophysiology, neuropharmacology, the anatomy and development of the human brain, psychological and behavioural analysis, practical neurophysiology, neuronal cell signalling, and neuro stem cell biology. Your final year modules will cover current research on the biology of nervous system disorders, sensory processing and perception, neuronal development and plasticity.

The recent growth of this subject is due in large part to the important contribution neuroscience is making to the understanding of mental and other neurological disorders. Cardiff University is home to the Neuroscience and Mental Health Research Institute, the MRC Centre for Neuropsychiatric Genetics and Genomics, the Dementia Research Institute, the Medicines Discovery Institute, and the Cardiff University Brain Research Imaging Centre, offering access to exciting training opportunities.

## **Integrated master's programmes (MBiol, MBiomed, MBiochem, MNeuro)**

Our integrated master's degrees in Biological Sciences, Biomedical Sciences, Biochemistry and Neuroscience offer the opportunity to take your studies to the next level and explore the current frontiers of knowledge in your chosen field.

With training in advanced research techniques, and a bespoke independent research project on a topic of your choice, they provide an excellent platform for a career in scientific research, as well as broadening your skill base for future employers. The high degree of subject specialisation and knowledge gained during the course will enhance your employability in both research and commercial bioscience sectors.

You can apply for one of our integrated master's degrees via UCAS (see entry requirements, page 46). Alternatively, you can choose to switch from a BSc to an Integrated master's degree before year three, subject to space constraints and academic performance (requires an average mark of more than 60% in years one and two).

If you enter on an integrated master's programme, progression beyond year two is subject to academic performance, with the option to switch to a BSc if required.

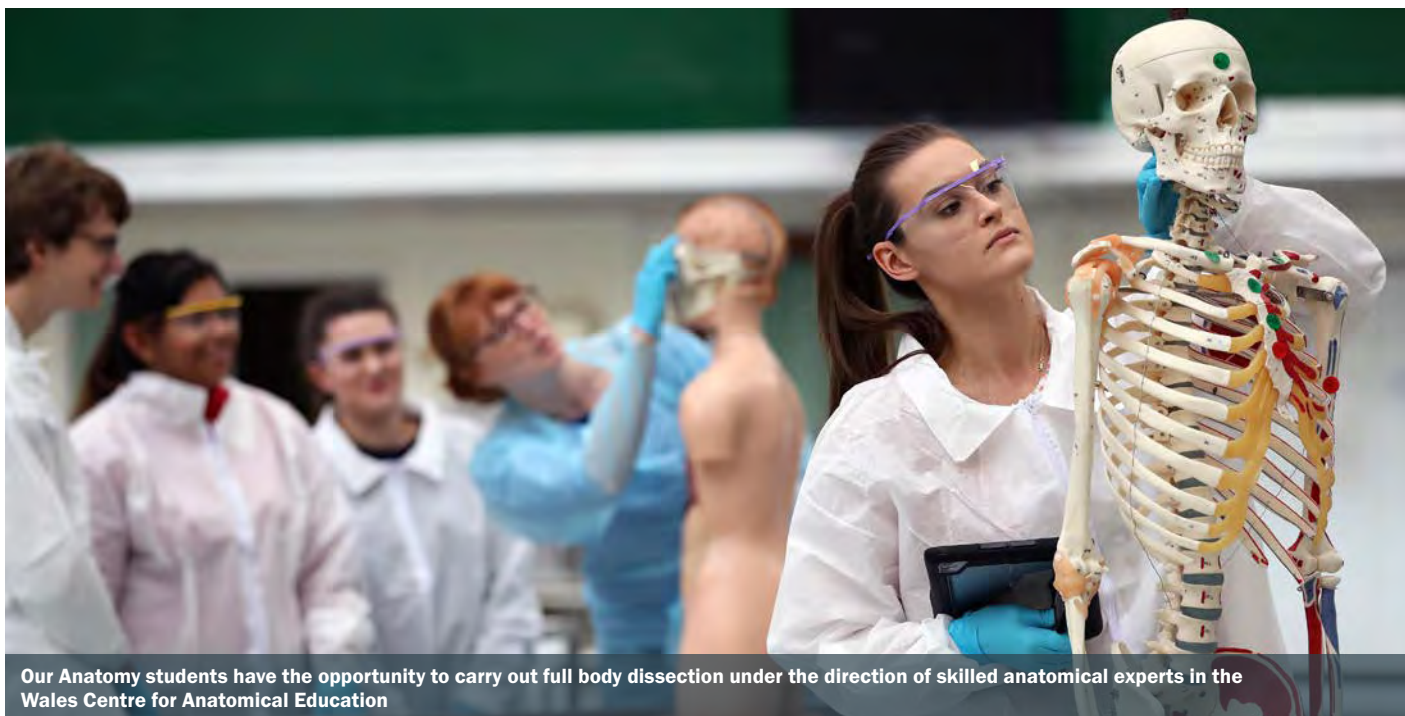
Our integrated master's degrees are also available with a professional training (sandwich) year.

## **Other information**

### **Field courses**

We believe that gaining direct experience of plants, animals and microorganisms in their natural habitat is an important part of any biologist's training.

Our courses provide plenty of opportunities to gain essential hands-on experience of modern techniques and practical skills in field biology, such as bird-ringing, microbial analysis, small mammal trapping, pit fall trapping and surveying for bats.



Our Anatomy students have the opportunity to carry out full body dissection under the direction of skilled anatomical experts in the Wales Centre for Anatomical Education

Students on the second year Ecology and Conservation module can choose from several specialised, project-based field courses that run in a variety of locations around the world. Available courses typically include Tropical Ecology (Borneo, Malaysia), Marine Ecology (The Caribbean and Malaysia), River Ecology (Wales) and Coastal Biology (Wales). All of our field courses include an independent research project, often involving the behaviour or ecology of animals.

Please note that the 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 subsidised by the University.

#### **Professional placement (four-year sandwich degree programmes)**

All of our courses can be taken with a professional training (sandwich) year in which your third year is spent working in a professional research environment away from the School. This popular course option is a great way to gain valuable first-hand research experience which can stand you in good stead for the remainder of your degree and your post-university career.

Our students find placements in a wide range of organisations, including pharmaceutical and biotech companies, hospital laboratories, research institutes, museums, zoos, wildlife trusts and environmental organisations, as well as UK and international universities. Many placements are in the UK, but we are seeing an increasing number of placements in overseas locations such as Southeast

Asia, South Africa, Germany, Italy, Australia, Madagascar and the USA. Examples of recent placement organisations include GlaxoSmithKline, The Environment Agency, The Francis Crick Institute, Morvus Technology, The Game and Wildlife Conservation Trust, and The Roskamp Institute in Florida.

During your sandwich year, you will undertake all aspects of research – from experimental design and data acquisition through to data analysis and presentation. You will also write a placement report, which will form part of your final degree assessment.

Finding a placement is a competitive process and success cannot be guaranteed. We are, however, usually successful in placing the vast majority of students who wish to undertake a sandwich year, and our staff will provide support and guidance to help you find a suitable position that is relevant to your research interests and career goals.

The professional training (sandwich) year is available to all students and is not dependent on you achieving certain grades (though we would expect you to be doing well in order to be a competitive applicant for placements). You can apply for a course with a professional training year from the outset, or you can decide to switch from the standard BSc or integrated master's programme before the end of your second year. Similarly, should a suitable placement not be available, or should you change your mind, you can switch from the degree with professional training year to a three-year BSc or four-year integrated master's degree.

#### **Preliminary year (foundation level)**

Our preliminary year forms the first year of a four-year degree programme, leading to a BSc in any of the subjects offered by the School of Biosciences. It is aimed at A-level (or equivalent) students who have good grades but in subjects unsuitable for entry into year one, overseas students who do not hold science qualifications equivalent to the UK A-level, and mature students re-entering the education system.

The preliminary year is designed to provide you with the knowledge and understanding needed to thrive in the year one curriculum and beyond. You will cover key topics in biology, chemistry and mathematics (comprising 100 credits), along with 20 credits-worth of optional modules that may be taken from other Schools within the University, or from the Centre for Professional Education.

Upon successful completion of the preliminary year, you can choose to follow any of our five main degree programmes.

#### **Use of living organisms in undergraduate teaching**

Please see page 151.

# Business



## Why choose **Business** at Cardiff University?

We're an **AACSB accredited** business school and a member of the **Russell Group**.



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

We're 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're ranked among the **world's top 125** universities for business, economics, and accounting and finance.

Source: 2020 Times Higher Education (THE) World University rankings by subject.

**Expand your horizons** and travel the world as part of your degree.

Get work-ready by participating in **internships, placements** and **live business projects**.

## 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>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 and/or opportunities to study abroad.

\*\* This 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.

† 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 the 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 Maths 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 maths at 6SL or 5HL.

**BTEC:** DDD-DDM in a business related subject. For degrees with a European Language: DD plus grade B in an A-level language that you intend to study as part of your degree programme. L100 Economics and LN13 Economics and Finance, require DD plus grade B in A-level Maths. For Economics with a European Language (L160, L1R2 and L1R4) D plus grades AB-BB in A-level Maths and the language you wish to study.

**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

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions enquiries:

Tel: (029) 2087 5702 +44 (0)29 2087 5702

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

 /BusinessCardiff

 @cardiffbusiness

## Our investment in study, support and social facilities offers you the very best environment to achieve success.

We've transformed the ground floor of our Aberconway Building into a 'Student High Street' with a dedicated undergraduate Hub, Student Support Office and Opportunities Zone. These services are your chance to access support, careers and international opportunities alongside your degree, to enhance your student experience.

You can expect the highest standard of teaching, informed by world-class research at Cardiff Business School. But what sets us apart are our values.

We're the world's first business school to put social improvement and economic development at the heart of everything we do.

### Doing things differently

We recognise that business and management has a central role to play in tackling some of society's grand challenges.

But we can't do it alone. That's why we're working with others to ensure our research and engagement helps people access decent work, challenge inequality and overcome poverty, ill-health and corruption.

### What does this mean for you?

We've created a curriculum, underpinned by world-leading research, which encourages you to question the status quo and think differently.

We'll challenge you to consider the social, ethical and sustainable implications of corporate behaviour and practice.

### Will you rise to the challenge?

#### Fully-equipped

To ensure your experience with us is the best it can be, we've invested in our learning and teaching facilities.

Our undergraduate Hub and Opportunities Zone teams are here for you. They've got you covered on things like student support, finance issues, careers, industry placements and employability initiatives, as well as chances to study abroad during your degree.

We have outstanding facilities across three buildings, including Wales' largest trading room.

This fully-equipped simulated space is used on a number of our degree programmes and provides you with the skills, knowledge, and competitive advantage to make your mark on the global financial sector.

### Your degree

We offer degrees in accounting, business management and economics.

Economics students can choose to incorporate other disciplines including management studies, politics, philosophy and modern languages for a wider ranging study experience that crosses disciplinary boundaries (see page 146). The School of Modern Languages also offers joint honours degrees with the Business School in Business Studies and Japanese (see page 113).

### Enhancing your degree

Students tell us all the time about how important it's been for them to get work experience or opportunities abroad alongside their degree. So we've made a commitment to support you as best as we can to realise these ambitions.

For some, this means working at home or abroad with organisations like Deloitte, Microsoft, ASOS, IBM, PwC, Toyota or the Welsh Government.

Others choose to study abroad, seeking adventure at sea, on sand and over snow at partner universities across the globe.

Whatever you choose, there's sure to be something to suit your interests. It's your future, own it!

### Professional placement

All of our degrees can be combined with a placement year, giving you salaried work experience to prepare you for the challenges you'll face in the contemporary business world and beyond.

Our dedicated, on-site Careers and Employability Team provides career consultations, CV writing workshops and interview preparation on psychometric assessments and broad skills training.

### One ticket: A world of opportunities

We want you to get the most out of your degree. For some students that means experiencing new customs and cultures while they study abroad.

### Degrees with a European language

You can combine your degree in Business Management, Banking and Finance or Economics with a European language.

Choose from French, Spanish or German as part of a four-year degree programme where the third year is spent at a university in France, Spain, Germany or Switzerland.

Our international outlook means that we've built partnerships with universities beyond Europe, in places like Hong Kong, Australia and the USA. Every year, a number of students seize these global opportunities and spend part of their degree studying abroad.

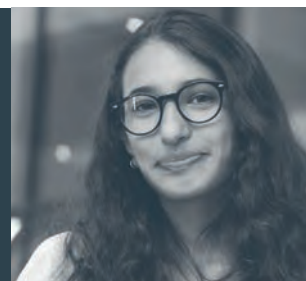


You'll learn in an architecturally impressive teaching centre fitted with Wales' largest trading room

## CardiffConnected

"After doing a lot of research about universities that offer economics and finance, I chose Cardiff for a variety of reasons. As well as being a highly ranked university for my subject, being an international student, it was very important for me to be in a diverse and accepting environment such as the one here in the Business School."

Dana, Economics and Finance (BScEcon)





## BSc Accounting/Finance

Our accredited programmes will help you to develop the knowledge, skills and understanding to make your mark in the global financial sector.

We're part of The Institute of Chartered Accountants in England and Wales' Undergraduate Partnership Programme (UPP). Available to students on 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.

Extending your course to a four-year degree, 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, following graduation.

All of our accounting programmes also provide exemptions from examinations of all the major UK professional accounting bodies, including:

- 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.

Many of our staff are leading international experts in their fields of research and a significant number are qualified accountants with years of professional experience.

Under their supervision, the programmes provide you with transferable skills for finance-related careers in commerce, industry or the public sector.

You can expect to study specialised aspects of accounting, finance, commercial law, quantitative analysis and a variety of management, marketing and economics topics during your time with us.

## BSc Business Management

Develop the knowledge, skills and understanding to become a business management expert.

Choose a general degree in business management, or one of our specialist routes in human resources, marketing, logistics and operations or international management.

The international management route has been designed to reflect the increasingly global reach of business. Based on your academic performance, this specialist route gives you the chance to spend a semester abroad where you will be taught and assessed in English at one of our partner universities worldwide.

Sector-specific guest lectures, mentoring, career coaching and industrial placement opportunities are just some of the benefits in store for you on our specialist route in logistics and operations, in partnership with NOVUS Lite.

We've joined forces with the Chartered Institute of Marketing (CIM) to give you the opportunity to gain professional qualifications on our specialist route in marketing. The CIM Graduate Gateway is sought-after by employers and ensures we're equipping you for a successful marketing career.

If you achieve a 60% average in your first year, and pass all modules at the first sitting, you're eligible to apply for our BSc Business Management with integrated work placement.

This unique degree gives you the opportunity to undertake a 20-week credit-bearing work placement in the second semester of year two.

You'll have the opportunity to explore and evidence the core business management disciplines in a real-life work setting, by:

- participating in a placement in organisations such as Admiral, Arriva Trains, Deloitte, HSBC, Network Rail and Barclays
- experiencing local business life
- getting paid for your work.

In the second and third years, you'll be able to choose from a variety of modules on knowledge management, the management of diversity, small business development, the management of public services, business ethics, supply chain management and strategic marketing.



"During the summer of my second year, I did a work placement with the Welsh Rugby Union in Cardiff. Working in a variety of different areas in their Finance Department allowed me to apply my studies in real life situations.

The experience has given me confidence and helped me focus on the areas I can continue to build on in the future."

**Emma Chard**  
BSc Accounting



"My placement at Deloitte gave me a real sense of how I can make a difference. You come away feeling a lot more confident, knowing where you need to go, and it gives you that real boost, not only to tailor your final year to that job, but to achieve a really high grade."

**Beth Pescud Business Management with a Professional Placement Year**  
Best Placement Student at the 2018 National Undergraduate Employability Awards.



"I was in Hong Kong last year and I had the best time. Before I went, I had to tell myself that fortune favours the bold and this is certainly the case. I've made lifelong international friendships and have another country that I can call my home. Hong Kong has forever stolen a part of my heart."

**Eilish Dickson**  
BSc Business Management (Marketing)

## BSc Business Management with Welsh

Graduates who have high-level skills in both business management and Welsh are in high demand.

This 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.

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 government and industry.

## BScEcon Economics

Explore economics through the lens of contemporary national and international socio-political challenges.

Economics is an intellectually stimulating discipline and the skills of economics graduates are in high demand by employers in both the public and private sectors. Graduate destinations typically include a range of management, marketing, banking and accounting professions, as well as work as professional economists.

Whatever career you pursue, you can be sure that transferable skills like problem solving, quantitative techniques and analysis, acquired during your Economics degree, will be welcomed by employers.

You'll take modules in micro and macroeconomics, quantitative methods, aspects of economics, accounting, management and legal studies in your first year, before progressing onto modules in various areas of economic theory, in your second and third years.

These compulsory modules are combined 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, is a particular favourite and offers you the chance to study in our trading room where you'll gain invaluable experience for careers in finance.

All undergraduates can use the trading room in extracurricular activities via the Cardiff University Investment Society (which runs a Live Forum via Facebook). And a weekly Financial Forum is held, which helps to provide you with a better understanding of the ways in which financial markets work.

Economics can be studied as a single or joint honours degree programme. See page 53 listings of programmes.

## BScEcon Business Economics

Graduates in Business Economics pursue a variety of career pathways, from work as professional economists to a range of management, marketing, banking and accounting professions.

Specialise in the application of economic theory to business decision making and develop a sound knowledge of economic principles and their uses and limitations in a business context.

Over three years, you'll focus on understanding economic theory relating to the organisational and managerial characteristics of the modern business enterprise.

## BScEcon Banking and Finance

Develop the tools and techniques to make your mark in an increasingly competitive global financial sector.

You'll discover how micro and macro analysis intersects with law, management and organisation, in historical and contemporary economic issues.

Tailor your degree to your career ambitions with optional modules in labour economics, trade, development and industry.



"I wanted to take a practical route and study the applications of economics, which the Banking and Finance course offers. I'm able to simultaneously learn about core economic theorems while also being taught how financial markets like the stock exchange work, through the simulated trading room."

**Abheesh Essoo,**  
BScEcon Banking and Finance



Our multi-million pound teaching centre opened in 2014 and boasts state-of-the-art study and social facilities

## See for yourself!

Come and visit us at one of our offer holder days in February and March. Invitations are sent automatically to all applicants who receive an offer to study with us.

You can also come and see us at a University-wide Open Day.

There's more information on our website at: [www.cardiff.ac.uk/opendays](http://www.cardiff.ac.uk/opendays)

# Chemistry



## Why choose **Chemistry** at Cardiff University?

All courses are **accredited** by the **Royal Society of Chemistry**.

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

We offer a variety of summer **research project opportunities**.

MChem graduates are eligible for membership of the **Royal Society of Chemistry (MRSC)** and may apply for the title of Chartered Chemist.

You will complete your studies and research in **outstanding** newly-furnished facilities using **state-of-the-art** equipment.

There are **professional placement** and **study abroad** options with all of our courses.

## Degree programmes/ UCAS codes

### Single honours

**Chemistry (MChem)** (Four years) F103

**Chemistry (BSc)** (Three years) F100

**Chemistry with a  
Placement Year  
Abroad (BSc)** (Four years) F106

**Chemistry with a Year  
in Industry (MChem)** (Four years) F104

**Chemistry with a  
Placement Year  
Abroad (MChem)** (Four years) F102

**Chemistry with a Year  
in Industry (BSc)** (Four years) F101

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

### Accreditation

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

## 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.

## Typical entry requirements

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

**A-level:** Typical offers would be in the range of AAB-ABB 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:** 30-34 points, to include Chemistry.

**BTEC:** DDM - DMM in Applied Science. Alternatively, D and grades BB at A-level including Chemistry. Or, DM plus grade B in Chemistry.

**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.

## Applications information

Typical places: 150    Typical applications: 450

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions enquiries: **Dr Paul Newman**

Tel: (029) 2087 0464 +44 (0)29 2087 0464

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



CardiffSchoolofChemistry



@ChemistryCU



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 Chemistry student at Cardiff University, I'm on the MChem with a Year Abroad programme and have just spent the last eight 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**, Chemistry with a Year Abroad (MChem)



## Chemistry is an ever-evolving discipline uniquely positioned to solve many current and future scientific, environmental and societal challenges.

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 that will help you to develop your professional skills.

We combine teaching excellence, cutting-edge research and extensive industrial contacts to provide a first-class learning experience and a secure start to your career.

### BSc degree programmes

The three-year BSc Chemistry provides a broad base of study so you can pursue a career in chemical science, chemical education and even non-chemistry careers.

All of 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.

Chemistry with a Preliminary Year is mainly for candidates who for some reason have not had the opportunity to study the pre-requisite subjects needed for first-year entry. Successful completion of the one-year foundation course, allows you to progress onto the first year of the core part of the degree course.

### MChem degree programmes

Our flagship four-year MChem programmes are designed for those intending to pursue a professional career in chemistry, either in industry or academia, such as general scientific research or research management. In addition to our MChem Chemistry programme, we offer two further MChem programmes: Chemistry with a Year in Industry and Chemistry with a Placement 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. For more information see Global Opportunities on page 24.

### Teaching and pastoral care

Teaching is undertaken through a series of lectures, tutorials, workshops and practical classes. These are supported by material hosted on Learning Central, the University's virtual learning environment.

One major element of teaching is through lectures, typically 10-12 per week of 50 minutes duration. The second part of teaching involves practical classes, again typically averaging about 10-12 hours each week.

Small group tutorial classes are given in all years, allowing practice, discussion and analysis of the lecture material, as well as the development of communication skills.

All our Chemistry courses have a major element of independent, supervised research.

Every student has three academic tutors, one of whom also acts as your personal tutor. You will see one of your tutors each week, either as part of a small tutorial group or on a one-to-one basis in a personal tutorial.

### Structure of our degree programmes

Our year one modules aim to stimulate your interest in the subject, whilst giving a solid knowledge base to build upon in the following years. Core chemistry modules are supplemented with practical work and mathematical workshops. An additional optional module can be chosen from within chemistry, or there are opportunities available to study a modern language through the Languages for All programme.

The later years of all programmes include a substantial year-long research project in an area of your choosing during the additional fourth year of study. There are no compulsory theory modules in year four, which will enable you to select available modules that match your interests.

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 maths 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.



Teaching methods include lectures and practical classes

### 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 by distance learning, as well as the work tasks assigned by the industrial host, and the entire year is assessed as part of the degree.

In the BSc programme with a year in industry, 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 placement 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 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.

### Careers

Graduate chemists have an array of career options. Many join the chemical industry, while others enter academia or government establishments. A number of graduates use the logical and practical training they have gained to enter marketing, sales, management or finance.

Scientific journalism, publishing and teaching are all realistic potential destinations. Equally, the specific skills gained in laboratories can provide a stepping stone to roles in the manufacturing industry.

Career destinations have included product development chemist, technical graduate, patent analyst, trainee accountant and quality control scientist.

# Computer Science and Informatics



## Why choose **Computer Science and Informatics** at Cardiff University?

We work alongside the **BCS, Chartered Institute for IT** 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 **220 UK academic and industrial** partners.

Our learning resources are consistently praised by our students; **96%** agree they have been able to access course-specific resources, including equipment and software, when needed.\*

## Degree programmes/ UCAS codes

### Single honours

**Applied Software Engineering (BSc)** (Three years) 4JVD

**Computer Science (BSc)** (Three years) G400

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

**Computer Science with a Year of Study Abroad (BSc)** (Four years) 126V

**Computer Science with Security and Forensics (BSc)** (Three years) G4F4

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

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

**Computer Science (MSci)** (Four years) G404

**Computer Science with a Year in Industry (MSci)** (Five years) G402

**Computer Science with a Year of Study Abroad (MSci)** (Five years) G403

### The School of Computer Science and Informatics is moving

into an exciting brand new purpose-built facility in the academic year 2021. Shared with the School of Mathematics, the new building has been designed in collaboration with students and lecturers to create interdisciplinary, flexible and creative workspaces, with innovative teaching areas and practices being a key feature. The School will still be located close to the Students' Union, two student residences, and a short walk from the city centre.

## Typical entry requirements

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

**A-level:** AAB-ABB for Computer Science (MSci); ABB-BBB for all other programmes. Computer Science (MSci) and all with a year of study abroad options require A-level Maths.

**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 or 655 from Higher Level subjects. A 5 in Higher Level Maths is required for Computer Science (MSci) and all with a year of study abroad options.

**BTEC:** DDM - DMM (RQF only) in IT (or ICT), Computing and Engineering for Applied Software Engineering (BSc), Computer Science (BSc) and Computer Science with Security and Forensics (BSc). DD-DM in IT (or ICT), Computing and Engineering plus a Maths A-level for Computer Science (MSci) and all Year of Study Abroad options.

**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 5/6 for Computer Science degrees.
- Maths at grade C or grade 4 for Applied Software Engineering degree.
- English language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

## Applications information

Typical places: 215    Typical applications: 1,200

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions tutor: **Dr James Osborne**

Tel: (029) 2087 4767 +44 (0)29 2087 4767    Email: [comsc-ug@cardiff.ac.uk](mailto:comsc-ug@cardiff.ac.uk)



**CompScienceCU**



**@CompScienceCU**

**@CUSoftAcademy**

## Careers

We have strong links with many large names in industry, providing you with excellent opportunities to take advantage of employer visits, talks and workshops. You can also further enhance your CV and boost your employment prospects by choosing your degree with a salaried year in industry, or you could opt to undertake a summer placement with support from the School.

Some graduates have chosen further study or research at Cardiff University or other top universities.

### Employers

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

## CardiffConnected

"The course is challenging, but it helps you to improve as a professional. Through extracurricular activities and projects, I have improved my team working and presentation skills."

**Iryna**, Computer Science with Security and Forensics (BSc)



## The dynamic fields of computer science and informatics underpin almost every aspect of everyday 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.

### BSc Computer Science

Involving a mixture of both theoretical and practical aspects, this degree programme equips you with the expertise to analyse problems and program 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 and an understanding of internet computing.

**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 will 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. You will also complete an individual project under the supervision of a member of our academic staff.

### Focus your degree

We offer a themed version of the BSc Computer Science degree in the highly popular area of security and forensics.

Choosing to focus your studies in this area will provide you with a firm understanding of the principles, tools and technologies needed to ensure that an organisation's investment in information and communications technology meets its needs in a secure manner.

Alongside learning core topics, you will gain in-depth knowledge and skills in the area of cybersecurity and forensics through project work and a range of optional modules.

We have a dedicated cybersecurity and digital forensics laboratory to support your studies.

### Year in industry

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 of study 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 University.

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.

In **year one** you will learn to think like a programmer and code like a programmer - working primarily with Java™ and Python. You will learn about SQL and NoSQL database systems, and how to use industry-standard tools that are used by real-world developers, following best-practice to develop quality software.

In **year two** you will expand your technical knowledge in areas such as testing, cyber security and DevOps to support the scale, resilience and security needs of your cloud-based enterprise solutions. You will design, develop and launch real mobile and web applications according to the needs of your customers. 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.

In **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.

### MSci Computer Science

This four-year course provides extensive coverage of the subject beyond a traditional three year BSc. During the fourth year of study, you will take modules of advanced computer science and carry out a new level 7 team project, leading to the qualification of Master of Computer Science (MSci).

**Year one** modules will introduce fundamental computing skills and concepts that form the basis of your degree. This includes the programming of algorithms using languages such as Python and Java™, an understanding of Internet and web technologies, computer architecture and operating systems, software engineering principles and mathematics for computer science.

**Year two** modules allow you to begin to specialise your skills, focusing on either a theoretical computer science pathway, an applied/data analysis pathway or a systems pathway.

**Year three** will focus on emerging technologies and advanced topics in computer science. The pathways chosen during year two will be continued and enhanced according to your specific interests, alongside a choice of additional research informed optional modules.

**Year four** as well as taking part in a compulsory team project under the supervision of a member of academic staff, you will choose from a range of carefully selected research-informed modules focusing on contemporary and relevant topics currently emerging within the discipline.



# Dentistry



## Why choose **Dentistry** at Cardiff University?

### **Ranked top 3**

for dentistry in the UK.

Source: Complete University Guide 2020.

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.

### **93%**

of our Dentistry (BDS) students were satisfied with the learning resources.\*

### **100%**

of our DipHE Dental Hygiene students were satisfied overall.\*

We have one of the **strongest** BDS employability records among our competitor dental schools in the UK – in 2019, **100%** of our BDS students secured a Dental Foundation Training placement.

### **100%**

of our submitted research rated at 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)** (Five years) A200  
(Six years) A204

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

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

### Accreditation

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

## Open Days

We organise four undergraduate open days every year. You will have the opportunity to visit the University 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:** School of Dentistry 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 at:

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

**Our recently refurbished and unique dental library can be found within the School of Dentistry.** It houses an extensive collection of books and journals to aid your learning. You will also have access to an undergraduate IT suite and 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 the 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 or Biology.

**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.

**BTEC: A200:** Not accepted.

**A204:** DDD in Applied Science or Medical Laboratory Science.

**UCAT:** Applicants for the BDS programme are required to take the UCAT aptitude test before they apply: [www.ucat.ac.uk](http://www.ucat.ac.uk)

### Dental Therapy and Dental 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
- 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.

**BTEC:** DDM in Applied Science (Medical) to include Biology and Human Biology.

**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.
- A recognised dental nurse qualification at Level 3 PASS plus one A-level in Biology or Human Biology at a minimum of Grade C.

**BTEC:** MM in Applied Science (Medical), to include Biology and Human Biology.

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

## Applications information

<b>BDS</b>	Typical places: 74	Typical applications: 800
<b>Hygiene and Therapy</b>	Typical places: 31	Typical applications: 550

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions enquiries:

Tel: (029) 2074 6917/2468 +44 (0)29 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. You are supported with immediate chair-side feedback on clinic through Develop via an iPad.

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 study anatomy on a cadaver, 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.

You will experience our state-of-the-art £2.2m clinical simulation suite where you can develop your practical skills.

As you progress, you will learn more advanced practical 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



We use a variety of methods to enrich your learning experience

and treat. You will need to understand the basics of disease, including those that affect the oro-facial region, 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 University Dental Hospital, community dental clinics, district general hospitals and dedicated outreach teaching facilities in and around Cardiff.

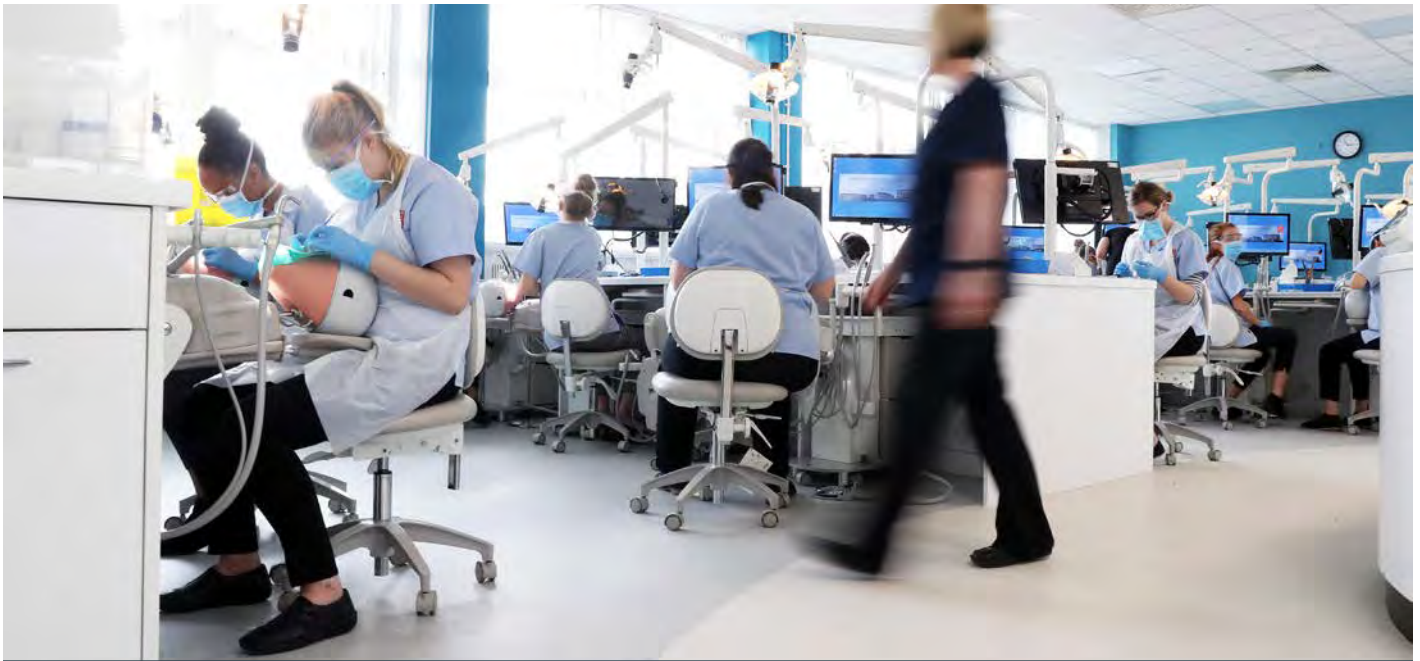
A deeper understanding of the treatment planning process, the management options, including preventive orientated patient care, are developed, giving you a broad based education to prepare you for your exciting career.

## CardiffConnected

“The thing that sets Cardiff apart is that rare combination of excellent facilities with knowledgeable and amicable staff. There’s a real family feel, which helps to give us students an unparalleled learning experience, which in turn allows us all to enjoy what we do.”

**Emyr**, Dentistry (BDS)





Students benefit from simulated clinical activities

## Placements

As you become more experienced in your fourth and fifth years, you will spend time away from the School of Dentistry 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, one located in the city centre and one in the Cynon Valley, where you will manage your own patients in a primary care setting, regularly over the last two years of your course.

## Dental Hygiene and Dental Hygiene and Therapy Programmes

We offer two closely allied programmes: a Diploma in Dental Hygiene (two-year programme) and a BSc in Dental Hygiene and Therapy (three-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 Hygienists and Dental Therapists, eligible for unsupervised clinical practice (under the prescription of a dentist) and potential for direct access following current GDC guidelines.

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

## Teaching

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

## Programme structure

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

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

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

**Year three** (Therapy only) emphasis continues with both paediatric and adult clinical practice, as well as a year-end research project.

Years two and three offer opportunities for you to attend clinical placements at local 'outreach' dental clinics, providing treatment to the dental public in situations closely allied to the general practice arena. In some of these areas you will work alongside dental students in a teamwork approach to patient care.

Throughout the programmes, the teaching and implementation of professionalism is critical.

You will be taught aspects of law and ethics in dentistry, as well as the practicalities of dental treatments, and to recognise the importance and necessity of your lifelong and professional development. Your opportunity to engage and motivate patients and provide contemporary clinical treatments make dental hygiene and therapy a stimulating career.

## Your career as a dental professional

We are proud that 100% of our students are either in work or further study six months post qualification for all of our courses. (Unistats 2019 Destinations of leavers from HE record).

Once you have qualified as a dental professional, there are a number of different career options open to you. On qualification you are able to register with the General Dental Council and work in various areas of the dental sector to include general dental practice, community dental clinics, general hospitals and dental schools. There are also opportunities in the armed forces and a variety of masters level programmes if you are interested in postgraduate study.

The majority of Dentistry (BDS) graduates undergo a period of foundation training for one year after qualifying.

# Earth and Ocean Sciences



## Why choose **Earth and Ocean Sciences** at Cardiff University?

Our **excellent links** with alumni, environmental regulators and local organisations helps students find projects and summer placements.

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

Excellent facilities available to **support** your study, including dedicated IT labs, state-of-the-art analytical equipment and our own research vessel, the **Guiding Light**.

**95%** of our students were satisfied with their overall experience.\*

Plenty of hands-on **fieldwork opportunities** in the UK and overseas.

You will receive the **highest quality teaching**, delivered by lecturers at the cutting-edge of international research.

\*See page 40 for details of statistical sources.

## Degree programmes/ UCAS codes

### Single honours

**Physical Geography (BSc)**  
(Three years) F843

**Physical Geography (MSci)**  
(Four years) F844

**Environmental Geography (BSc)**  
(Three years) K32K

**Environmental Geography (MSci)**  
(Four years) Y32N

**Exploration Geology (BSc)**  
(Three years) F625

**Exploration Geology (MSci)**  
(Four years) F626

**Exploration Geology with a  
Professional Placement Year (BSc)**  
(Four years) F630

**Environmental Geoscience (MSci)**  
(Four years) F649

**Environmental Geoscience (BSc)**  
(Three years) F648

**Environmental Geoscience with a  
Professional Placement Year (BSc)**  
(Four years) F650

**Geology (BSc)** (Three years) F603

**Geology (MSci)** (Four years) F604

**Marine Geography (BSc)**  
(Three years) F845

**Marine Geography with a  
Professional Placement (BSc)**  
(Four years) F846

**Marine Geography (MSci)**  
(Four years) 1D78

## Typical entry requirements

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

**A-level:** ABB if taking one science and BBB if taking two sciences (Chemistry, Physics, Maths, Geology, Biology, Geography, Computer Science, ICT and Environmental Science).

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

**IB:** If taking two sciences at Higher Level: 30 points; or 6,5,5 points from three Higher Level subjects, including a minimum of 5 points in each of the two Higher Level sciences. If taking one science at Higher Level: 30 points; or 6,5,5 from three Higher Level subjects, including 5 points in 1 Higher Level science and 7 points in 1 standard level science.

**BTEC:** DDM (QCF)/DMM (RQF) in one of the following subjects: Applied Science, Sports and Exercise Science, Health Science, Animal Science or ICT.

**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 4.
  - 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

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

Download the School brochure:

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

Admissions enquiries:

**Dr Andrew Kerr**

Tel: (029) 2087 48308  
+44 (0)29 2087 48308

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

 **CardiffUniEarth**

 **@CU\_Earth**

 **@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 based in the same building as the Welsh office of the British Geological Survey and next door to the National Museum of Wales, 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 Geology



The School of Earth and Ocean Sciences is an interdisciplinary and collaborative community that excels in teaching and research. We provide a supportive and inspiring place to learn about the evolution of the Earth, its life, how it works and its interactions with society.

Our enthusiastic staff are approachable experts in their fields, who have a passion for teaching across the range of disciplines covered by our courses. Field classes, practical classes, laboratory work and tutorials are all part of our stimulating research-informed learning experience.

We work together with our students to ensure that their experience is the best we can offer.

### Year one

The first year is designed to give you a solid foundation in Earth and geographical sciences which you can build upon with specialised modules as your course progresses.

Many of our first year students haven't been able to study geology or other Earth science subjects such as environmental geoscience and marine geography at school. This is why our first semester is common across all of our programmes. You will be introduced to the study of the Earth and oceans as a system and develop key scientific skills. General skills, such as observation, numeracy, presentation and communication will be invaluable to your future studies and careers. We introduce and let you develop these skills in your year one curriculum.

In the first few weeks, you will go on introductory field trips in South Wales. They'll give you a flavour of what you will learn in the first year, a chance to settle into the pace of university life, and give you opportunities to get to know other new students and staff. Fieldwork in the first year includes day and half-day trips as part of core modules, where you will learn essential field skills, such as using your compass as well as identifying geological and geographical processes in the landscape.

In the Spring, you will also take part in a residential field excursion and depending on the programme, you may have the opportunity to undertake work at sea.

Some of the first year modules extend over the two semesters and all modules include lectures that are complemented by practical laboratory work to help build skills and reinforce key concepts. Several modules



include individual and group study projects that might require you to use photographs or other data you have recorded in the field.

Most modules are assessed by a combination of examination and various types of continuous assessment, including essays, reports, posters and presentations.

The nature and weighting of the continuous assessment varies with the requirements of different modules. You will need to achieve a satisfactory standard in the 120 credits studied before progressing to the second year.

Supplementary workshops are available to you if you need extra support. You will be allocated a personal tutor in the first week of your course and they will advise you of the best way to organise your studies to utilise your background achievements.

Because the first semester is common to all our undergraduate degree programmes, you are able to transfer between any of our degree programmes up to the start of the second semester in mid-January.

### 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.

#### MSci/BSc Physical Geography

Explore the Earth's landscapes, climate and the dynamic physical processes that shape the Earth's surface. Discover how landscapes have evolved, the current processes, impacts and influences on our planet and how we can predict changes in the future.

You will develop skills in mapping, research, analysis and problem-solving using state-of-the-art field and laboratory equipment. Plus, you will utilise high-level, professional software applications to model future landscape changes. You will leave with the skills to

solve a range of complex real-world problems related to the physical environment and with experience of hands-on fieldwork and cutting-edge research with world-leading scientists.

You will complete a residential field course to a coastal national park within Wales where you will learn key field skills including mapping and surveying techniques. There will also be opportunities to complete overseas trips in locations such as Switzerland and Tenerife.

Choose between our three-year BSc degree, the four-year version of our BSc degree including a placement year, or our four-year MSci degree. You will have the opportunity to complete a placement with organisations such as the Meteorological Office, engineering consultancies and government agencies such as Natural Resources Wales.

### MSci/BSc Geology

Discover how rocks and minerals are formed, how animals evolve over geological time, what causes earthquakes and volcanoes and how the science of geology impacts on our lives today.

Our degrees are accredited by the Geological Society, the professional body for geosciences in the UK. We've worked with industry to design our degree so you graduate with the specialist skills needed to be a professional geologist. These skills cover fieldwork, experience of data capture using Geographical Information Systems (GIS) software, critical analysis of data, and the confidence to make key decisions from limited information.

We make the most of our location and explore how geology impacts on the landscapes and the industry of the local region through regular day trips and longer residential trips. There will also be opportunities to go on an overseas mapping trip. In the past, we've been to Spain and Cyprus.

You don't need to have studied Geology already as we'll be starting year one with the basic principles to bring everyone to the same level. You can choose between the three-year BSc degree, our four-year BSc with a professional placement or the four-year MSci degree.

### MSci/BSc Environmental Geoscience

Explore the different processes that happen on our planet like earthquakes, acid rain and global warming. You will use this knowledge to solve real problems where the geological aspects of civil engineering, environmental monitoring and remediation, and climate change are relevant in the UK and globally.

Our degrees are accredited by the Geological Society, the professional body for geosciences in the UK. We've worked with industry to design our degree so you graduate with the practical skills needed to be a professional environmental geoscientist. These skills cover fieldwork, the use of instrumentation for environmental monitoring, data capture and presentation using Geographical Information Systems (GIS) software, and technical report writing.

We make the most of our location and take regular day and longer residential trips to areas of natural beauty, as well as old industrial and mining sites in South Wales. There will also be opportunities to do overseas trips. In the past, we've been to Tenerife and to Cyprus.

You don't need to have studied geology, as we'll be starting year one with the basic principles to bring everyone to the same level. You can choose between our three-year BSc degree, the four-year version of our BSc degree including a placement year, or our four-year MSci degree. In the past our students have gone on placement with water companies, civil engineering firms and environmental consultancies.

### MSci/BSc Environmental Geography

Having an in-depth scientific understanding of the natural environment is key to finding and addressing issues like climate change, water pollution, soil degradation and erosion. If you're concerned about the health of the planet and want to make a positive difference, our Environmental Geography courses could be for you.

Explore environmental surface processes and develop a scientific understanding of the impact that people have had on the chemistry and ecology of our planet's environment over time. You will study different environments across the world on land and at sea, from extreme polar environments to tropical coral reefs. The course will also address the pressures that our environments face today and in the future, covering topics such as water quality chemistry and mapping vegetation and soils. You will get hands-on with mapping and monitoring and produce your own maps using state-of-the-art, professional mapping software.

We take regular day trips to Gower, the Glamorgan Heritage Coast and the Brecon Beacons in South Wales. There will also be opportunities to do overseas trips. In the past we've been to the Netherlands and Switzerland.

You can choose between the three-year BSc degree, or the four-year MSci degree.

### MSci/BSc Marine Geography

Ocean sustainability is gathering momentum on the global stage. On the UK's only Marine Geography degree, you will explore the science behind marine conservation and sustainability, and associated challenges. As part of this, you will examine the influence of climate change, increased coastal erosion and flooding, as well as the need to adapt to such coastal futures. Graduates leave with the skills to solve a range of complex real marine and coastal environmental problems and with experience of hands-on fieldwork and cutting-edge research with world-leading scientists and external professionals.

South Wales has a rich and diverse marine environment including estuaries with large tidal ranges, islands thriving with wildlife and outstanding beaches along the Gower Peninsula. You will get plenty of opportunity to develop your field and boat work skills with regular day trips and residential trips along the Bristol Channel and to sites such as the Glamorgan Heritage Coast and Gower, South Wales. There will also be opportunities to do overseas trips. In the recent past, we've been to Malta, Jersey, and Samos in Greece.

Choose between our three-year BSc degree, the four-year version of our BSc degree including a placement year, or our four-year MSci degree. Our previous students have completed placements in a range of topics including offshore surveying, ecosystem mapping and port environmental management.

### MSci/BSc Exploration Geology

Learn how to explore for Earth's natural treasures on this unique degree, the only undergraduate course in the UK to focus on specialist training in resource exploration. Exploration geologists will be central to delivering a low carbon future by helping meet the surging demand for metals to supply the renewable energy industry, that's needed to tackle climate change.

Discover how the Earth's processes have created the planet's natural resources and how to explore for them to meet future demand.

Our degrees are accredited by the Geological Society, the professional body for geosciences in the UK. We've worked with industry to design our course so you graduate with the specialist skills needed to be a professional exploration geologist. These skills cover fieldwork (both on surface and underground), experience of modern exploration software, critical analysis of data, and the confidence to make key decisions from limited information.





Fieldwork is an important part of our courses

Our graduates have been leaders in the mineral and energy industries for over 100 years and you can become part of this ongoing story.

We take regular day and longer residential trips to explore mining sites across Wales. There will also be opportunities to do overseas trips. In the past, we've been to Spain and Cyprus.

You don't need to have studied geology already, as we'll be starting year one with the basic principles to bring everyone to the same level. You can choose between the three-year BSc degree, the four-year version of our BSc degree, including a placement year, and the four-year MSci degree.

### BSc with a professional placement

An optional one-year professional 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.

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

### Master in Earth Sciences – MSci

These four-year undergraduate MSci 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.

The major element in the fourth year is a research project that will enable you to master and demonstrate the skills you will need in your subsequent career, and is an opportunity to pursue a particular topic to the highest level possible as an undergraduate.

### Employment

Our graduates in Marine Geography have entered the full range of marine industries, government service and research careers.

The Exploration Geology 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. MSci students are particularly suited to PhD study or other research positions.

# Engineering



## Why choose **Engineering** at Cardiff University?

### **Ranked 1**

Our research in civil engineering was **ranked first in the UK for quality**.\*

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.

We offer a wide range of degree courses to enhance your engineering skills, including opportunities to **study abroad** or spend a **paid year working in industry**.

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

**97%** of our submitted research rated **'internationally excellent'** or **'world-leading'**.\*

## Degree programmes/UCAS codes

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

**A-level:** BEng: AAB - BBB, MEng: AAA-ABB. Must include Maths 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:** 666-655 at Higher Level including Maths.

**BTEC:** DDD plus A-level Maths 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 Maths (or equivalent). Also grade C/grade 4 or higher in GCSE Maths and English (or equivalent). Applicants to the Year in France/Germany/Spain programmes are also required to have grade C/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 Maths at GCSE, but not A-level Maths (or equivalent) then the foundation year may be right for you. 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: 1,850

### Find out more

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

Download the School brochure:

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

Admissions tutors:

Architectural, Civil, Civil and Environmental Engineering:  
Dr Jay Millington

Integrated, Electrical and Electronic Engineering: Dr Yulia Hicks

Mechanical and Medical Engineering:  
Dr Mark Eaton

Tel: (029) 2087 4656

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



cardiffuniversitieschoolof  
engineering



@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 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 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, mechanical engineer, project manager and technology analyst.

### Employers

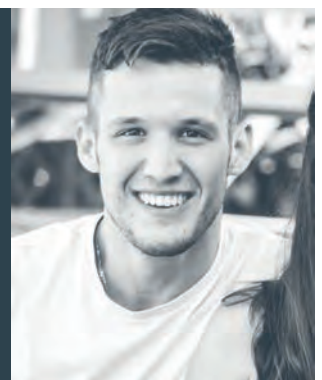
Halcrow, Atkins, BP, BAE Systems, National Grid, RWE npower, Network Rail, Ove Arup, Renishaw, Rolls Royce, Ford, Nokia, Bosch, EADS, local governments, banks and financial institutions, and UK and international utility companies.

**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**, Electrical and Electronic Engineering (BEng)



## MEng/BEng Architectural Engineering

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 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 will 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. Our 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).

## MEng/BEng Civil Engineering

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.

## MEng/BEng Civil and Environmental Engineering

Graduates from these degrees plan, design and construct programmes to remedy the problems caused by existing pollution and 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.

## MEng/BEng Electrical and Electronic Engineering

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.

We are 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 University 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



Students have access to a wide range of equipment

French, German and Spanish may be studied as an option. Computer-aided engineering is nowadays all pervasive. You will use large commercial software packages for engineering design in a manner that you would meet in industry. Good design also involves an understanding of how things are to be manufactured, and knowledge of this forms an important part of the teaching.

Our degrees are accredited by the Institution of Mechanical Engineers. Qualification for corporate membership of a professional institution rests on practical training and professional experience, as well as on educational requirements. If you are a year in industry programme candidate, your industrial placement may count towards this requirement.

## Medical Engineering (MEng/BEng)

Medical Engineering is a distinct area of study. This 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 ergonomics.



Cardiff is one of the few partner 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



## Why choose **English, Communication and Philosophy** at Cardiff University?

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.\*



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)

**86%** 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 the latest information.

**A-levels: Single honours:**

**English Language:** BBB-BBC

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

**English Language and Linguistics:** BBB-BBC

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

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

**Philosophy:** ABB-BBB

**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.

**BTEC: Single honours:** DDM-DMM to include Humanities and Social Science subjects.

For Q300, Q306 and QW11 must include grade B at A-level in English Literature, English Language and Literature or Creative Writing. **Joint honours:** See website.

**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**

**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

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions enquiries:

Tel: (029) 2087 6323 +44 (0)29 2087 6323    Email: [encap-admissions@cardiff.ac.uk](mailto:encap-admissions@cardiff.ac.uk)



CardiffUniEnglishCommunicationPhilosophy



@CUEngCommPhilos

## 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.

Our **English Language** degree combines the best of humanities skills with social science skills and thus prepares you for a wide range of career options. Common destinations include primary and secondary school teaching, Teaching English as a Foreign Language (TEFL), marketing and PR, sales and advertising, the civil service and public administration, but also publishing,

journalism, personnel management, counselling, clinical/therapeutic professions and the criminal justice system. Our postgraduate degrees offer further prospects of employment in these areas.

Our **English Literature** degree equips you for a range of diverse careers. Frequently, our graduates choose careers in journalism, publishing, teaching, law, public relations, marketing, administration, government and industry, but there are very few careers which are not open to graduates with a degree in English literature. Through their distinctive experience of working in an innovative and creative manner across traditional boundaries, our graduates are particularly

well suited both to further 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 set of stimulating 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

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 developments in your field, 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).

### Joint honours programmes

We offer a wide range of joint honours degrees enabling you to study two disciplines. 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). For further information about possible combinations, please see page 146.

### English Language degrees

#### BA in English Language: Single honours

Our English Language degree focuses on the intriguing intersection of language with culture, society, politics and mind and offers a rigorous grounding in all the key aspects of language analysis.

You will learn the essential linguistic tools of phonetics, grammar and discourse analysis from those who are helping develop those fields. Our approach is broad and inclusive of such aspects as the analysis of multimodal texts, combining word image and sound that predominates in so much of contemporary media.

Our degree is organised to match a wide range of relevant career options. Core modules provide you with a solid base. You will then be guided to build a programme to suit your interests and developing specialisation, choosing the best optional modules to fit your plans.

Our community is welcoming, international in outlook and home to the globally respected Centre for Language and Communication Research. We pride ourselves on nurturing a friendly, personalised and supportive environment, with regular one-to-one meetings.

The foundation modules in year one provide a solid grounding in both language and communication. You take six 20-credit modules in each of 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

Our English Language and Linguistics degree combines the systematic study of the human capacity for language in all its expressions across the world with an added focus on the English language.

You will learn about all aspects of human language and how linguistic knowledge is acquired, produced and understood in different contexts. You will discover what all languages have in common, what distinguishes them and how they change over time. You will also come to appreciate varieties in language, including historical changes, accents, distinct social registers as well as differences between spoken and written language.

Acquiring career-enhancing skills, you will become adept in producing multimodal texts (think websites, blogs and magazine covers) using specific software packages. You will gain skills from analysing numerical data or speech in phonetics to deciphering patterns in large collections of written and/or spoken language known as corpora.

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

In this rewarding degree, gain a greater appreciation of English literature plus finely practised analytical skills.

The entire chronological span of English literature is open to you, from the Anglo-Saxon period to the 21st century. Our curriculum is far from restricted to the printed word, exploring the connections between literature and film, art, music, history, language, and popular culture. This variety allows you to tailor your degree to suit, whether your interest lies in periods and genres or literary study with analysis of other cultural forms.

Our English Language degree offers you a rigorous grounding in the analysis of the language, taught by internationally respected experts working at the intersection of language

## 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, English Language (BA)



with culture, society, politics and mind. You will learn such essential linguistic tools as phonetics, grammar and discourse analysis from staff who are helping develop those fields. Supported by our broad approach to language, you will develop the ability to analyse the multimodal text combining word image and sound that predominates in so much of contemporary media.

### **BA in English Language: Joint honours**

Our joint honours options enable you to pursue 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**

Explore the diversity of English literature across the chronological span, making lively connections with all forms of culture, illuminated by experts shaping contemporary creative thinking.

Our absorbing degree gives you access to the whole span of English literature, from the Anglo-Saxon period to the 21st century. Far from being restricted to the printed word, you will be encouraged to make connections

between literature, film, art, music, history, language and popular culture, inspired by teaching that reflects these intriguing connections.

You have the freedom to shape your path as you explore the subject. After the building blocks of year one, you will tailor your own degree, choosing all your own modules. You can investigate multiple periods and genres in a more traditional path or combine literary study with analysis of other cultural forms.

#### **The choice is yours**

You will join a friendly and supportive environment with an international reputation for both teaching and research. Our talented Creative Writing team regularly scoop national and international awards for their novels and poetry, and collectively share experience in theatre, television and film. Our public platforms Cardiff BookTalk and Cardiff Poetry Experiment are popular and hugely engaging. Bringing a wealth of expertise across theme, period and genre, our lecturers will share latest thinking in the classroom, including their own innovative research - from the digital humanities and cultural and literary history to gender, the gothic and postcolonial studies and far beyond.

#### **BA in English Literature and Creative Writing: Single honours**

Combine the best of literary study, critical analysis, and practical experience in creative writing, within one rewarding programme. Within English literature, you'll develop

your critical skills by studying classic and contemporary works across all periods of literature from Anglo-Saxon to the twenty-first century, while learning about the latest literary theory.

In Creative Writing you will hone your craft and learn techniques across a range of genres such as fiction, poetry, creative non-fiction and scriptwriting, culminating in the production of an extended collection of creative work. Our talented Creative Writing team regularly scoop national and international awards, and collectively share experience in theatre, television and film.

Throughout the programme you will be encouraged to stretch yourself intellectually and imaginatively by exploring literature as both a practitioner and a critic. Our approach will help you develop an understanding of the creative process, as well as enhancing your knowledge of genre, literary history, and the varied and dynamic academic field which is English literature.

#### **BA in English Literature: Joint honours**

This option enables you to follow 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

### How should we see our lives?

### What should we believe?

Our Philosophy degree investigates these profound puzzles and addresses today's great global questions.

As the world's oldest academic discipline, philosophy has developed an impressive range of concepts and techniques for addressing complicated problems.

In our degree, we equip you to analyse and construct complex chains of reasoning for yourself, developing and refining your thinking skills to consider the great philosophical puzzles past and present.

We pride ourselves on nurturing a friendly, personalised and supportive environment, with one-to-one meetings at key points each semester, plus drop-in time to chat about your modules or the subject more generally every week term-time.

### Outside the classroom

We further explore the great issues of our time in our weekly research seminar series and our regular public philosophy events in the city centre, produced in association with the Royal Institute of Philosophy. You are warmly encouraged to participate.

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.

### BA in Philosophy: single and joint honours

Our innovative degree programme combines analytic, continental, and empirical approaches to fundamental philosophical questions. We offer some modules in Welsh, with most in English.

Year one modules provide a solid grounding for the rest of the degree, including philosophy of mind and reality, moral and political philosophy, and our critical thinking course. Single honours students take further philosophy modules on the historical background and contemporary applications of our central themes.

In the second and third years, you have a free choice across our wide range of modules. Year two modules provide more detailed studies of specific areas of philosophy, such as epistemology, ethics, or ancient philosophy.

In our year three modules, students work to contribute to current debates in philosophy. Each module is led by a philosopher currently writing on the module's central questions. Year three students also develop their own research projects in the dissertation module.



All our philosophy teaching is designed to encourage students to formulate their own ideas and arguments, to foster the critical and creative thinking skills required for detailed analysis and argumentation, and to develop the ability to collaborate in tackling difficult and complex questions.

### 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 more formal 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

We believe that 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, Our 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



## Why choose **Geography and Planning** at Cardiff University?

### **Top 10**

in the UK for town and country planning and landscape.

Source: The Times/Sunday Times Good University Guide 2020

**93%**

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

All our programmes are available with a **professional placement year**. Gain the professional skills, knowledge and confidence to accelerate your career.

### **Top 100**

in the world for geography.

Source: QS World University Rankings by Subject 2019

**Expand your horizons** - all of our programmes offer subsidised international field study visits. Third year destinations have previously included Hong Kong, Los Angeles, New York and Tanzania.

**85%**

of our submitted research was rated as **'internationally excellent'** or **'world-leading'**.\*

## Degree programmes/ UCAS codes

### Single honours

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

- with a Professional Placement Year (Four years) L701

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

- with a Professional Placement Year (Four years) LK75

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

Sandwich (Four years) K446

### Accreditation

**BSc Human Geography** is accredited by the Royal Geographical Society (RGS).

**BSc Human Geography and Planning** can be taken as an accredited (by the Royal Town Planning Institute) or non-accredited programme.

**BSc Urban Planning and Development** is accredited by the Royal Town Planning Institute (RTPI) and the Royal Institution of Chartered Surveyors (RICS).

## Typical entry requirements

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

**A-level: Human Geography:** AAB-ABB.

**Human Geography and Planning:** ABB-BBB.

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

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

**IB: Human Geography:** 666-665 from 3 Higher Level subjects.

**Human Geography and Planning:** 665 from 3 Higher Level subjects.

**Urban Planning and Development:** 665-655 from 3 Higher Level subjects.

**BTEC:** All BTEC Extended Diplomas acceptable.

**Human Geography:** DDD-DDM

**Human Geography and Planning:** DDM

**Urban Planning and Development:** DDM-DMM

**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 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

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Tel: (029) 2087 4022    +44 (0)29 2087 4022

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



cardiffgeographyandplanning



@CUGeogPlan

**Are you passionate** about the social, environmental, political, development, planning and economic issues we face? Join us to help transform people and places around the world for the better.

## CardiffConnected

"The School hosted numerous public talks and events which were free to attend and great for those seeking to generate new ideas and boost their CV. Not a day went by when I was bored - there is always someone to talk to, somewhere different to go, something new to learn. My favourite memory is of the field study visit to Hong Kong - the external speakers, exploration, study, and the social activities we undertook completely changed my views on the world, and I became inspired and excited by Hong Kong's unique culture and urban design. I am wholeheartedly proud to be a Cardiff University graduate and I am confident that the School of Geography and Planning will continue to exceed expectations for future students."

**Astrid**, Urban Planning and Development (BSc)



## We are working to better understand and help solve some of the grand challenges facing human societies, environments and places around the world.

Our agenda-setting research in economic, environmental, social, cultural and development geographies is recognised for its quality, relevance and impact. It is this research, and our academic curiosity, which underpins and motivates our teaching, enabling you to apply critical thinking and practical knowledge in addressing impacts of economic, social, political and cultural change on the built and natural environments.

You will learn from lecturers and researchers who are working at the forefront of the geography and planning disciplines.

They will challenge you to think differently, independently, and creatively about the world we live in and you will graduate ready and equipped to tackle the issues that matter to you.

### Our approach

We are one of the leading schools in the UK for teaching and research in human geography and spatial planning.

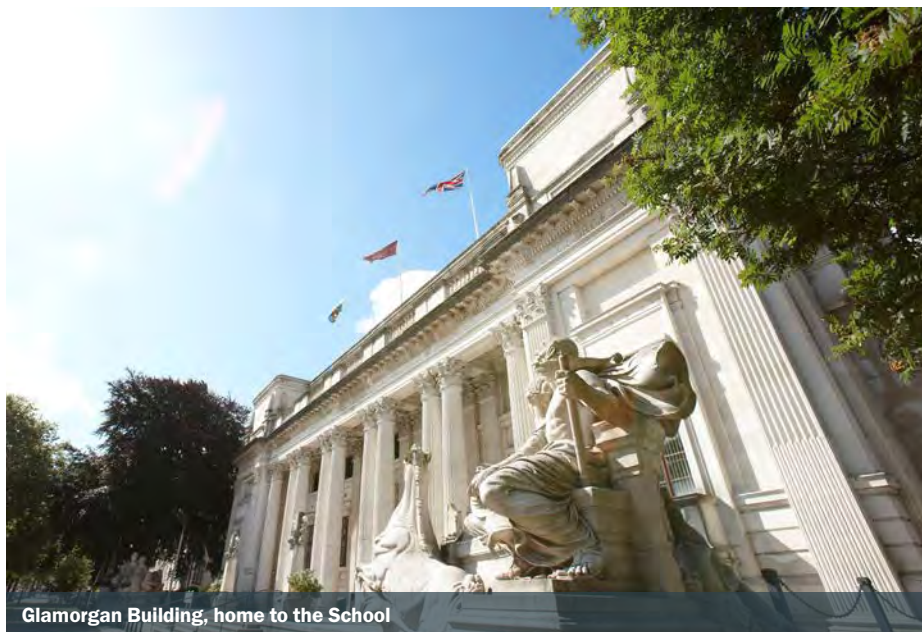
We are committed to protecting and growing the spaces that nurture us, improving the communities that shape us, developing the institutions that bind us and positively influencing the people that lead us.

### Connected

We have long-established relationships with professional bodies and industry partners. These links ensure we are part of the evolving conversations around geography and planning issues.

Our undergraduate programmes hold accreditation from the UK's leading learned societies or professional associations in the fields of geography, planning and surveying. We are accredited by the Royal Geographical Society (RGS), Royal Town Planning Institute (RTPI) and the Royal Institution of Chartered Surveyors (RICS).

Recognising the importance of industry voices and practitioner experience, we regularly host events with external speakers to provide you with insights into links between academic ideas, policy and practice. This is a great way to develop your industry and specialised knowledge while building your professional relationships.



Glamorgan Building, home to the School

### Your future in focus

All our programmes are now available with a professional placement year. You would take a salaried placement in your third year before returning to us for your fourth and final year of study.

A year in industry enables you to develop your professional know-how and understanding before you graduate. You will be able to practically apply your learning to a contemporary workplace setting, engaging in a range of activities and exercises that will build your confidence and competence.

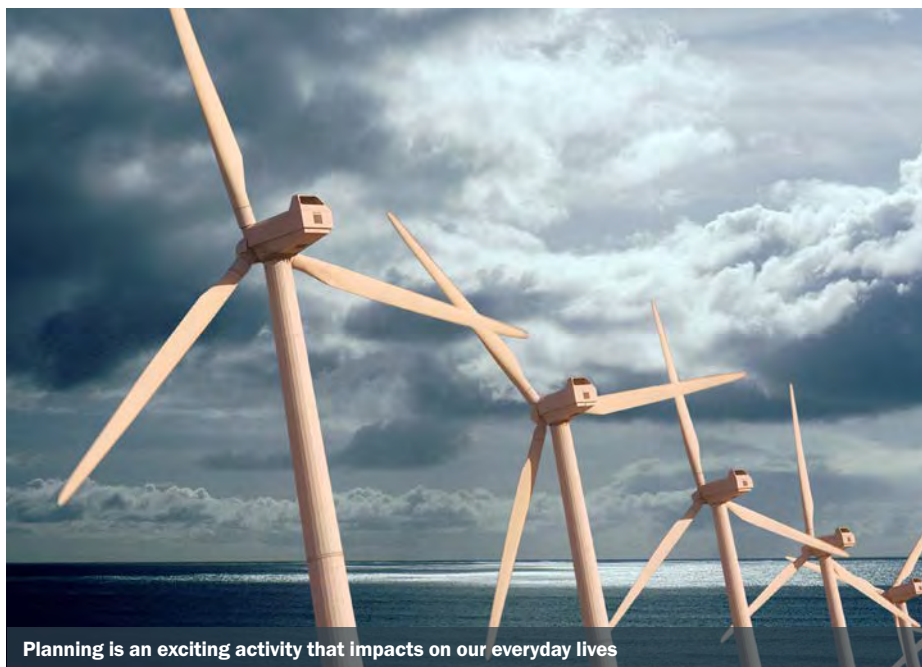
Previous placement employers have been drawn from the private and public sectors, as well as in the third sector, such as charitable trusts and campaigning organisations.

### Globally aware

The experience of studying or working in an international context can be highly attractive to employers, but it is also an opportunity for academic, social and cultural development.

In your first year, depending on your module choices, you will have the opportunity to go on local field trips. During your second and final years, you will have the opportunity to embark on a field study visit to European and international city destinations. This is an opportunity to engage with social, economic, and place-based issues in a live setting.

Current second-year destinations include Amsterdam, Berlin and Copenhagen with final year destinations of Cape Town, Los Angeles and New Orleans.



Planning is an exciting activity that impacts on our everyday lives

## BSc Human Geography

Tackle the global contemporary social, political, economic and environmental challenges which affect how and where we live. Human geography is the study of our world and our relationships with systems, policies, cultures and social behaviours. It is about where we live, how we live and how we want to live.

Our world is complex, our lives complicated. Multidimensional social and political issues – local, national and global - stream across our television screens and social media. They have the power, when misunderstood or misrepresented, to skew public discourse, breed division and undermine social cohesion.

Our programme provides you with the knowledge and critical understanding of the intricate relations between the natural and human world and an awareness of how places outside your everyday experience are created. You will learn how to use your knowledge to shape the views and actions of elected decision-makers, the voluntary sector and industry, in order to improve society.

Together, we will explore geographical ideas and practice at various spatial scales, making connections between the local, regional, national and global levels. While the programme will emphasise the environmental, social, cultural, political, economic and development components of geography, it also includes a range of specialist modules which will enable you to pursue your own interests and passions.

While our focus is on human geography, we also place a strong emphasis on how humans interact with the physical environment.

Accredited by the Royal Geographical Society (RGS), this programme allows you to apply your geographical knowledge in practice by offering a work placement module in the second year.



“I would argue that Human Geography is unparalleled in its ability to offer interesting, challenging, and diverse topics of study. On countless occasions it has changed my perspective of the world, the relations I have with others, and my ability to critically analyse arguments which are at the forefront of global discussion.”

**Matthew Ellis, Human Geography (BSc)**

## BSc Human Geography and Planning

Explore the changing nature of space and place and help solve the major social and development issues affecting communities in the UK and around the world.

Our programme combines the problem-solving approaches of planning with the topical insights of geography, equipping you with the skills, knowledge and confidence needed to tackle the challenges affecting how and where we live.

It fosters an understanding of the main geographical trends in the world today, along with the analytical skills to study spatial change. You will examine the changing nature of spaces and places, the relationship between society and space, and the role of the state.

Placing local and national issues in a global context, we cover topics from environmental, social and economic change across the UK to regional and international development.

You will 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. Detailed case study work through field study visits, away days and projects will give you an appreciation of transnational spatial change.

You can choose to study an accredited or non-accredited version of this programme.

The accredited option includes Royal Town Planning Institute (RTPI) accreditation which requires you to follow a specific selection of modules.



“I loved studying geography at A-level and knew that I wanted to continue to study it at university, but I was also interested in planning, particularly the opportunity it offers to explore and apply learning to different case studies. I’m also quite an arty person and planning has allowed me to be more creative through modules such as urban design.”

**Sophie Jones, Human Geography and Planning (BSc)**

## BSc Urban Planning and Development

What can be more exciting than the challenge and responsibility of shaping the places in which we live, work and play?

Our programme focuses on the social, economic and environmental challenges of creating better places in which to live and will provide you with the knowledge, tools and confidence to transform policy and practice to overcome those challenges.

Planning impacts our everyday reality in so many ways, influencing the homes in which we live and the quality and availability of opportunities which can support our health, wealth and collective well-being. It can affect our public and community spaces and our professional and leisure spaces, as well as how we travel and move between them. You will examine how and why places, such as cities, towns, and the countryside, change and how they can be improved through planning practice and research.

This programme opens up a wide range of exciting career opportunities in planning, development and surveying. Our graduates have an excellent track record of securing employment in these sectors, as well as transport, economic development, environmental policy, housing and urban regeneration. With modules that involve leaders and experts from the world of practice, you will also have the opportunity to understand how your learning applies to planning practice and consider the ways in which you can develop your professional profile and employability.

Accredited by both the Royal Town Planning Institute (RTPI) as a spatial planning degree and the Royal Institution of Chartered Surveyors (RICS), providing all the educational requirements for membership.



“I chose to study Urban Planning and Development as there are a range of career paths and specialisations that you can go into with a planning degree such as planning, surveying, regeneration, major infrastructure and housing. The programme allows you to gain an insight into all these fields which often have cross-overs in knowledge.”

**Hasnain Ikram, Urban Planning and Development (BSc)**

# Healthcare Sciences



## Why choose **Healthcare Sciences** at Cardiff?

All of our subjects are ranked **1st** in Wales and **top 10** in the UK.

Source: The Times Good University Guide 2020

**100%**

Overall student satisfaction for Midwifery, and Radiotherapy and Oncology programmes.

Source: National Student Survey 2019

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.  
Visit: [www.cardiff.ac.uk/adviceandmoney](http://www.cardiff.ac.uk/adviceandmoney) for more information

**100%**

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



## Degree programmes/ UCAS codes

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

**Adult Nursing (BN) (Hons)**  
(September intake) B740  
(March intake) B741

**Child Nursing (BN) (Hons)**  
(September intake) B730

**Mental Health Nursing (BN) (Hons)**  
(September intake) B760  
(March intake) B761

**Occupational Therapy (BSc) (Hons)**  
(Three years, Full-time) B921

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

**Operating Department Practice (BSc) (Hons)**  
(Three years, Full-time) B992

**Physiotherapy (BSc) (Hons)**  
(Three years, Full-time) B162

**Diagnostic Radiography and Imaging (BSc) (Hons)**  
(Three years, Full-time) B823

**Radiotherapy and Oncology (BSc) (Hons)**  
(Three years, Full-time) B824

### Accreditation

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

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

## Applications Information

Typical places: 600

Typical applications: 5,000

## 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.

## 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.

**Midwifery:** ABB (no specified subjects).

**Nursing:** BBB (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 distinctions and 24 merits.

**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.

**BTEC: Nursing:** DDM. All relevant subjects may be considered.

**Radiography:** DDM in Applied Science or Medical Science. Other BTECs may be considered.

**OT:** DDD in Applied Science and Health and Social Care. Other BTECs may be considered.

**Operating Department Practice:** DMM in Science or Health related topics.

Other BTECs may be considered.

**Physiotherapy:** DDD in Applied Science or Medical Science.

**Midwifery:** DDD BTEC Extended Diploma. Other BTECs may be considered.

**Radiotherapy:** DDM in Applied Science or Medical Science. Other BTECs may be considered.

**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.

### In addition - all degrees

#### GCSE:

**Nursing, Midwifery, OT, ODP:** 5 GCSE grades A\*-C/grades 9-4 including English/Welsh, Maths and a Science.

**Physiotherapy:** 7 GCSEs Grades A\*-C/Grades 9-4 including English/Welsh, Maths and Science.

**Radiotherapy and Oncology, Diagnostic Radiography:** 5 GCSEs grades A\*-C/grades 9-4 including English/Welsh and Maths. Plus two 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.**

## Find out more

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

Download the School brochure:

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

Admissions tutors:

Director of Recruitment and Admissions:

**Gina Newbury**

Adult Nursing: **Sandra Fender**

Children's Nursing: **Martina Nathan**

Diagnostic Radiography: **Gareth Thomas,**  
**Mark Linehan**

Mental Health Nursing: **Alex Nute**

Midwifery: **Janet Israel**

Occupational Therapy: **Heather Hurst,**  
**Steve Whitcombe**

Operating Department Practice:

**Craig Griffiths**

Physiotherapy: **Stephen Dando**

Radiotherapy and Oncology: **Paul Brown**

Tel: (029) 2087 7538

Tel: +44 (0)29 2087 7538

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

 @CUHealthSci

## Do you want to make a difference, not just a choice? Be part of something special and join our School, which offers a range of qualifying healthcare degrees.

Having one of our buildings located within the University Hospital of Wales, the third largest University Hospital in the UK, means our School benefits from a strong healthcare focused community feel.

You will be taught by lecturers who have real-life experience within their profession, and you will learn alongside students from other healthcare programmes, which provides a unique multidisciplinary environment in which to study.

Be part of something special, and start a career you'll feel proud of today.

### Post-registration

We offer several modules and courses for registered healthcare professionals who would like to continue their education at Level 6.

For further information on post-registration study please visit our website.

### BMid Midwifery

Our midwifery programme is ranked 1st in Wales and top 10 in the UK by The Times Good University Guide 2020. Plus, with 100% of our students satisfied with our course (The National Student Survey 2019) you will be joining a popular and supportive midwifery programme with a family feel.

As a qualified midwife, you'll provide full antenatal care, identify and co-ordinate the care for women with high-risk pregnancies, monitor all women and support them during labour, and teach new mothers how to feed and care for their babies. You will be working with women from a variety of backgrounds, so you will need to be confident enough to

communicate and support different people in a variety of situations.

You'll be joining the only university that has been designated by the World Health Organisation as a Collaborating Centre for Midwifery Development. As the centre for the European region, you will be taught by helpful and knowledgeable lecturers who are influencing healthcare and education across Wales and beyond through their engagement and research.

You will be able to enhance your academic learning in our simulation suites. The realistic midwifery ward, equipped with specialised mother and baby mannequins along with our simulated theatre, exposes you to lifelike situations where you can safely practise and develop essential skills, developing your confidence and expertise before going out into placement.

Whilst learning in the university setting is essential, we recognise and value equally the learning that occurs in the placement area. In recognition of this and the Nursing and Midwifery Education Standards, you will spend approximately 50% of your time on placement. We have established close working relationships with two large service providers in South Wales to facilitate placement learning in a range of environments, in the hospital and in the community to enhance your experience in caring for women, whilst being supervised by a dedicated mentor.

This degree is validated by the Nursing and Midwifery Council (NMC) and successful completion will lead to eligibility to register with the NMC as a qualified midwife. Please note that the programme will meet new NMC Standards of pre-registration midwifery education which are due to be published in 2020.

We strive to ensure our graduates are ready for the next step and that's why 100% of our midwifery students are in employment or further study within six months of graduating (UNISTATS 2019).

"The opportunity to work within two University Health Boards enriches your education and the dedicated mentors help develop you into a confident and skilled practitioner."

Lily Geraghty, Midwifery

### Bachelor of Nursing (Hons)

Join one of our nursing programmes that are ranked 1st in Wales and top 10 in the UK by The Times Good University Guide 2020 and are validated by the Nursing and Midwifery Council (NMC).

### BN Adult Nursing

Adult nursing is a professional degree which leads to an exciting, challenging and rewarding career. Our programme provides you with the skills and knowledge to become a registered adult nurse after three years.

Becoming an adult nurse means you will work with adults of all ages (over the age of 16). You will build trusting relationships with individuals in your care and their families, taking lots of factors into account and managing many priorities to get the best possible result for them.

Supportive lecturers will provide interesting learning which can be practised in our highly-equipped learning environments, which enable you to learn in a realistic ward, community, home and emergency simulations. Lifelike simulations mean you can safely practise and develop essential skills, developing your confidence and expertise before going out into placement.

You will spend approximately 50% of your time on placement, in both hospital and community settings. During year two, there is an opportunity for you to undertake a placement learning opportunity in a different environment, either within the UK or overseas.

**With access to outstanding library, IT and clinical simulation facilities**, you'll also have opportunities to learn alongside future colleagues from other healthcare professions and in close proximity to major regional and national centres of clinical excellence.

## CardiffConnected

"The course is really varied. We go onto placements and we get to know all the different areas, which means we can apply the theory that we learn in class straight away into practice. Within a couple of months we know what we are going to be practising and we are able to see how this looks in real life. Placements are important as it gives you the confidence to know what's going to happen when you will be working as a qualified nurse."

Sylvia, Mental Health Nursing



This degree will lead to eligibility to register with the Nursing and Midwifery Council (NMC) as an adult nurse. On qualification, you can work in a range of healthcare settings, both in the United Kingdom and abroad. We strive to make you the best adult nurse you can be.

“Cardiff University offers clinical placements in the University Hospital of Wales, a well-established hospital which will provide me with valuable experience and open doors for me in the future.”

**Kayleigh Griffiths, Adult Nursing**

### BN Child Nursing

Our programme provides you with the skills and knowledge to become a registered children's nurse after three years and offers you the opportunity to make a real difference to children's lives; a value that few other professions can offer.

Children's nurses provide support and care to children, adolescents and their families. The role can involve everything from nursing a sick newborn baby, to caring for an adolescent road accident victim. A child nurse needs to interpret children's behaviour and reactions and be able to spot when a child's health deteriorates, which can often happen rapidly. Children have very specific health needs and children's nurses are practiced within a family-centred care approach, where children, young people and their carers are actively supported to become involved in care decisions.

Our lecturers are all registered children's nurses who provide supportive and interesting teaching by drawing upon their

own experiences from practice and evidence-based care. We have highly-equipped skills laboratories in our clinical simulation suite which enable you to learn in a realistic children's ward, community, home and emergency simulations. Lifelike simulations mean you can safely practise and develop essential skills, developing your confidence and expertise before going out into clinical placement.

You will spend approximately 50% of your time on placement. We offer a varied experience, which will allow you to integrate academic theory with practice and gain insight as to the wide-ranging employment opportunities available to you upon qualification. In the second and third year of the programme you will also have the opportunity to work in specialist areas such as; neonatal units, paediatric intensive care unit, children's accident and emergency unit, children's and teenage oncology units and children's hospice.

As part of your placements, you will be placed in the Noah's Ark Children's Hospital for Wales, based at our Heath Park Campus site. This degree will lead to eligibility to register with the Nursing and Midwifery Council (NMC) as a child nurse.

“I have loved the variety of placement opportunities I've been given, especially with POLO. My job opportunities now look so broad!”

**Billie Powell, Children's Nursing**

### BN Mental Health Nursing

Validated by the Nursing and Midwifery Council (NMC), our valued and challenging mental health nursing course prepares you for a rewarding and stimulating career.

Mental health nurses offer help and support to people of all ages, their families and carers to support recovery from a variety of mental health conditions. The role is diverse; you might help one person to begin to understand their experience of disorder, while engaging another about relevant therapies that can help with their recovery. Mental health care can be delivered by nurses in a variety of contexts, such as specialist hospitals, community settings and people's own homes. Whilst the key role of the mental health nurse is to form meaningful therapeutic relationships, it is imperative that they are able to provide holistic and recovery focused-care, and these are principles and skills you will develop through our programme.

While you will specialise in mental health nursing from the start of the course, the integrated nature of teaching means you will share ideas and learn with those studying children's and adult nursing.

Our supportive mental health lecturers provide diverse and interesting learning opportunities, which will include simulated practice in our specially designed communication booths. This allows you to touch on emotive areas, reflecting the real world of mental health nursing practice in a safe and supportive environment.

You will spend approximately 50% of your time on placement. Our placements include teams working with children and young people and adults in community and hospital settings.



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

You will experience a broad range of clinical contexts which could include areas such as crisis intervention, psychiatric intensive care units, addictions services and forensic mental health.

Completing this degree will allow registration with the Nursing and Midwifery Council (NMC) as a mental health nurse. It will ensure you are fit for practice at the point of registration and equipped to develop your career.

"I would recommend studying Mental Health Nursing at Cardiff University. I hope to work in areas such as acute mental health in-patient facilities, rehabilitation and the community."

**Rebecca Farman**  
Mental Health Nursing

### PgDip/BSc Occupational Therapy

Ranked 1st in Wales by the Times Good University Guide 2020 and Top 2 in UK by The Complete University Guide 2020, our Occupational Therapy programme aims to qualify you as an occupational therapist.

As a qualified occupational therapist, you will work with a variety of people who, for reasons of ill-health, disability, trauma or adverse social circumstances, face barriers and challenges which prevent them from undertaking the activities (or occupations) that matter to them. You could be helping someone to adjust to life after major surgery one day and helping people suffering from mental illness get back into everyday activities, such as work, the next day.

Our programme is approved by the World Federation of Occupational Therapists (WFOT) which means that your qualification will be recognised in around 60 countries worldwide, enhancing your opportunities for international employment. With over 50 years of experience in delivering occupational therapy education, our stimulating programme with a blended learning focus provides you with the opportunity to engage in both academic study and placement education.

You'll receive close academic support from experienced personal tutors and be taught and supported by experienced staff, whilst sharing ideas.

You'll get to learn in our community hub and occupational therapy clinic, providing you with the chance to practise theory and also observe and assist with assessment and treatment of real clients with developmental disabilities.

You'll spend an important amount of your learning time on placement in Wales that is supported by experienced occupational

therapy educators. A varied placement experience will allow you to integrate your academic theory with practice and gain insight into where occupational therapists work and the wide-ranging employment opportunities available to you upon qualification.

Once you have successfully completed the course you will be eligible to register with the Health and Care Professions Council (HCPC) and be eligible to gain a professional membership of the Royal College of Occupational Therapists (RCOT).

### Occupational Therapy (PgDip) pre-registration

Our two-year accelerated programme aims to qualify those who already hold a degree (with a minimum grade of 2:2 in any subject) as an occupational therapist. On successful completion, you will be eligible to register with the Health and Care Professions Council (HCPC) and have the opportunity to continue onto the MSc in Health and Occupation, available as a stand-alone dissertation module, which will enable you to top up your qualification to a full MSc degree.

"I chose Cardiff University because it's got great facilities, for example, the activities of daily living suite and simulation suite for occupational therapy."

**Liam Hanson**  
Occupational Therapy

### BSc Operating Department Practice

Ranked as the number one provider of Operating Department Practice (BSc) by the Guardian League Tables 2020.

You'll be joining a friendly team at the only higher education institution in Wales and the only Russell Group University offering Operating Department Practice (BSc).

It's an exciting, challenging and rewarding career choice which is very unique and practical. Operating department practitioners (ODPs) are vital members of a multidisciplinary team. They support patient's emotional, psychological and physical wellbeing throughout the perioperative journey, whilst ensuring that appropriate resources are available to meet the high level of patient care required. This can be in anaesthetics, such as preparation of a wide range of specialist equipment, ensuring it meets the patient's individual needs; or in surgery, such as being responsible for preparation and use of surgical instruments; finally, in post anaesthetic care, such as providing monitoring and appropriate interventions until the patient has recovered



You will have extensive opportunities to prepare for clinical practice

appropriately from the effects of anaesthesia and surgery.

You'll be taught skills that encompass all of these three phases in both your academic study and clinical placements.

Within academic study, not only do you get support from a personal tutor and an innovative team of academics in a close-knit cohort, you will be supported in our recently refurbished simulation suite. This resembles a real perioperative environment. Giving you the chance to practice your theory knowledge and skills before going out into practice.

Your clinical placements take up approximately 60% of your study and take place throughout Wales, working alongside dedicated placement mentors, knowledgeable perioperative professionals and real patients.

You'll experience a diverse range of clinical environments, ensuring you are prepared for the employment market. That's why 100% of our students are in employment or further study after six months of graduating (UNISTATS 2019).

After qualifying, most ODPs are primarily based in the operating department, but can also work in areas as diverse as accident and emergency, intensive care units, obstetric departments, endoscopy and as members of the cardiac arrest team, to name but a few.

On completion you will be eligible to apply to the Health and Care Professions Council (HCPC) for registration as a registered operating department practitioner.

"With their outstanding reputation for nurturing and supporting their students, state-of-the-art facilities and knowledgeable lecturers, I knew that this was the place where I could grow."

**Tiffanie Shawcroft**  
Operating Department Practice

## BSc Physiotherapy

Choosing physiotherapy at Cardiff University, means you will be studying at one of the top three Physiotherapy courses in the UK, as ranked by The Times and Sunday Times Good University Guide 2020.

Physiotherapy helps to restore movement and function when someone is affected by injury, illness or disability, through movement and exercise, manual therapy education and advice. It can also be used to reduce the risk of injury or illness in the future. This degree aims to qualify you as a formally registered physiotherapist who will have the ability to work in a multi-disciplinary team in various settings.

Our hands-on course offers you the chance to study through both academic and practical learning. Your academic learning will be supported by internationally recognised researchers and academics. Practical teaching takes place in specially designed labs and simulation suites and boasts state-of-the-art equipment, such as an anti-gravity treadmill and a motion capture centre.

Placement learning across Wales is also an essential part of the course and it will give you the confidence and skills to practise physiotherapy professionally in real-life situations with qualified professionals.

We constantly strive to make sure you have plenty of opportunity to take part in extra-curricular activities, such as physiotherapy-related support with the annual Cardiff Half Marathon.

Our course is validated by the Health and Care Professions Council (HCPC) and the Chartered Society of Physiotherapy (CSP), meaning upon successful completion of the degree you can register as a qualified physiotherapist.

“The wide variety of practical and theoretical work means each day is different! It could range from massage, dissection and electrotherapy to hydrotherapy, body paint . . . and so much more!”

**Lizzie Russell, Physiotherapy**

## BSc Diagnostic Radiography and Imaging

Our Diagnostic Radiography and Imaging programme is ranked 1st in Wales and 4th in the UK by The Times and Sunday Times Good University Guide 2020.

Our full-time programme is accredited by the Society and College of Radiographers, and the

skills you obtain are transferable to all NHS Trusts and are recognised overseas.

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 to patients, from newborn 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.

Our course aims to immerse you in all aspects of radiography practice, both practical and theoretical. Practical teaching takes place in our dedicated diagnostic facilities, including a functional diagnostic X-ray room and an image viewing suite, all supported by simulation software that you have access to. You will receive close academic support from experienced personal tutors and be taught and supported by experienced staff.

We have close working relationships with NHS Trusts across Wales and you will benefit from placements supported by experienced radiography placement educators. An original research project represents the culmination of your 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.

Upon successful completion of the course, you will be able to qualify as a diagnostic radiographer with the Health and Care Professions Council (HCPC).

“Placement is a brilliant opportunity to put my learning into practice and build my confidence.”

**Lleucu Walters, Radiography**

## BSc Radiotherapy and Oncology

Our Radiotherapy and Oncology programme is ranked 1st in the UK (as an institution offering radiotherapy and oncology under the category of radiography) in The Times Good University Guide 2020. Both the Health and Care Professions Council (HCPC) and Society and College of Radiographers accredit us.

Therapeutic radiographers play a key role in the treatment and care of people with cancer. This challenging yet 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, physiology and cancer as a disease process and a human predicament.

As a therapeutic radiographer you will work closely with doctors, medical physicists and other members of the healthcare team to provide personal and supportive care to all ages. These people 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 management of side effects and post-treatment support.

We offer an integrated mixture of university-based study and practice placements in the clinical setting. You also will learn alongside supportive lecturers in dedicated simulation facilities. That's why 100% of our students are satisfied with our course (The National Student Survey 2019). Our virtual environment for radiotherapy (VERT) suite is used to enhance your 3-dimensional anatomy learning as well as specific radiotherapy-related skills. Plus our specially designed mould room allows you to practise and develop skills which are not always available to students in the clinical setting.

We work collaboratively with NHS organisations across Wales to provide you with varied practice placements, so that you are competitive in the employment market upon qualification.

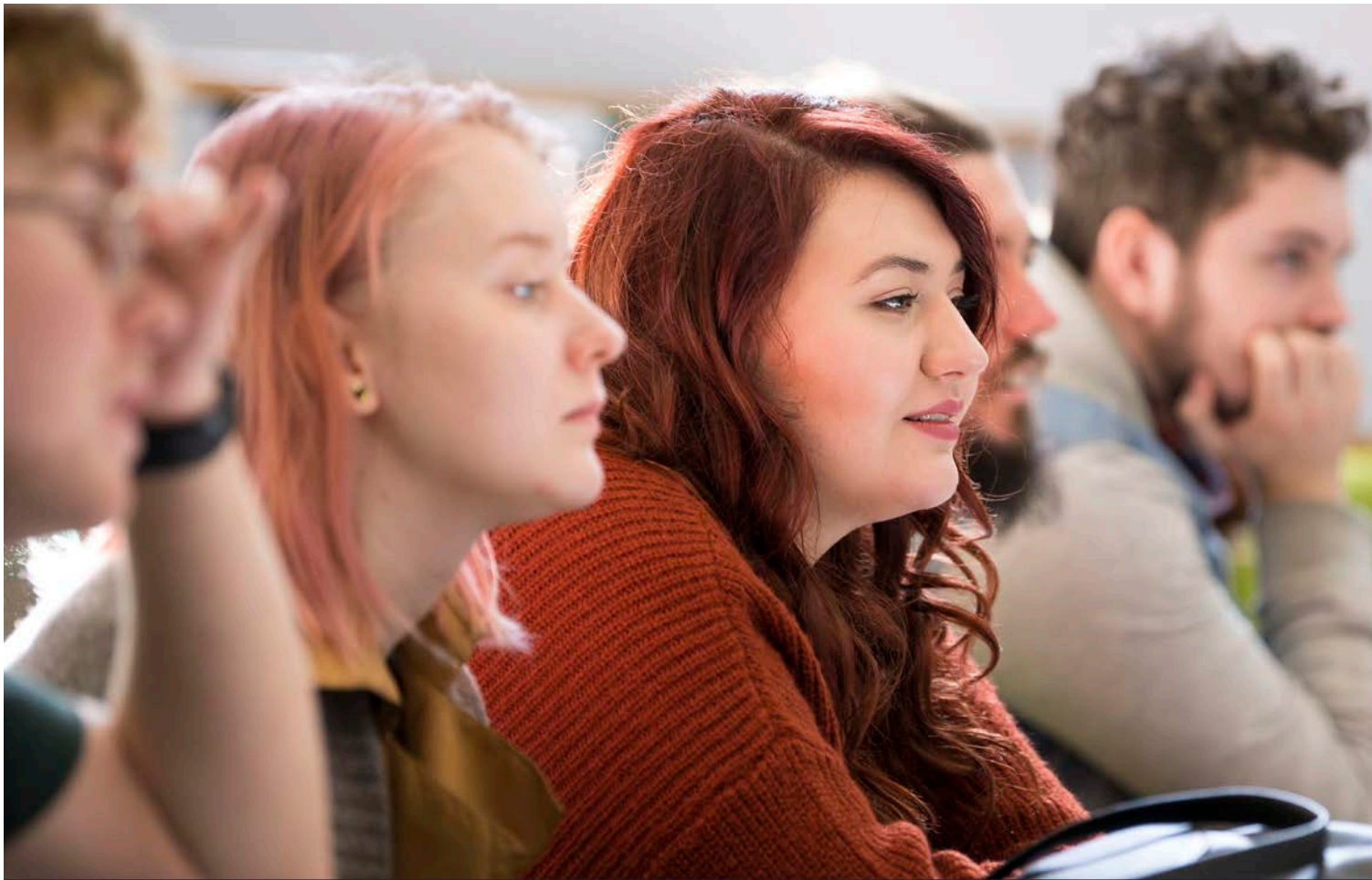
You will have the opportunity to explore an original research project, which represents the culmination of your three years of study. This research study aims to equip you with the necessary skills for ongoing professional development and evidence-based practice.

Upon successful completion of the course, you will be eligible to apply for registration as a Therapeutic Radiographer with the Health and Care Professions Council.

“I love studying radiotherapy at Cardiff because it's a combination of academic and clinical learning. You could be studying the oncology of an organ one week and the next week you'll be putting your knowledge to practice in department.”

**Sophie Johannson, Radiotherapy**

# History, Archaeology and Religion



## Why choose **History, Archaeology and Religion** at Cardiff University?

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

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

You can apply to spend a **year abroad** on a wide range of our programmes.



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)

A **flexible curriculum** lets you tailor your degree to your interests.

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

## Degree programmes/ UCAS codes

### Single honours

<b>Ancient History (BA)</b> (Three years)	V110
<b>Ancient and Medieval History (BA)</b> (Integrated programme) (Three years)	V116
<b>Archaeology (BA)</b> (Three years)	F400
<b>Archaeology (BSc)</b> (Three years)	F402
<b>Archaeology and Ancient History (BA)</b> (Integrated programme) (Three years)	VVC4
<b>Archaeology and Medieval History (BA)</b> (Integrated programme) (Three years)	VV1K
<b>Conservation of Objects in Museums and Archaeology (BSc)</b> (Three years)	F482
<b>History (BA)</b> (Three years)	V100
<b>History with Welsh History (BA)</b> (Three years)	V1V2
<b>Modern History and Politics (BScEcon)</b> (Three years)	LV21
<b>Religion and Theology (BA)</b> (Three years)	V6V6
<b>Joint honours</b>	
<b>Ancient History and History (BA)</b> (Three years)	V117
<b>Ancient History and Religious Studies (BA)</b> (Three years)	VVQ1
<b>Archaeology and Religious Studies (BA)</b> (Three years)	VV64
<b>History and Archaeology (BA)</b> (Three years)	VV14
<b>History and Religious Studies (BA)</b> (Three years)	VV61
Other joint honours BA – see page 146	
<b>Ancient History and another humanities subject</b>	
<b>Archaeology and another humanities subject</b>	
<b>History and another humanities or social science subject</b>	
<b>Religious Studies and another humanities or social science subject</b>	

## Typical entry requirements

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

### A-level:

**Ancient History:** ABB-BBB

**Archaeology BA and BSc:** BBB-BBC

**Conservation:** BBB-BBC

**History (single honours):** ABB

**Modern History and Politics:** ABB

**Religion and Theology:** BBB-BBC

**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.

**BTEC:** Single honours: DDM-DMM Humanities or Social Science. Any other BTEC subject if combined with an A-Level excluding General Studies and Critical Thinking.

Joint honours: See website.

**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. An A in Extended Project Qualification will be accepted in combination with A level grades listed above. Please check individual degree criteria on our website for more details.

### All degrees

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

See page 153 for information about GCSE equivalencies.

## 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, solicitor, radio producer, assistant chaplain and teacher.

### Employers

Local government departments, universities, public libraries plus organisations such as the Church in Wales, British Museum, Historic England and Cadw, and the Department for Education.

## Applications information

Typical places: 300

Typical applications: 1,650

## Find out more

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

Download the School brochure:

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

Admissions enquiries:

Archaeology: **Dr Richard Madgwick**

History: **Dr Bronach Kane**

Ancient History: **Dr Louis Rawlings**

Conservation:

**Dr Nicola Emmerson /**

**Professor David Watkinson**

Religious Studies: **Dr Michael Munnik**

Tel: (029) 2087 4470

+44 (0)29 2087 4470

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



**CardiffUniHistoryArchaeology  
Religion**



**@CUHistArchRel**

Curious about the human experience across millennia and cultures, we are seeking to better understand our past to illuminate our present and improve our future.

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

Explore ancient civilisations over two millennia from the Bronze Age to the rise of Islam, stretching from Ancient Greece and Rome to Mesopotamia, Iran and the Silk Route.

Dedicated to the understanding of past societies through the interpretation of ancient evidence, this degree explores visual, epigraphic and archaeological material. It develops knowledge and critical understanding of the political, social, economic and cultural structures of these ancient Near Eastern and Mediterranean societies. Unusual in the UK, our programme also allows you to discover the Levant and Egypt, Persia and the Byzantine Empire. For us, social and cultural topics are just as important as historical periods and political history. You'll encounter fascinating themes with contemporary relevance, from warfare, gender, religion, art and literature to medicine and science. Particularly popular is the reception of antiquity in popular culture, from gaming to fashion and cinema.

### 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 scientific and practical elements, but the degree structures are very similar.

You can combine the study of specific periods - from the origins of agriculture in early prehistory 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, illustration, forensics and surveying. You will undertake at least eight weeks of funded practical placement, usually on an excavation or in a museum within the UK or overseas. You will 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, and gain wide-ranging skills valued by employers.

**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 (BA)





## 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 can 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.

Bringing a wealth of expertise across themes and religious traditions, our academics share the latest thinking in the classroom, including their own cutting-edge research. Our research expertise is particularly strong in Asian religions; the origins of Christianity, Judaism and Islam; and Islam in the contemporary world. Our degree offers a rare chance to study scriptural languages (such as Sanskrit, Greek and Arabic), for those with an interest in studying the original text.

## Further information

### Joint honours degree programmes

For further information about our wide range of joint honours degree programmes, please also see page 146.

### Part-time study

We offer part-time routes in our single honours degrees.

## Studying abroad

You can apply to study abroad for a year in a wide range of destinations, including universities in the USA, Canada and across Europe, on all degrees taught entirely within the School. Study abroad options vary for joint honours programmes. Please check the website for the latest information.

## 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 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



## Why choose **Journalism, Media and Culture** at Cardiff University?

**2nd in the UK** for the world-leading quality and impact of our communication, cultural and media studies research.\*

Source: REF 2014.

**96%**

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

**89%**

of our REF 2014 research was rated '**internationally excellent**' or '**world-leading**'.\*



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)

We have been ranked the **4th** best communications and media studies school in Europe.\*

Source: QS World Rankings by subject 2019.

The Guardian ranks us as the **3rd** best school in the UK for Journalism and Public Relations.\*

Source: Guardian University league tables 2020.

## 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 the latest information.

### A-levels:

#### 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.

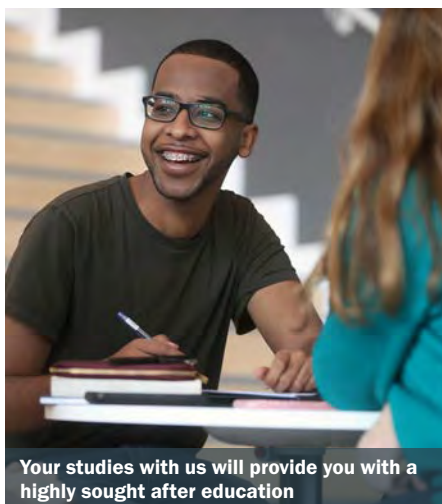
**WBA:** The Welsh Baccalaureate Advanced Skills Challenge Certificate will be accepted in lieu of one A-level (at the grades listed above), excluding any specified subjects.

**IB:** 33 points (including 6 points in English) or 665 at Higher Level.

**BTEC:** DDM in all Arts, Science, Humanities and Social Science subjects.

**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.



Your studies with us will provide you with a highly sought after education

## Applications information

Typical places: 180    Typical applications: 1,000

## Find out more

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

Download the 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 +44 (0)29 2087 5475

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

Welsh language admissions tutor: **Sian Morgan Lloyd**

Tel: (029) 2087 6843 +44 (0)29 2087 6843



## 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

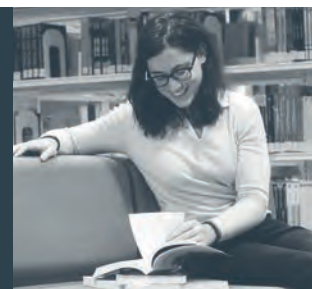
Having progressed from entry-level jobs our alumni now hold numerous media and administration roles. Job examples include: TV producer, business entrepreneur, fashion designer, copywriter, PR executive, blogger, teacher and journalist.

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

## CardiffConnected

"Getting to know so many passionate lecturers allowed me to access a wide variety of perspectives and the variety of modules allows you to tailor your degree to your own interests. I got the chance to learn and do research around topics that matter to me, all in an intellectually stimulating environment."

**Sofia**, Media, Journalism and Culture (BA)



**Our degree programmes study the many facets of journalism, media, culture and communications, in an era of globalisation. The excellent quality of our teaching, research and scholarship and its value to our graduates is recognised across the world.**

Within the UK, we are ranked fourth best for journalism and public relations by the Guardian. Across Europe, we are ranked sixth, and, globally, twenty-fifth for communications and media studies by the latest QS World University Rankings by Subject.

### **In the heart of the city**

The School's home is a state-of-the-art building in Cardiff's Central Square, situated alongside national broadcaster BBC Wales and in close proximity to other media organisations. Our world-class facilities enhance our industry-academic interface, putting us at the heart of a vibrant media environment, in the city centre.

### **Your study experience**

We are proud that our staff include some of the world's leading writers, researchers and thinkers in the fields of journalism, media and communication. They work alongside professional colleagues who have enjoyed outstanding careers in journalism, the cultural and creative industries, or public relations. In the 2019 National Student Survey, we achieved an overall student satisfaction rating of 90%.

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 make future plans. All our degrees also offer several optional modules taught through the medium of Welsh.

### **Quality research**

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

### **Career prospects**

The nationally recognised Destinations of Leavers from Higher Education (DLHE) survey found more than 96% 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 media and communications education, which includes the ability to research, write and critique according to the

highest academic standards, coupled with dynamic presentation and team-working skills.

### **BA Media, Journalism and Culture**

This degree aims to ensure that, following your time studying with us, you will have become both a critically aware citizen and a well-informed consumer in our media-saturated society.

We begin 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.

You will study 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 will develop skills in the close analysis of different media texts, including print, visual, audio and moving images. While you are able to take a number of more practical modules, the emphasis of the degree is academic and analytical.

### **BA Journalism and Communications**

The aim of this degree is to provide you with an analytical and practical understanding of journalism and communications and their integral role in both historical and present day contexts.

You will develop academic, professional and digital literacies that are invaluable in the workplace and, while you are able to take a number of practical modules, the emphasis of the degree is academic and analytical.

We will expect you to produce digital portfolios and practice journalistic writing skills across a number of platforms including online, broadcast, print and magazines. You will also pitch ideas for new editorial products and businesses, and in doing so you will use a variety of digital tools to produce graphics, blogs and social media campaigns.

### **BA Media and Communications**

This degree will help you to understand the historical and cultural basis behind the study of both the media and cultural industries and the importance of their roles in modern society.

You will learn 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.

You will develop critical and analytical thinking skills in a variety of areas, including film, television and popular music studies.

You will achieve this by engaging with major thinkers, debates and intellectual paradigms within the field.

### **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 you 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 graduates 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

Professionally  
accredited



Year abroad



## Why choose **Law** at Cardiff University?

Law at Cardiff University was ranked **1st** in Wales.

Source: The Times/Sunday Times Good University Guide 2020.

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

Practise 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)

We offer LLB Law students the opportunity to **spend a year working as paralegals**. The placement year is paid yet credit bearing and provides an excellent opportunity to build employability skills, develop practical legal knowledge and network with legal professionals.

**100%** of our submitted research was classed as 'international standard' with **84%** classed as '**internationally excellent**' or '**world-leading**'.\*

## Degree programmes/ UCAS codes

Law (LLB)	M100
Law and French (LLB)	RM11
Law and Criminology (LLB)	M190
Law and Politics (LLB)	ML12
Law and Sociology (LLB)	ML13
Law and Welsh (LLB)	MQ15

## We offer LLB Law students (M100) the opportunity to apply to study abroad.

Study currently takes place in Madrid, Prague or Warsaw at one of our European partner institutions through the medium of English.

## Typical entry requirements

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

### A-level:

**Law:** AAB-ABB.

**Law and French:** AAB-ABB (to include grade B in French).

**Law and Welsh:** AAB-ABB (to include grade B in Welsh first language).

**Law and Criminology/Politics/Sociology:** AAB-ABB.

There are no specific subjects required. Please check our 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.

**BTEC:** DDD-DDM. For Law with French DD plus grade B in A-level French. For Law and Welsh DD plus grade B in Welsh first language A-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: 300    Typical applications: 2,300

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions enquiries: Tel: (029) 2087 6102 +44 (0)29 2087 6102

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



cardifflawschool



@CardiffLaw

## Careers

We work in partnership with lawyers, charities and voluntary organisations to give you the opportunity to practise and extend your skills through a variety of pro bono schemes.

In 2019 our work, which provides vital legal assistance to those in need, was recognised at the annual LawWorks Pro Bono Awards where we were awarded 'Best Contribution by a Pro Bono Clinic'.

Our students have:

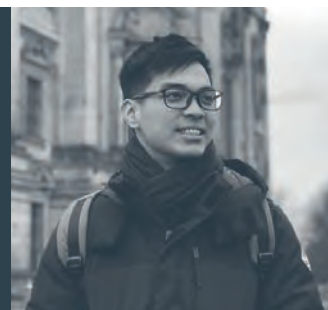
- helped overturn two convictions at the Court of Appeal through their work as part of the Cardiff Innocence Project
- reclaimed thousands of pounds for individuals and/or families who have paid private nursing home fees
- provided legal support for rugby clubs and players
- supported vulnerable adults who have been arrested.

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

"I have always been passionate about criminal law as I believe the criminal justice system has an irreplaceable role to play in maintaining the law and order of a society. When I first heard about the Cardiff Innocence Project, I learned that the system, which should serve as a safety net for society, is sometimes flawed and that people can be failed by it. I couldn't bear to see the consequence of a miscarriage of justice upon innocent people and their families and this is why I decided to use the knowledge I have to help."

Justin, LLM and Bar Professional Training Course



## 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 have the opportunity to gain hands-on experience of the law through a wide range of clinical legal education modules and pro bono activities in which you encounter real-life legal challenges. We have excellent rates of student satisfaction and provide an intellectually stimulating, supportive and friendly place in which to study.

All our LLB programmes equip you with the knowledge to proceed to the next phase of training to become a solicitor or barrister 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

- Crime, Law and Society
- Discrimination and Law
- Evidence
- French Law
- Land Law
- Legal Practice: Foundation Skills
- Media Law
- Miscarriages of Justice: The Cardiff Innocence Project
- Sociology of Law
- Tort
- Welsh Devolution

#### Year three

- Commercial Law
- Company Law
- Dissertation
- Environmental Law and Justice
- Equity and Trusts
- Family Law
- Global Problems and Legal Theory
- Healthcare, Ethics and Law
- Human Rights Law
- Intellectual Property
- Law and Governance in Practice: Work Placement Module
- Law and Literature
- Law in the Community: clinical legal education projects
- Law of the EU
- Legal History
- Sports Law

**Please note:** Land Law, Tort, EU Law and Equity and Trusts are foundational modules essential for those wishing to go into legal practice.

### LLB Law and French

We were one of the first UK universities to offer the opportunity of combining the study of English law not just with French language but also French Law and legal system.

The combination, over a four year programme is an excellent preparation for work in an international context, whether in industry, commerce, diplomacy or legal practice. Academically, the comparison of differing legal traditions widens intellectual horizons and deepens appreciation of basic legal concepts and practices. This programme involves a year abroad which you will study French law with an opportunity to gain a Licence en Droit - the French national Law degree.

#### Year one

You will study 120 credits: 40 are French language modules and 80 are law modules (Contract Law, Legal Foundations, Public Law and Criminal Law).

#### Year two

This year includes an advanced course in French language and compulsory modules in both French public and private law which will introduce you to key aspects of French legal methods. You will also continue your study of key foundational subjects in English law (tort and land law).

#### Year abroad

Your year abroad will be spent studying French law in the law faculty of a partner university (these currently include Amiens, Nantes, Rennes or Toulouse). At Amiens and Nantes, there is the opportunity to study for the Licence en Droit (French national Law degree) and obtain a double diploma in four years. Should you wish not to take the Licence en Droit, you will combine the study of some modules in French law with the completion of a dissertation in French comparing an aspect of English and French law.

#### Final year

On your return to Cardiff University, you will continue to study French language and at least one module in English law. Alternatively, you will have a choice of further modules in English law and/or aspects of French culture and society.

### 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 the modern legal system of Wales. You will study 120 credits in each year, with 80 credits in Law and 40 credits from the School of Welsh.

#### Year one

You will study 120 credits: 40 from the School of Welsh and 80 in contract law, legal foundations, public law and criminal law.

#### Years two and three

There are compulsory subjects in year two; currently these are Datganoli yng Nghymru and Yr Iaith ar Waith. In year three, you 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 will 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.



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

### Year one

You will study 120 credits: 40 relate to criminology, politics or sociology, and 80 are in law: contract law, legal foundations, public law and criminal law.

### Years two and three

120 credits are taken in each year with 80 credits in law modules and the remaining modules in criminology, sociology or politics and international relations.

The non-law modules must be chosen from those in Criminology or Sociology offered by the School of Social Sciences, or in Politics offered by the Department of Politics and International Relations. Further details can be obtained from these academic schools.

### Changes in programme

In all degree programmes, the list of available modules is kept under review. We reserve the right to add and delete subjects when necessary.

### Exemption from professional examinations

Until recently, the regulatory bodies for solicitors and barristers (The Solicitors Regulation Authority and the Bar Standards Board) have required students to obtain a Qualifying Law Degree (QLD) to progress through to subsequent vocational stages on the route to legal practice. All LLB Programmes at the School of Law and Politics allow you to study the foundational modules necessary to obtain the QLD.

However, the path to professional qualification is undergoing changes.

The Bar Standards Board will continue to require the study of the foundational modules before progressing to vocational training for the Bar.

Changes for those who wish to become solicitors are more significant. From September 2021, you will be required to sit a centralised online examination, the Solicitors Qualifying Exam (SQE). This means that you are no longer required to take the foundational modules as part of your Law degree. However, these modules cover subjects which are examined in the SQE, which means it will be beneficial for you to study them.

### Postgraduate studies

Postgraduate study in the School of Law and Politics can take one of three forms:

#### Postgraduate taught study:

We offer a broad based LLM programme leading to the degree Master of Laws. You can choose to pursue either non-specialised legal study or one of our specialised programmes in:

- Canon Law
- European Legal Studies
- Governance and Devolution
- Human Rights Law
- Intellectual Property Law
- International Commercial Law
- Legal Aspects of Medical Practice
- Legal and Political Aspects of International Affairs
- Shipping Law
- Social Care Law

### Professional legal training:

We are the only Russell Group University that currently offers the full range of courses to prepare students for professional practice. We have built a reputation over many years for our high quality provision which is well regarded by the legal profession.

We currently provide the LLM Legal Practice Course for graduates wishing to become solicitors. Subject to validation, from September 2020, we will offer the LLM-Bar Training Course for graduates wishing to pursue a career at the Bar (this course replaces the LLM Bar Professional Training Course).

For those who do not wish to pursue a master's degree, we also offer the Legal Practice Course (LPC) and, subject to validation, the new Bar Training Course (BTC) which will be available from September 2020.

We also offer the Graduate Diploma in Law (GDL), which is the current conversion qualification enabling non-law graduates to progress to the professional stage of training.

### Welsh language provision

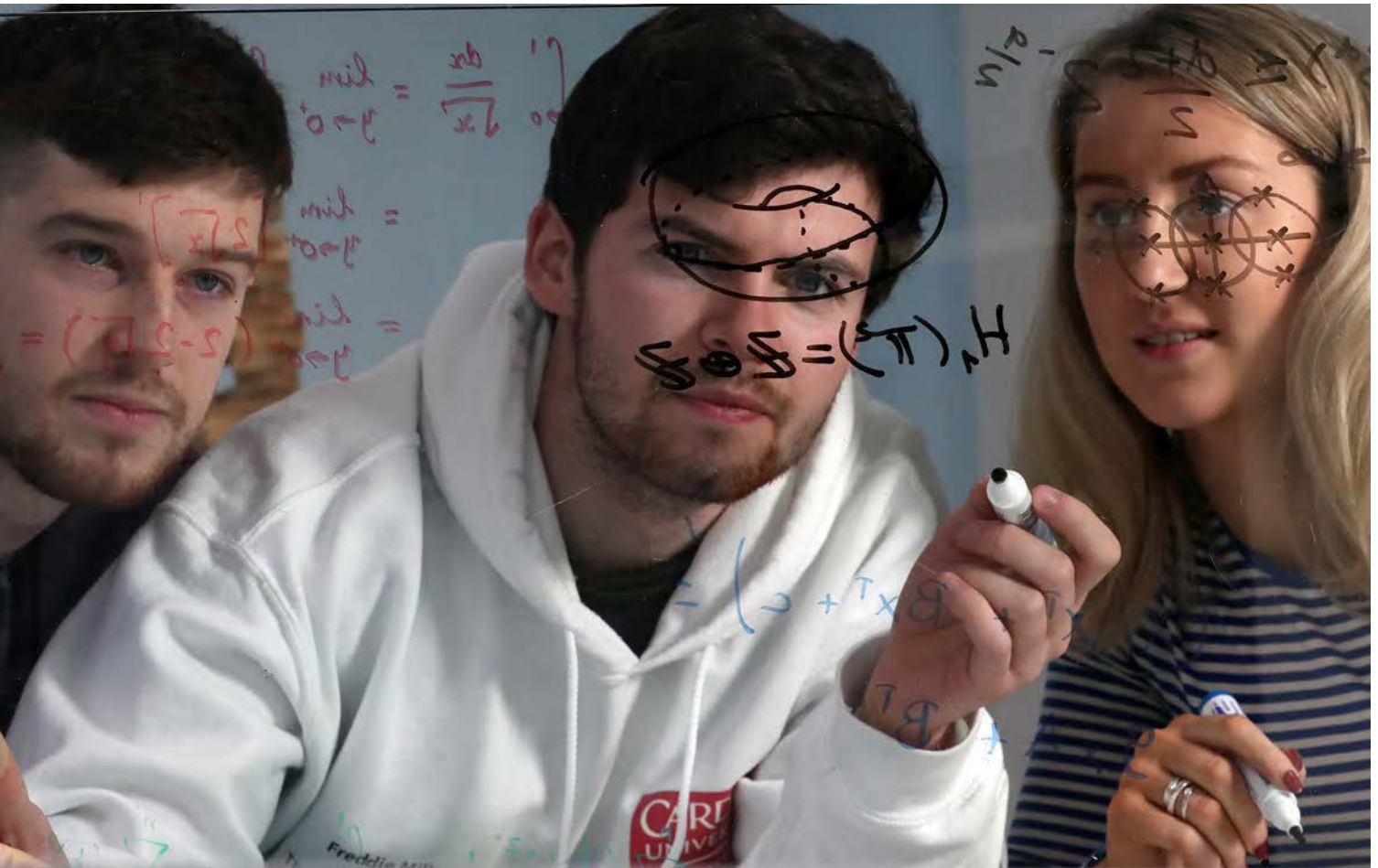
We offer core and optional modules through the medium of Welsh in all LLB programmes. This provides you with the necessary skills and knowledge to work in the legal world in Wales, enhance your legal knowledge and develop communication skills that can be applied to bilingual and multilingual environments.

### Postgraduate research study:

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



# Mathematics



## Why choose **Mathematics** at Cardiff University?

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.



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 sectors.

**100%** of students on both MMath Mathematics and BSc Mathematics, Operational Research and Statistics with a Placement Year were satisfied with their course.\*  
Source: 2019 National Student Survey.

\*See page 40 for details of statistical sources.

## Degree programmes/ UCAS codes

### Single honours

#### Mathematics (MMath)

(Four years) G101  
(Five years) (with a Year Abroad) G104

#### Mathematics (BSc)

(Three years) G100  
(Four years) (with a Placement Year) G105  
(Four years) (with a Year Abroad) G103

#### Mathematics, Operational Research and Statistics (BSc)

(Three years) G991  
(Four years) (with a Placement Year) G990  
(Four years) (with a Year Abroad) GG23

#### Mathematics, Operational Research and Statistics (MMORS)

(Four years) 252D  
(Five years) (with a Placement Year) G901  
(Five years) (with a Year Abroad) 252F

#### Financial Mathematics (BSc)

(Three years) I5R4  
(Four years) (with a Placement Year) I5R6  
(Four years) (with a Year Abroad) I5R5

### Joint honours

#### Mathematics and Music (BA)

(Three years) GW13  
(Four years) (with a Year Abroad) GW31

#### Accreditation

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

## Careers

The School of Mathematics boasts excellent links with industry and enjoys an active and targeted programme of careers events throughout the academic year. We organise regular Placement workshops to help you secure your ideal placement, and "Work@1" lunchtime sessions where we invite big names from industry such as Lloyds Banking Group, Network Rail, Admiral and Welsh Government to give talks and meet with students. Our graduates 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 areas such as finance, business consultancy, education, government, healthcare and defence, while others choose to 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 the latest information.

### A-level

**All single honours programmes:** AAB-ABB including a minimum grade A in Maths.

**BA (joint honours Music):** ABB including a minimum grade A in Maths 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:** 36-34 points or 666-665 in 3 Higher Level subjects, to include 6 in Higher level maths or Higher Level maths Analysis and Approaches. Higher Level maths Applications and Interpretations will be considered on a case-by-case basis but is not accepted as standard for entry.

**BTEC:** DD plus grade A in A-level Maths.

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

### All degrees

**AS-level:** Except for Mathematics, two AS subjects may be considered in lieu of a third A-level.

**GCSE 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

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

Download the 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 +44 (0)29 2087 4811

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



MathsCU



@MathsCU

**The School of Mathematics is moving** into an exciting brand new purpose-built facility in the academic year 2021. Shared with the School of Computer Science and Informatics, the new building has been designed in collaboration with students and lecturers to create interdisciplinary, flexible and creative workspaces, with innovative teaching areas and practices being a key feature. The School will still be located close to the Students' Union, two student residences and a short walk from the city centre.

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 and 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.

### MMath Mathematics

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.

### BSc 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.

### BSc 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**, Mathematics, Operational Research and Statistics (BSc)



### BSc 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.

You will have excellent career opportunities in many areas of finance, including asset management, hedging, trading, analysis and investment banking.

### Joint honours degree programme

#### BA 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 the investigation of a problem in mathematics, statistics or computing.



# Medicine



## Why choose **Medicine** or **Medical Pharmacology** at Cardiff University?

**100%** satisfaction for our Medical Pharmacology students. (NSS 2019)

**100%** of our Medicine and **95%** of our Medical Pharmacology students are in employment and/or further study six months after graduating.\*

**92%** of our Medicine students found their course intellectually stimulating. (NSS 2019)



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)

**99%** of our Medicine graduates found they had opportunities to apply what they had learnt.\*

**Patient contact** from as early as year one of our Medicine degree.

\*See page 40 for details of statistical sources.

## Degree programmes/ UCAS codes

### Medicine MBCh

(Four years)	A101
(Four years)	A102
(Five years)	A100
(Six years)	A104

### Accreditation

These programmes are accredited by the General Medical Council.

## Applications information

**Typical places:** **A100:** 265 UK/EU and up to 25 international places. **A101** and **A102**

Graduate Entry feeder stream Medicine: 40 places. **A104:** 16 places

**Typical applications:** The number of applications per A100 place is normally around 10:1. The ratio varies for other courses.

## Find out more

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

Download the School brochure:

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



CardiffC21



@CardiffMBChC21

Admissions enquiries:

Tel: (029) 2068 8113/8037

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

## Typical Medicine entry requirements

These typical requirements are for guidance. Please check our website for the latest information. Applicants who receive an offer from us will always have had an interview first.

### A100 Five-year programme

**GCSE (and equivalent):** Please check our website for the latest information.

**A-level:** AAA grades. These must include Chemistry and Biology, but cannot include Critical Thinking and General Studies.

Applicants undertaking science 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 Maths or Statistics) must be offered at Higher Level.

**Graduate entry:** Graduate entry (for the A100 programme) will be considered for candidates who are predicted (or have achieved) a 1st or 2:1 (Hons) degree and in addition have achieved a minimum of BBB/ABC at A-level and B in English Language, Mathematics and Science 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 and A102 Four-year Graduate Entry programme

**This is a specific four-year programme for applicants who are currently enrolled on one of our four recognised feeder stream programmes.** Please see page 109 for details of these courses. A small number of high-performing students who graduate from the feeder stream programmes with a 1st or 2:1 (Hons) degree, can apply to enter the second year of the five-year A100 MBCh programme.

**GCSE (and equivalent):** Please see website.

**A-level:** BBB/ABC 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 our admissions policy for full 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.

### A104 Six-year programme

This six-year programme consists of a preliminary year followed by the standard five-year Medicine course. It is designed for applicants without Biology and/or Chemistry A-levels. A/AS-level, GCSE, WBA and IB entry standards are similar to those for the five-year programme.

**GCSE and Level 2 WBA:** Please see our website.

**A-level:** You will need AAA in three subjects at A-level. You can have either Biology or Chemistry, but not both. You can also have neither.

**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

#### University Clinical Aptitude Test (UCAT):

For the A100 and A104 programmes you will be required to sit the UCAT any time between July and October in the same year as application unless you have completed or are committed to a degree.

Find out more about the UCAT at

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

Graduate applicants for A104 must also have taken the UCAT.

We do not have a minimum score for the UCAT, however the score may be used as part of the selection process.

#### Graduate Australian Medical School

**Admissions Test (GAMSAT):** If you are applying to A100, A101 or A102 and have completed, or are committed to, a degree you must sit the GAMSAT instead of UCAT. Your score must be available prior to an offer of interview. Your GAMSAT score will contribute to the decision to shortlist for interview.

Find out more about the GAMSAT by visiting

[www.gamsat.co.uk](http://www.gamsat.co.uk)

**Non-academic requirements:** Applicants are assessed on non-academic criteria using the information in their UCAS Personal Statement and Referee's Report.

We are looking for:

- insight into a career in Medicine
- evidence of experience and reflection in a caring environment
- evidence and reflection of personal responsibility
- evidence of a balanced approach to life
- evidence of self-directed learning.

Applicants who are successful in both academic and non-academic assessment will be invited to attend a multiple mini interview (MMI).

The School of Medicine is one of the largest medical schools in the UK, with an international reputation for teaching and research.

Our MBChB Medicine programme, which we call C21, includes the latest learning and teaching techniques, to meet the health needs of the public. As a Cardiff University student, your learning will be focused on clinical cases, helping you to understand your patients' needs while developing the skills and knowledge a doctor needs.

## Degree programmes

We offer four routes to MBChB:

- **A100** standard five-year undergraduate programme
- **A101** four-year Graduate Entry scheme (via our specified feeder streams only)
- **A102** four-year Graduate Entry scheme (via our specified feeder streams only), with all four years based in North Wales (C21 North Wales)
- **A104** six-year programme (five years + preliminary year for those with non-science A-levels).

Although our programmes have different entry points, they share a common core curriculum, which offers:

- an integrated approach, teaching thought-provoking science in the context of clinical practice

- patients and clinical experience as the central focus of your learning
- early and extensive clinical placements in a variety of healthcare settings across Wales
- 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
- extensive teaching facilities with a broad range of clinical skills and life sciences learning resources
- a final year, which we call our Harmonisation Year, developed specifically to provide a smooth transfer as you become a doctor
- anatomy teaching using a variety of learning methods, including dissection, prosections, and digital imaging.

We offer two innovative opportunities immersed in more rural areas of Wales:

- A Community and Rural Education Route (CARER) which provides the opportunity for a number of students to spend a year of their education delivered in GP practices and hospitals in North and Mid Wales. Students on this scheme are currently based in Aberystwyth and Bangor
- C21 North Wales is our curriculum for A102 students, who will have Bangor University as their base. Their clinical focus is in north Wales and they graduate with a Cardiff University MBChB.

## Five-year MBChB Programme (A100)

This is the standard five-year programme leading to the MBChB degree. It is available to students who have appropriate science A-levels (or equivalent).

## Four-year Graduate entry medicine MBChB programme via feeder stream (A101 and A102)

A limited number of places on this programme are available to students who have successfully completed one of four recognised three-year degree programmes:

- BSc (Hons) Medical Pharmacology Degree from Cardiff University (B210)
- BSc (Hons) Biomedical Sciences Degree from Cardiff University (BC97)
- BMedSci Degree from Bangor University (B100)
- BSc (Hons) Medical Sciences Degree from the University of South Wales (B901).

You will complete a three-week preparatory course then join year two of the A100 programme in Cardiff (A101) or North Wales (A102). (These are 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.

**The School of Medicine 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:

Acute care, anaesthetics, cardiology, clinical academia, dermatology, emergency medicine, general practice, intensive care, medicine, neurology, occupational medicine, obstetrics and gynaecology, ophthalmology, orthopaedics, paediatrics, pathology, psychiatry, public health, surgery, radiology and more - careers in over 60 medical specialties are open to our graduates.

### Employers

The NHS, general practices, Armed Forces, private health sector or voluntary sector, universities in the UK and around the world, with a wide variety of roles across society 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.

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



## Six-year 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 plus a range of optional modules. Following satisfactory completion of the Preliminary Year, you will enter year one of the A100 programme.

### About our programmes

Our MBCh course emphasises learning with patients, for patients. This will be put into context from your first year, when you will spend time in clinical settings with patients. As your skills develop, you will see more patients, with more complex conditions, and become increasingly 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 career as a doctor.

Our C21 course structure is as follows:

#### Years one and two (C21's Phase 1) - Core science and clinical practice

In Phase 1, you learn core science and how to apply it to your clinical practice when treating patients.

#### Platform for clinical sciences

From the start of year one we 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
- There is an emphasis on small group sessions, supported by lectures, laboratory work and sessions in the Anatomy Centre to back these up.

#### Clinical cases

The remainder of years one and two is based on a series of clinical scenarios linking the basic sciences to common clinical conditions.

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

- Small group sessions with facilitators will be supported by interactive lectures, with 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
- Teaching will be based at our purpose-built facilities in the Cochrane Building (located on the site of the University Hospital of Wales, Cardiff) and at the School of Biosciences, as well as rotating through regional Clinical Teaching and Learning centres in Abergavenny, Cardiff, Bridgend, Merthyr Tydfil and Newport.

#### Years three and four (C21's Phase 2)

##### - Learning to care

During these two years you will increase your understanding of the healthcare system and patient 'pathways', with the majority of your time now spent on clinical placements.

- Over these two years, six eight-week placements across Wales will give you numerous clinical learning experiences and valuable exposure to life as a frontline doctor.
- Your year three clinical placements focus on acute care ('Hospital Front Door'), looking after people with chronic conditions such as diabetes, plus an Oncology placement where you will learn about the care and treatment for patients with cancer.
- In your fourth year, you will concentrate on specialist and complex care. There is particular emphasis on the elderly patient and the specific medical needs of children, women and the family plus Clinical Neuroscience, Ophthalmology and Psychological Medicine.
- Working as part of a clinical team, you will learn the essentials of excellent care, becoming proficient at assessment and increasingly competent in the investigation, management and treatment of common disease.
- 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, ethics, and clinical and communication skills.

#### CARER - Community and Rural Education Route

The Community and Rural Education Route (CARER) gives some students the opportunity to spend year three embedded in a rural community in Aberystwyth or Bangor. These students have the opportunity to study the same curriculum as their peers in Cardiff but in a different setting. Their learning is facilitated by a small team of dedicated clinicians, fully supported by Cardiff University and a local clinical educational supervisor. Student feedback on this programme is very positive.

#### Year five 'Harmonisation Year' (Phase 3) - Preparing for practice

Year five, which we call 'Harmonisation,' prepares you to be a confident and competent F1 (Foundation doctor).

- This year, more time is spent on placement than on campus. Your learning and assessment will be predominantly in the workplace, with additional sessions in simulation and small groups to refine your clinical thinking and decision-making
- Core learning on campus covers advanced aspects of professionalism, communication, teamworking, safe prescribing and practical management of acutely unwell patients so that you are ready to work as an F1 doctor. You will be able to practise these advanced skills on placement
- You have three seven-to-eight week clinical placements in community and hospital settings across Wales. These 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 your clinical team. As year five progresses, you will have increasing responsibility for the assessment, investigation and treatment of your patients
- You also have an eight-week elective at a destination of your choice, almost anywhere in the world, to study aspects of Medicine that capture your imagination
- Your Medicine course culminates with the Senior Student Assistantship (SSA), shadowing an F1 and being encouraged to directly manage patients under your supervising team. If you intend to work in Wales, SSA takes place in the hospital where you will undertake your first F1 post; if your F1 post is elsewhere, we will do our best to find you a suitable placement.





Your skills and professional behaviour are developed throughout the curriculum

## 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 in our Medicine programme let you explore areas of particular interest. Choosing your specialty, location and tutor allows you to design a bespoke project tailored to your own 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 specialty and your tutor. Spend some time in a high-tech 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 our Erasmus+ partnerships with medical schools across Europe for up to three months of their course. While the UK's future association with the Erasmus+ programme currently remains unclear, Cardiff

University is committed to working with European partners to ensure that students will be able to undertake a period of study or work abroad as part of their degree.

#### Intercalate

An intercalated degree enables you to focus on an area of Medicine that interests you and earns you a BSc in addition to your MBBCh.

Each year, approximately 100 medical students undertake an intercalating year between years three to four or four to five, gaining a BSc of international academic standard. We offer 14 degrees; you may have the option to transfer to other UK universities in the UK, depending on the degree.

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.

## 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.

## Postgraduate foundation training and beyond

Medical students graduating in 2024 will need to pass the Medical Licensing Assessment (MLA) as part of their medical school degree before they can join the medical register. More information about this can be found at: [www.gmc-uk.org/education/medical-licensing-assessment](http://www.gmc-uk.org/education/medical-licensing-assessment) as well as in our brochure and on our website.

## Degree programmes/ UCAS codes

Medical Pharmacology (BSc) B210

### Typical entry requirements

These typical requirements are for guidance. Please check our website for the 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.

**BTEC:** DD in Applied Science (Medical) plus grade B in A-Level Chemistry.

**Other:** Applications from those offering alternative equivalent/overseas qualifications are welcome.

#### Other requirements

**GCSE (and equivalent):** 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 Cardiff/A102 North Wales):

To be considered for entry into Medicine, you 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/A102 will be expected to complete and pass a 20 credit Clinical Anatomy module. While in-course, they must also meet the criteria for admission to the A101/A102 schemes 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 drugs and their effects on living systems. As such, medical pharmacology is at the heart of modern Medicine. The Department of Pharmacology, Therapeutics and Toxicology teaches from the School of Medicine.

This BSc (Hons) degree course is a modular three-year full-time programme offering an 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, ability to communicate, organisational and problem solving skills and to prepare you to work independently as well as in team situations. The programme produces graduates with a detailed and comprehensive understanding of the biological effects and mechanisms of action of a wide range of substances, in particular those used for the treatment of human diseases.

Appropriately-qualified students may also be eligible to enter our four-year Medicine (A101/A102) programme, directly after completing their Medical Pharmacology degree. Up to 10 places are available each year. (**Please note:** you cannot transfer to Medicine after only one year of the BSc course.)

#### Year one

Studied in common with School of Biosciences students following biomedical degrees. You will acquire 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. With regard to pharmacology, you will be introduced to the scientific principles which define drug bioavailability and activity within the body.

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.

Research and practical modules equip you with hands-on training in advanced laboratory techniques. Students interested in Graduate Entry Medicine follow a unique Clinical Anatomy module that utilises cadaveric dissection to investigate the orientation, 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

Studied 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 Intercollegiate BSc degree in Pharmacology, providing 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: 32

Typical applications: 200

## Find out more

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

Admissions enquiries:

Tel: (029) 2074 2058

+44 (0)29 2074 2058

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

# Modern Languages



## Why choose **Modern Languages** at Cardiff University?

With over 800 students and 60 academic staff, the School offers a **friendly, diverse environment**. Personal tutors ensure support throughout the degree programme.

**95%** 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.



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)

**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, Institut Camões and Institut Ramon Lull.

**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

**French (BA)** (Four years) R100

**German (BA)** (Four years) R200

**Italian (BA)** (Four years) R300

**Modern Chinese (BA)** (Four years) RC12

**Chinese (BA)** (Four years) RC13

**Spanish (BA)** (Four years) R400

**Translation (BA)** (Three years) Q910

**Modern Languages and Translation (BA)** (Four years) 76D3

**Law and French (LLB)** (Four 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.

## We are part of the successful Bili

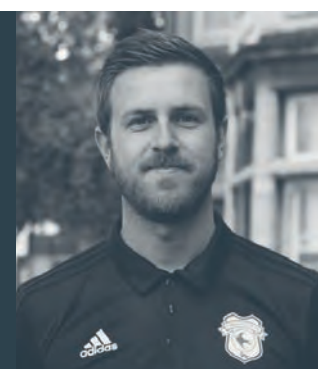
**initiative** which links our students with Senegalese peers for linguistic and cultural exchange through digital media.

## CardiffConnected

"After graduating I went straight into employment at Cardiff City FC as a Player Liaison Officer. I use my language skills every day. This can involve anything from translating team-talks for our first team players to planning trips for our scouts to go and find the next big players. Essentially, I have to look after the players' welfare and ensure they can focus all of their energy on playing football.

If I hadn't studied in Cardiff, I wouldn't have had the opportunity to work in my dream industry. The door was opened because of Cardiff University, so it was instrumental in helping me along my career path."

**Callum**, French and Welsh (BA)



## Typical entry requirements

These typical requirements are for guidance. Please check our website for the 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)

**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.

**BTEC:** Single honours: DDM - DMM in Social Science, Humanities, Arts and Science subjects. Joint honours: see website.

**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

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions enquiries: **Dr Kate Griffiths**

Tel: (029) 2087 4889 +44 (0)29 2087 4889

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



cardiffmlang



@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, international sport liaison roles, business consultancy, education, health, the media, politics, diplomacy, interpreting, translation, law and teaching.

## We are 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. 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 and ever more valuable in today's changing world. Our graduates are therefore ideally placed for a host of exciting and ambitious careers.

### BA 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. We offer two degree programmes allowing you to focus on this vibrant, dynamic language.

The BA Modern Chinese 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 will 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 University, and a BA in Chinese language and culture studies from BNU, at the end of your four years. Employability is embedded in the course. In your third year, you will be offered either a work placement or a month teaching on a BNU scheme. You will write a dissertation in your final year, with support and supervision from both institutions.

Our BA Chinese (single honours) is a four-year programme with one year spent on a year-abroad working, teaching or studying in China. By the end of the programme, 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 work for a Chinese organisation. Modules will be available which cover Chinese history and modern day Chinese culture. They focus strongly on providing you with a greater understanding of modern China, its culture, politics and economics.

### BA French

French is a key business language and a global language of culture and diplomacy. French can be studied at the University 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 contemporary French 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.

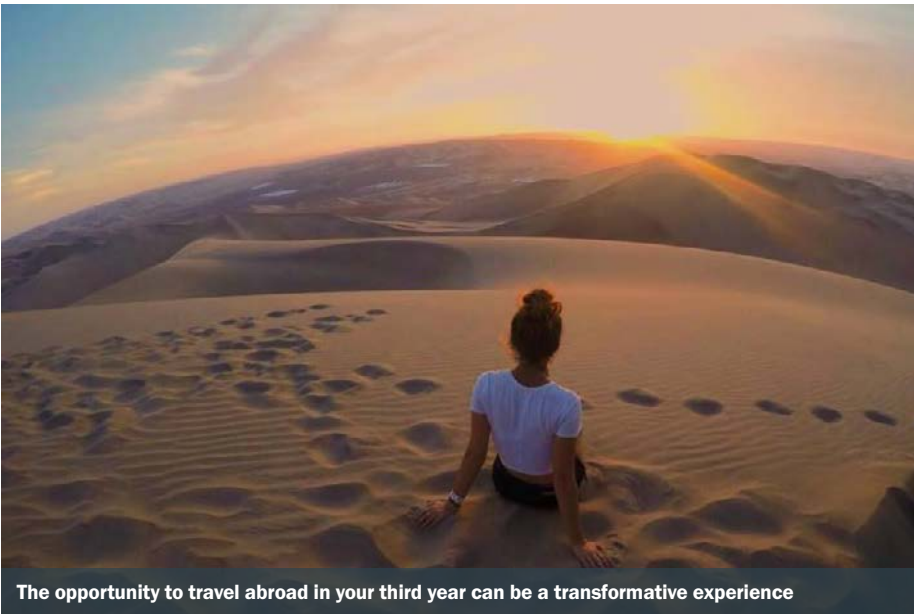
Core language modules are complemented by a range of cultural modules which work to develop an intercultural awareness. Academic staff have expertise in modern and contemporary French culture, politics and economics, modern French and Francophone literature, Francophone Africa, French cinema, television 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.





### BA 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. 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.

**German at the School of Modern Languages** was ranked #1 in Wales in The Times Good University Guide 2020.

### BA 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 years, 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.

### BA 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.

We have 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 and have 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 their 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.

### BA Business Studies and Japanese

Our Business Studies and Japanese degree is designed to provide you with a sound knowledge of business to enable you to become proficient in Japanese and 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 will 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 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.

### BA 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.

### BA 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 is open to you as a result of its beginner and advanced entry points. 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 will 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 our 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.

### BA Translation

#### Translation (three years) Modern Languages and Translation (four 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 (three-year, without a year abroad) and the BA Modern Languages and Translation (four-year, with a year abroad). Both programmes allow you to study translation methodologies alongside one or two languages (should you wish), gaining excellent linguistic skills, as well as essential expertise in translation of your chosen language(s) into English.

These programmes focus significantly on professional translation skills, combining theory and methodology to give you directly transferable professional skills.

During your final year, you may continue to study two languages, but have the opportunity to focus on one language in order to develop further your level of proficiency.

#### Joint honours degree programmes

Joint honours degrees provide you with the opportunity to combine your interests in two different areas. Many of our students choose to combine two of the languages taught within the School itself. We also offer a broad range of combinations including archaeology, English language, English literature, history, international relations, 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.

# Music



## Why choose **Music** at Cardiff University?

**7th**  
in the Times Good University  
Guide 2020 for Music.

**100%**  
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 18 full-time academic  
staff with wide-ranging expertise.



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  
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 subject (BA)

Please see page 146

## Applications information

Typical places: 70

Typical applications: 400

## 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.

## Typical entry requirements

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

### A-level:

**BMus and BA Honours:** AAB-BBB (with an A or a B in Music).

**BA joint honours programmes:** range from AAB to BBB (with an A or B in Music).

Please refer to our web pages for specific programmes.

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: Single honours:** DDM - DMM in the subject of Music. Please also see specific requirements below. **Joint honours:** see website.

**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.

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions tutor: **Dr Nicholas Jones** Tel: (029) 2087 4171 +44 (0)29 2087 4171

Admissions enquiries: **Liz Bradbury** Tel: (029) 2087 4392 +44 (0)29 2087 4392

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

 [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

"I chose the School of Music because of the warm and friendly environment created by the wonderful staff and students which I felt from my first visit on one of the Open Days. Everyone shares a passion for the subject and it is clear from the enthusiasm of the staff that they really enjoy and love the modules they teach. There were so many wonderful opportunities to perform with the ensembles, both within the School and further afield. I enjoyed the diversity of the modules on offer and the freedom to choose to study the areas that most interested me. I felt so lucky to be able to learn about everything from traditional mass to popular music, with everything from world music, opera and jazz in between."

**Ebony**, Music (BMus)



## 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, 25 practice rooms, three ensemble rooms and four electro-acoustic studios. The main recording studio is equipped to industry standard. Our library collection is well supplied with books, scores, recordings and an ever-increasing number of specialist archive collections.

These resources may be supplemented by the extensive holdings of Cardiff's Central Library and the Royal Welsh College of Music and Drama. We also own a number of orchestral instruments, African percussion instruments, a historical keyboard collection, and a collection of reproduction Baroque and early classical instruments, plus a consort of viols, all of which are available for you to use.

## Admissions procedure

Applicants for the single honours Music programmes are asked to attend a short audition/interview and participate in a workshop. This takes place between November and March.

## 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 offers the most in-depth study, allowing you to spend all your time specialising in music. You will study core modules – which offer a rigorous, broad-based education in music – along with additional optional modules. Our BA single honours Music programme is flexible and challenging, allowing you to tailor the programme to your own musical interests and to study a small number of modules from other Schools. 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 of 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, the USA, Australia and Canada. In previous years, our students have chosen to study with partner institutions in the USA, Germany, Poland, France, Italy, Finland, Slovenia, Canada and Australia.

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 a week 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 and further afield. We also have a Chamber Choir, Chamber Orchestra, Contemporary Music Group, Jazz Ensemble, Symphonic Winds, Piano Ensemble, 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 Business of Music modules 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

Professionally  
accredited



## Why choose **Optometry** at Cardiff University?

Consistently ranked  
in the **top three**  
for optometry.

Source: The Complete University Guide.

**100%**

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

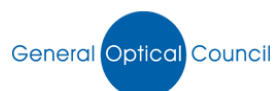
**£22m**

purpose-built optometry facility  
with on-site eye clinic.

**96%**

overall student satisfaction.\*

**Accredited** by the GOC.



**100%**

of our submitted research rated  
at 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)

(Three years)

B510

(Four years)

B511

#### Accreditation

Our degree programmes have recently received a five-year accreditation by the General Optical Council.

## Applications information

Typical places: 90

Typical applications: 650

## 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.

## Typical entry requirements

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

### A-level:

**Three-year programme:** AAA-ABB including two science subjects from Biology, Chemistry, Maths, or Physics. Extended Project Qualification: Applicants with grade A in the EPQ will typically receive an offer one grade lower than the standard A-level offer.

**Four-year programme:** ABB-BBB to include a maximum of one science subject (Biology, Chemistry, Maths, or Physics). Extended Project Qualification: Applicants with grade A in the EPQ will typically receive an offer one grade lower than the standard A-level offer.

**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: Three-year programme:** 34-32 or 665 in 3 Higher Level subjects. Higher Level subjects must include two science subjects from Biology, Chemistry, Maths or Physics (minimum grade 5 at HL).

**Four-year programme:** 32-31 points including one Higher Level subject at grade 6 or 665 in 3 Higher Level subjects. For applicants without a science subject or with one science subject (Biology, Chemistry, Maths, or Physics).

**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/)

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions enquiries: Dr Jennifer Acton / Judith Colwill

Tel: (029) 2087 4374 +44 (0)29 2087 4374

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



SchoolOfOptometryAndVisionSciences



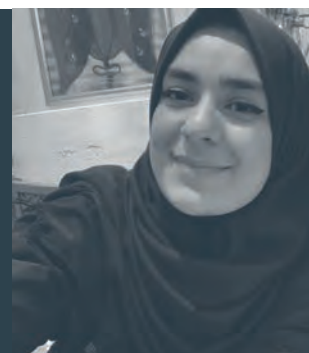
@SchoolOfOptom

**The School is housed in a custom-designed optometry facility**, which is home to all teaching, research and outreach activities. You will benefit from outstanding facilities, which include clinics, laboratories and learning spaces.

## CardiffConnected

"Studying optometry at Cardiff has been an amazing opportunity to meet, study and gain lifelong friends from around the UK and from abroad. I feel honoured to be part of one of the UK's Russell Group universities and the teaching and support offered from the staff is exceptional. Another aspect of studying optometry at Cardiff that has benefited me is the student clinics which are openly available for students to practise throughout the year. This is great for practical exam time as we students can practise as much as we want to better ourselves before any exam. These have enabled me to perfect my optometry techniques and routines which I believe will make me a better optometrist in the future!"

Kinza, Optometry (BSc)



**This course will provide you with the scientific and clinical knowledge to progress along the pathway to become a registered optometrist.**

We offer both three and four-year degree programmes which lead to gaining a BSc (Hons) in Optometry.

## Optometry

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

Optometrists are also able to detect diseases that affect the eye and visual system meaning a high level of knowledge of vision sciences and the pathology of the eye is required.

The course aims to 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 familiar with 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)

This course will provide you with the scientific knowledge and clinical skills to progress to the next stage of your career, as a pre-registration optometrist, in which you will enter your final training toward becoming a registered optometrist.

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.

Cells to Systems, Visual Optics, Ocular Anatomy, Ophthalmic Lens Dispensing, and Clinical Techniques are some of the modules that you will study to develop your knowledge of the scientific principles that underpin the subject.

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, Colour Vision and Perception.

The clinical practice you gain will help you to develop your professional optometric skills and this will be consolidated through clinical placements in community optometry. During this year, you will, under close supervision, be introduced to your first elderly 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 our on-site clinics. These clinics provide professional services to the general public in all aspects of optometry, including primary care, contact lenses, low vision, paediatric and special assessment, binocular vision and dispensing. In addition to our on-site clinical placements, external placements in hospital clinics will support your clinical learning and enhance the theoretical knowledge gained in ocular disease.

You will also complete modules in Occupational Optometry, Law and Business, Investigative Optometry 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, Our 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 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. Our graduates consistently achieve the highest pass rate 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 to enable optometrists to specialise in areas such as glaucoma, paediatric optometry, low vision and acute eye care. These modules can be undertaken through distance learning or full time study.

# Pharmacy

Professionally  
accredited



## Why choose **Pharmacy** at Cardiff University?

**We are a close-knit and long-established school** with 100 years of excellence in teaching and research.



We have a range of teaching activities designed to support Welsh Language students and learners.

To find out more visit:

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

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

We rank **Joint First School of Pharmacy** in the UK.

Source: Research Excellence Framework.

**82%** of our students who sat the General Pharmaceutical Council's pre-registration exam in 2019 passed first time, higher than the overall national average of 72%.

We're ranked as the **top school of pharmacy** in England and Wales according to The Complete University Guide 2020.

## 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

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

Admissions tutor: **Dr Allan Cosslett**

Tel: (029) 2087 4080

+44 (0)29 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 the latest information.

**A-level:** AAB-ABB including Chemistry or Biology followed by Chemistry/Biology, Physics or Maths, then any other third 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:** 34 points including scores of 6 in Chemistry, and Biology, Maths or Physics at Higher Level.

**BTEC:** DD in Pharmaceutical or Applied Science and grade B in A-level Chemistry OR Biology.

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

### Other requirements

All applicants to the course must be 18 at the point of entry due to the nature of NHS and other placement activities starting in the first weeks of the teaching programme.

**GCSE:** Double Science or Biology, Maths and English Language.

**Fitness to Practise:** 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 required to undertake an Occupational Health assessment. Students will also be expected to follow the All Wales NHS Dress Code during NHS placements.

Further information can be found at:

[www.pharmacyregulation.org](http://www.pharmacyregulation.org)

[www.gov.uk/government/organisations/disclosure-and-barring-service](http://www.gov.uk/government/organisations/disclosure-and-barring-service)

<https://gov.wales/nhs-dress-code>

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

The career options for pharmacists are varied and plentiful, ranging from hospital, primary care or community settings - including being based within GP surgeries - to industry or research in the UK and internationally, making this an exciting degree to embark upon.

Pharmacists are experts in the field of drugs and medicines.

They consult with patients effectively, some prescribe medicines independently of a doctor and many are on the frontline of healthcare provision.

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 supported 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 are proud to train the pharmacists of the future. It's our mission to equip our students with the knowledge, skills and experience they need to succeed in their chosen career.

Undergraduates study for a Master of Pharmacy degree, accredited by the General Pharmaceutical Council.

## Introduction

Today's pharmacists are not only experts in drug discovery and delivery, they play a direct role in improving patients' health and wellbeing. Many now also prescribe medicines independently of a doctor.

As the role of a pharmacist is advancing to include more patient-facing opportunities, our MPharm programme reflects these exciting developments.

On this four-year internationally respected programme, you'll learn about the discovery and development of new drugs and explore their chemical, physicochemical, pharmacological and toxicological properties. You'll also study the clinical uses of medicines and the role of the pharmacist in improving patient outcomes as part of interprofessional healthcare teams.

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. You'll be taught by our team of world-leading academic staff and pharmacist practitioners who have an extensive range of expertise.

Undertaking the MPharm at Cardiff University means studying at one of the top schools of pharmacy in the UK and, as a close-knit school, we'll help you to enjoy an academically rich and fulfilling experience throughout your time here.

## Degree

It will take you four years of full-time study to gain a MPharm degree. The programme is modular and credit-based. 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 with practice placements in all four years of the course
- to produce graduates who are well prepared 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 the basis of the required qualifications, academic reference and personal statement, are invited to visit the School. During the visit, applicants are encouraged, by interview, to demonstrate relevant non-academic commitments and skills, including a basic understanding of clinical pharmacy. This is also an excellent opportunity to ask staff and current 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 an integral element of the programme, where you'll gain invaluable experience on the front line of healthcare provision in a range of settings including hospital, a GP practice, and community pharmacies and other social care settings. Formal lectures and laboratory-based classes are supplemented by e-learning 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 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, in Clinical Research, Clinical Pharmacy and Pharmacist Independent Prescribing. Opportunities also exist for students to work towards MPhil/PhD research degrees.

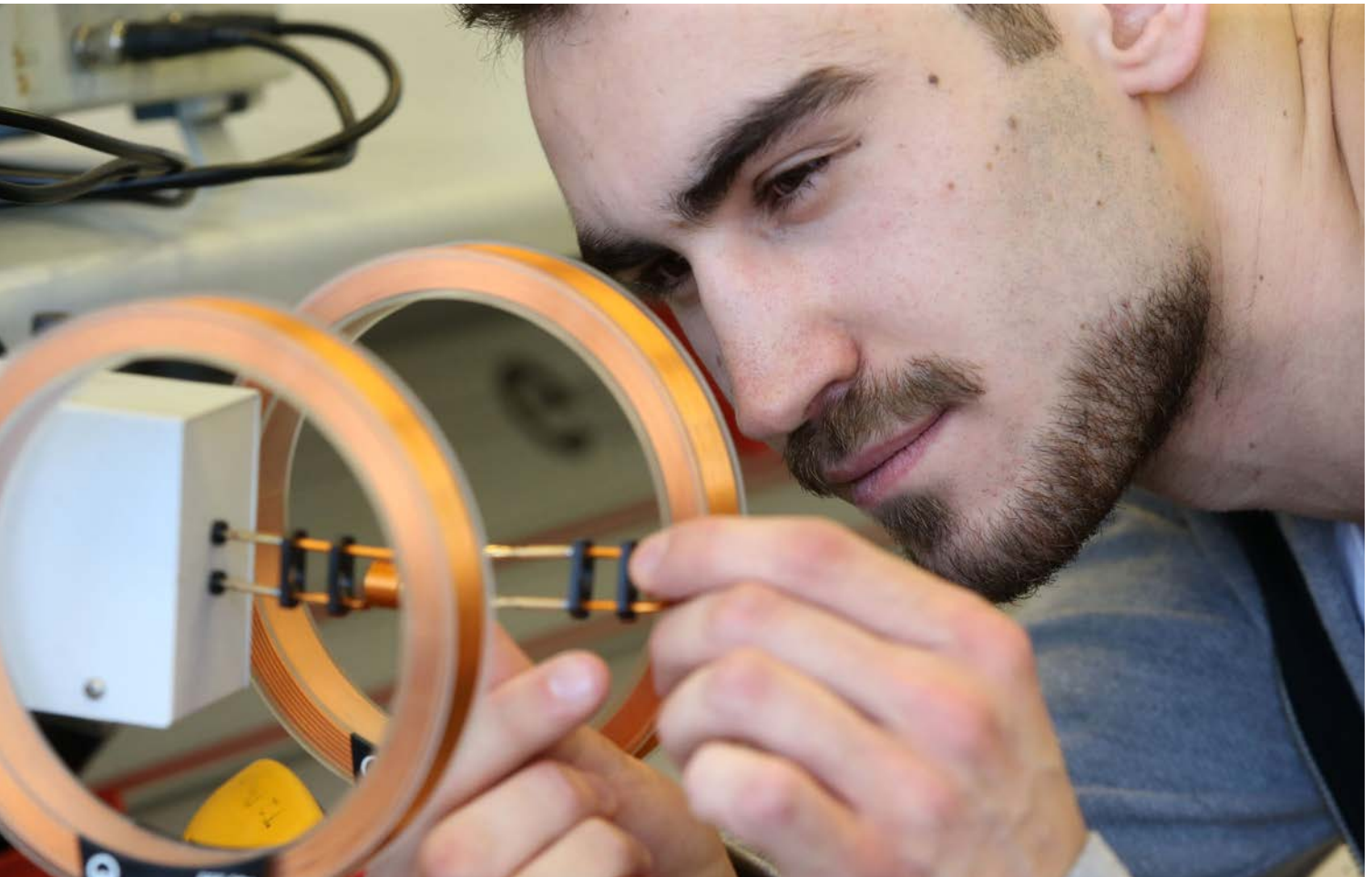
We also offer a full-time MSc in Cancer Biology and Therapeutics which is open to graduates with a first degree in the biological sciences or a healthcare discipline.

## Use of living organisms in undergraduate teaching

Please see page 151.



# Physics and Astronomy



## Why choose **Physics and Astronomy** at Cardiff University?

Our Institute of Physics accredited degree programmes include specialised topics which reflect our research interests.

**93%** 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.

**93%** 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)** (Three years) F511

**Astrophysics (MPhys)** (Four years) F510

**Physics (BSc)** (Three years) F300

**Physics (MPhys)** (Four years) F303

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

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

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

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

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

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

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

### Accreditation

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

## Applications information

Typical places: 120

Typical applications: 600

## Typical entry requirements

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

**A-level:** All courses AAA-ABB which must include Maths at grade B and 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:** 32-36 points, with 665 at Higher Level and 6 in Higher Level Physics and Maths.

**BTEC:** DD-DM in Science/Engineering related BTEC plus grade A in Maths A-Level. Alternatively, D in any BTEC plus grades BB in A-level Maths and Physics.

**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. Applicants not studying A-level Physics, but with high scores in Maths, will be considered on an individual basis. Students without Maths A-level can progress through the Physics with a Foundation Year.

### 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.

## Find out more

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

Download the 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

+44 (0)29 2087 0537/6457

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



**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

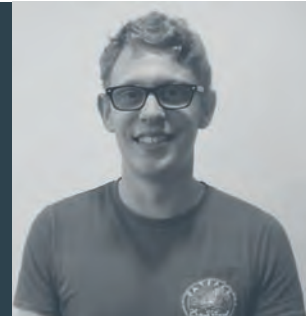
UK and international universities, plus organisations such as Rolls Royce, Bank of England and EDF Energy.

**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

"The School of Physics and Astronomy is a really interesting department with loads going on, for example, there is a big Compound Semiconductor Research Centre here. Cardiff is a great city. The town centre is close to the department and it has nice parks which are all easily accessible. One of the best things about studying here is the people. The academic staff are really nice and helpful and I have made good friends. When I graduate I am going to work in software development."

**Daniel**, Physics (MPhys)





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.

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-directed learning.

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.

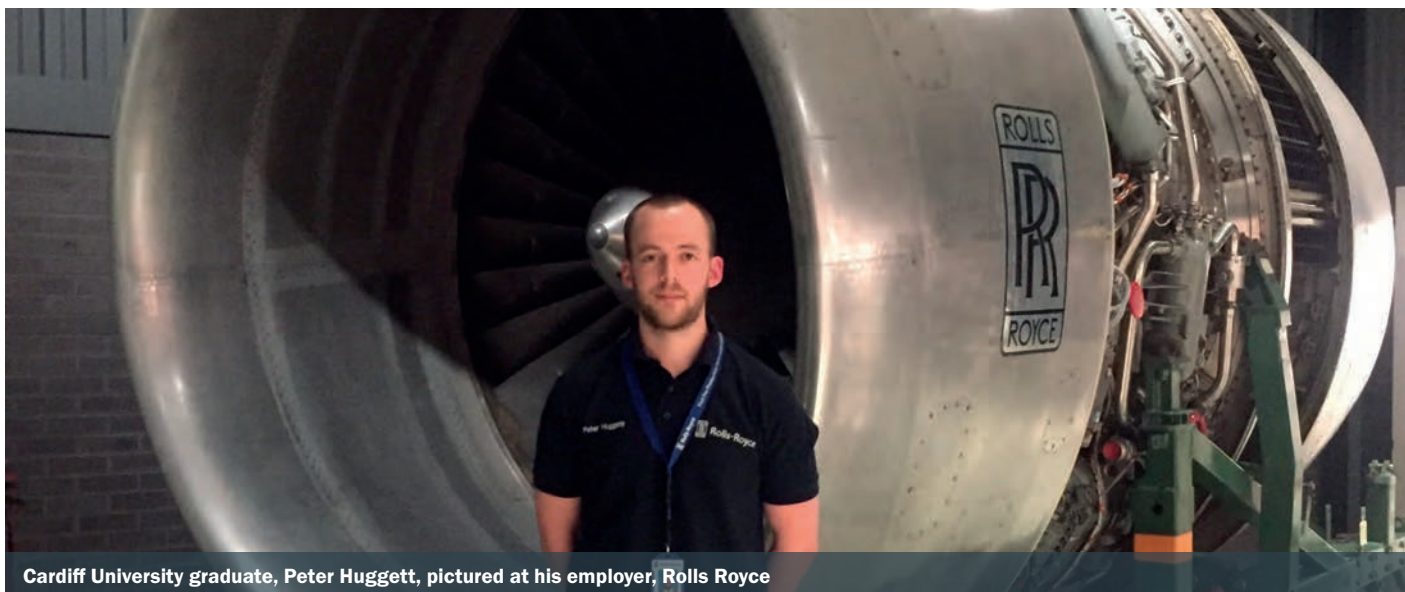
### The first year

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.



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

### MPHys/BSc Physics

Physics is a mainstream, traditional academic programme, which provides the broadest foundation in physics and leads naturally to a wide range of careers. All major areas of physics are covered.

Practical training forms an important component of this degree programme.

You work with up-to-date apparatus employing lasers, x-ray sources, cryogenic equipment, modern electronics and computer software.

Project-type experiments are introduced at the end of the second year, in preparation for the final year project, which involves working approximately two days per week in research laboratories or alongside research teams.

You may choose projects of a practical or theoretical nature from all aspects of our activities, and you may also design your own project.

### MPHys/BSc 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.

### MPHys/BSc 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.

### MPHys/BSc 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 can be undertaken at the Cardiff Brain Imaging Centre or 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.

### MPHys

We offer MPHys degrees in Physics, Astrophysics and Physics with Astronomy. These undergraduate programmes are of four years' duration (or five years with an industrial or other work 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

Some of our courses allow you to take a free-standing module in the first or second year. 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

Professional placement



## Why choose **Politics and International Relations** at Cardiff University?

Politics and international relations is an **exciting** and **varied** subject which addresses a range of questions that are **critical** to our contemporary world.

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

We have **links** with Welsh Government, Westminster, G7, the United Nations 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)

Our **internationally renowned** team offer expertise in political theory, public policy and electoral politics, cyber security, feminism, cold war history, environmental politics, security, intelligence studies and postcolonial politics.

**95%** of our submitted research rated at 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

### Integrated honours

**Law and Politics (LLB)** ML12

### Joint honours

**Politics and Economics (BScEcon)** LL12

**Politics and Philosophy (BA)** LV25

**Politics and Modern History  
(BScEcon)** LV21

**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.

## Typical entry requirements

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

### A-level:

**Politics:** ABB-BBB

**International Relations:** ABB-BBB

**International Relations and Politics:** ABB-BBB

**International Relations and Politics (with a language):** ABB-BBB

**Politics and Philosophy:** ABB-BBB

**Politics and Modern History:** ABB-BBB

**Politics and Economics:** ABB-BBB plus GCSE Maths at grade B/grade 6 and GCSE English Language at grade C/grade 4 if not offered at AS or 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:** 34 points or 665 in Higher Level subjects.

**BTEC:** Single honours: DDM-DMM. Joint honours: see website.

### 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: 280    Typical applications: 1,000

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Tel: (029) 2087 6102    +44 (0)29 2087 6102

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



cardiffpolitics



CardiffPolitics

**If you choose to study International Relations or Politics**, you may have the opportunity to carry out a work placement at an organisation that plays a key role in Welsh governance.

## CardiffConnected

“For anyone looking to explore the foundations and possible future of political organisation, Cardiff’s School of Law and Politics is a fantastic and exciting hub that offers first-rate support for undergraduates. I’m in my second year of study for International Relations and Politics with French. It’s been an incredible time so far: being able to engage with like-minded, forward-thinking peers and professors is a real pleasure.”

**Geneva**, International Relations and Politics (with a language) (BScEcon)



**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.

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 and critical military studies. Studying politics at Cardiff provides the essential skills for an exciting career in fields such as journalism, government, management, teaching, consulting, law, policy analysis 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 years 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.

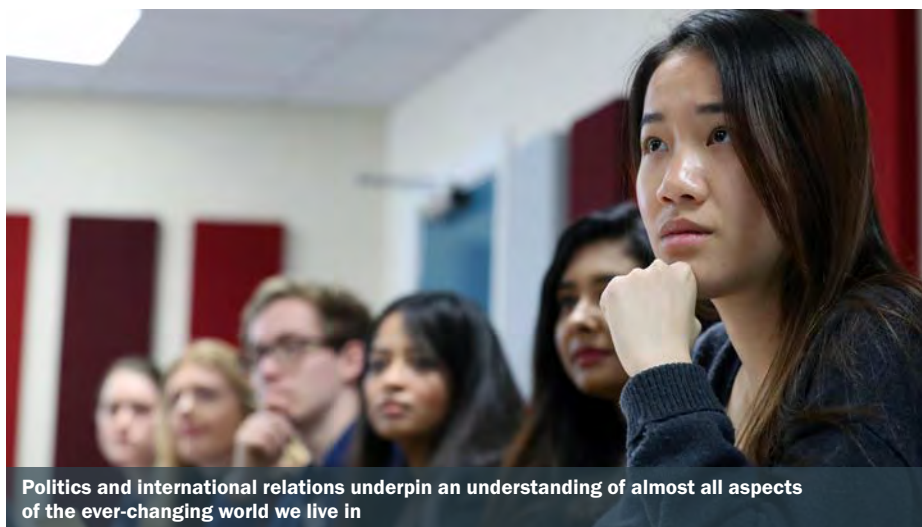
The LLB Law and Politics is an integrated programme which allows you to gain a solid foundation in both politics and law.

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 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 on a topic of your choice within the field, which is a fantastic opportunity for independent research and specialisation.



**Politics and international relations underpin an understanding of almost all aspects of the ever-changing world we live in**

# Psychology



## Why choose **Psychology** at Cardiff University?

**Ranked 4th** in the UK and **44th** in the world.

Source: Times Higher Education World University Rankings

Gain **professional experience** as part of your degree.

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



**Opportunity to study** in Florida or Hong Kong for a semester.

**93%** overall student satisfaction in the National Student Survey (NSS) 2019.

**Ranked 2nd** in the latest Research Excellence framework (REF) - the system for assessing the quality of research in the UK.



## Degree programmes/ UCAS codes

### Single honours

#### Psychology (BSc)

(Three years)

C800

#### Psychology with Professional Placement (BSc)

(Four years)

C810

## Typical entry requirements

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

**A-level:** AAA

**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 three Higher Level subjects.

**BTEC:** DDD in Applied Science or Forensic Science. Other BTECs will be considered in combination with suitable A-levels such as English, History, Geography, Sociology, etc.

**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 4.
- English Language or Welsh (as applicable) at grade C or grade 4.

See page 153 for information about GCSE equivalencies.



## Applications information

Typical places: 210 (190 home and 20 overseas)

Typical applications: 1,200

## Find out more

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

Download the 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 9999 +44 (0)29 2087 9999

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



PsychCardiff



PsychCardiffUni

**Along with our outstanding research facilities, we also have dedicated undergraduate facilities** to ensure you have the best experience possible. As an undergraduate, you'll be able to enjoy a newly refurbished lecture theatre; an undergraduate common room with modern and varied study space; undergraduate research rooms adapted for multi-participant studies; interactive seminar rooms complete with smart displays; and an upgraded computing lab with over 120 PCs.

## Careers

A psychology degree is favoured by many potential employers because it reflects a university education that develops both literacy and numeracy skills. Psychologists are also employed on an increasingly wide scale in the educational, social and health services, for which postgraduate training is essential. This is why many of our graduates go on to continue their studies and also

why it is important that both of our School's programmes are recognised by the British Psychological Society.

### Job roles

Clinical psychologist, forensic psychologist, health psychologist, occupational psychologist, sports, neuro or educational psychologist, counsellor, researcher or academic.

### 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.

Psychology is the systematic and scientific study of mind and behaviour. Psychologists study how we think, feel and act, both individually and as part of a social group. Psychology has a wide range of applications in the health and social services, in industry and commerce, and in education.

Our School is long established, well resourced, and has an excellent international reputation. As a psychology student at Cardiff University, you will study the subject 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. Both programmes follow the same academic curriculum, but the four-year programme involves a year between your second and final year where you embark upon your professional placement.

Small tutorial groups, lectures and regular practical sessions, such as interviewing, survey work, psychometric testing and experimental skills form the basis of learning on the programme. We also host 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 widely available in a variety of settings, including schools, industry and 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 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 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)

This programme involves a placement year between your second and final year where you can discover how psychology is applied 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 can provide you with invaluable experience and can make 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 offer the opportunity to spend one semester at the University of Florida or the University of Hong Kong as part of your degree. In the first semester of your second year, you will be able to take courses in Florida or Hong Kong that match the content offered in Cardiff. There are no additional fees to pay, and the exchange is supported by a bursary to cover your flight costs. The exchange is also possible for students taking BSc Psychology or BSc Psychology with Professional Placement.

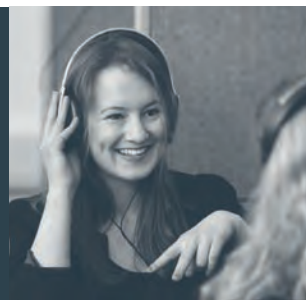
## Postgraduate study

Many of our students go on to postgraduate study after they have completed their BSc. We offer a range of postgraduate taught and research opportunities that are designed to prepare you for a variety of future careers. Some of the programmes we offer include MSc Neuroimaging: Methods and Applications, MSc in Children's Psychological Disorders and an MSc in Psychology.

## CardiffConnected

"Studying psychology at Cardiff has benefited me greatly, even in social situations because everything we learn is interesting and applicable. Moreover, when lectures are filled with fascinating content and taught with enthusiasm by incredibly knowledgeable lecturers, it is hard not to be inspired!"

Ocean, Psychology with Professional Placement (BSc)



# Social Sciences



## Why choose **Social Sciences** at Cardiff University?

Many of our programmes can be extended to four years with a third year spent on a **professional placement** or **studying abroad**.

**94%** 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.



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)

Our students benefit from our **strong links** with local government, policy-makers, the police and other third-sector organisations.

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 or studying abroad.

## 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 the latest information.

**A-level:** AAB-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.

**GCSE:** English language at grade C or grade 4.

See page 153 for information about GCSE equivalencies.

**IB:** 32-35 points (17-18 points in 3HL subjects).

**BTEC:** DDD-DDM. No specific subject requirements. Degrees taught with other academic schools: see website.

**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: 1,500

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

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

Tel: (029) 2087 4208    +44 (0)29 2087 4208

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



cardiffsocsi



@CUSocSci

**Our home, the Grade I 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

"My course enabled me to delve into, experiment, and take advantage of a range of disciplinary areas across the whole spectrum of the social sciences, from sociology, psychology, criminology, education and statistics. I learnt so much about the world and how people, institutions and societies behave and function. The lecturers, researchers and staff at the School were always kind and generous, particularly my supervisors who would go out of their way to help me in all my endeavours. I spent a year studying abroad at the University of British Columbia in Vancouver, Canada. It was the best decision I made as not only did I make new friends from all over the world, I had the opportunity to expand my breadth of knowledge and skills even further."

**Megan**, Social Science (BSc)



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 University

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.

## Opportunities

On many of our programmes you will have the opportunity to study a work placement module and/or extend your study to four years, spending year three on a professional placement. We also offer four-year programmes with the third year spent studying abroad.

### BSc 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 will have the opportunity to study a work placement module and/or extend your study to four years, with year three spent studying abroad or on a professional placement.

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.

### BSc 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.

You may have the opportunity to study a work placement module and/or extend your study to four years, with year three spent studying abroad or on a professional placement.

### BSc 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.

You may have the opportunity to study a work placement module and/or extend your study to four years, with year three spent studying abroad or on a professional placement.

### BSc 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) 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 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.

You will have the opportunity to study a work placement module and/or extend your study to four years, with year three spent studying abroad or on a professional placement.

### BSc 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.

You may have the opportunity to study a work placement module and/or extend your study to four years, with year three spent studying abroad or on a professional placement.

### BSc 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.

This 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 are 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 has a compulsory placement module in year two and can be extended to four years with year three spent studying abroad or on a professional placement.

### BSc 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 will 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.



Glamorgan Building, home to the School of Social Sciences

**Please note:** This subject is only available on joint honours programmes and must be studied alongside another discipline. All Social Policy joint honours programmes can be extended to four years with year three spent studying abroad or on 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.

Our teaching staff include 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.

### Enhancing your degree

Opportunities to study, work or volunteer abroad are available as summer placements. Most programmes also offer the opportunity to transfer onto a four-year programme, spending your third year on a professional placement or studying abroad. Popular destinations for study abroad include North America, Europe, Hong Kong, Singapore, and New Zealand.

### 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 offer holder 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 master's 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.



## Why choose **Welsh** at Cardiff University?

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

**91%** of our graduates were 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 their second year.



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)

**100%** for overall student satisfaction.\*

**84%** of our submitted research was rated at 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

## Typical entry requirements

These typical requirements are for guidance. Please check our website for the 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.

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.

**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.

**BTEC:** Single honours: DM in Humanities or Social Science and grade B in A-level Welsh First or Second Language. Joint honours: See website.

**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 other 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.

Please see page 153 for information about GCSE equivalencies.

## 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.

## Applications information

Typical places: 30    Typical applications: 100

## Find out more

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

Download the School brochure: [www.cardiff.ac.uk/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

Admissions tutor: **Dr Iwan Wyn Rees**

Tel: (029) 2087 4710 +44 (0)29 2087 4710

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



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

## CardiffConnected

"Dewisais wneud gradd mewn Cymraeg am fy mod yn angerddol am yr iaith ac eisiau dysgu rhagor am fy hunaniaeth er mwyn gosod sylfaen ar gyfer deall gweddill y byd yn well. Mae Ysgol y Gymraeg yn gymuned glòs a chyfeillgar, o'r staff academiaidd i staff y swyddfa. Mi fuaswn i'n argymhell i unrhyw un i fod yn rhan o'r Panel Myfyrywr-Staff er mwyn cael dweud eich dweud am y radd. Hefyd, mae'n werth ymuno gyda Chymdeithas lolo sy'n agored i unrhywun sydd â diddordeb mewn celf, theatr, ffilm, neu lenyddiaeth Gymraeg. Uchafbwynt personol oedd bod yn ddigon ffodus i deithio a dysgu gyda help llaw yr ysgol. Ar drothwy fy mhenblwydd yn 21 oed, treuliais fis ym Mhatagonia yn gwneud profiad gwaith gyda ysgoloriaeth Santander. Cawsom y croeso mwya' bendigedig gan y gymuned Gymreig yn y Wladfa, ac mae'r ystrydeb yn wir - mae hi'n anhygoel clywed y Gymraeg ar ochr arall y byd. Ond mae hefyd yn anhygoel bod mewn clwb nos lle mae cerddoriaeth Latino yn gyfeiliant i ddawnsio tango sy'n ail natur i'r Archentwyr. Mae'n anhygoel profi Asado ar fferm a marchogaeth ceffyl gyda'r Andes yn gefnlen. Mae'n anhygoel gweld sut y mae diwyllianau'n cyd-blethu mewn gofod anial."

**Esyllt**, Welsh and Philosophy (BA)





## We are committed to the development of language, society and identity in contemporary Wales through teaching and research of the highest standard.

Combining the study of language and literature, we offer unique modules relevant to Welsh in today's Wales. Whatever the subject area, whether children's literature or language planning, you will study in an innovative and progressive way. Our diverse selection of modules includes translation studies, heritage and tourism, sociolinguistics, language acquisition, poetry and prose, dialectology, and creative writing.

Preparing you for life outside of the University is also an important element of our work. We offer a number of modules related specifically to Welsh in the community and the workplace. There are also multiple opportunities to participate in work experience with a range of institutions. These experiences will help you understand the role you can play in the future development of Wales - economically, socially and culturally. You'll leave fully equipped with the skills, knowledge, tools and ambition to make your mark in your chosen field.

### Future-focused

Our modules will provide you with a range of transferable skills suited to a number of different careers. They'll help prepare you to work creatively, confidently and professionally through the medium of Welsh.

Recognising the importance of practical experience, we also guarantee a period of work experience for every student through our core module – Yr Iaith ar Waith. This provides you with an opportunity to put your skills to the test in a professional setting. It also offers you the opportunity to begin building your professional network and make valuable connections with workplaces and employers throughout Wales. Previously, our students have undertaken placements with the BBC, S4C, Welsh Government, National Assembly for Wales, National Museum Wales, Boom Cymru, the Urdd, Mentrau Iaith and a range of organisations in the fields of translation, law and media/production.

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

### Our approach

Our single honours programmes are open to first and second language students who would follow separate pathways (studying different modules) in year one before coming together in year two.

#### Year one

As a first-language single honours student, you'll usually study six 20-credit modules that concentrate on the language itself, writing skills, literature of different periods, and Wales and its culture.

Second-language single honours students usually 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.

#### Year two

You're 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 can specialise in literary studies, medieval or modern, or in linguistic studies, or you may take a combination of modules reflecting your own particular academic interests and career ambitions.

### Joint honours

We offer a wide selection of joint honours programmes with other arts and humanities subjects.

If you wish to combine the study of Welsh with another subject, you would usually study three 20 credit modules (first-language) or four 20 credit modules (second-language) in year one.

In year two and the final year, you select an equal number of options from the Welsh degree programme and from the other subject that you elect to study.

#### Law and Welsh

This programme aims to produce graduates qualified to employ their legal knowledge through the medium of Welsh as well as English. The degree meets the requirements of the professional bodies in relation to proceeding to qualification as a solicitor or a barrister, while also allowing you to pursue interests of a linguistic or literary nature. In order to study this programme, you will normally be expected to have studied Welsh as a first language to A-level standard. (See also the School of Law and Politics entry on page 99).

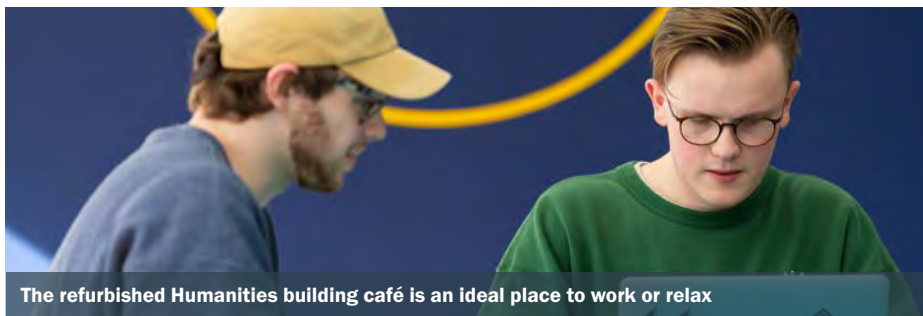
#### Business Management with Welsh

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 Welsh language and 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 programme 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.



The refurbished Humanities building café is an ideal place to work or relax

# 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
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 and Medieval History BA
- Ancient History BA
- Archaeology and Ancient History BA (integrated)
- Archaeology and Medieval History BA (integrated)
- Archaeology BA (Route 1)
- English Language BA
- English Language and Linguistics BA
- English Literature BA
- English Literature and Creative Writing BA
- History BA
- Philosophy BA
- Theology BTh (Route 1)
- Translation BA
- Welsh BA
- Welsh and the Professional Workplace 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/part-time-courses-for-adults](http://www.cardiff.ac.uk/part-time-courses-for-adults)**



Students study a range of degree programme related modules, along with English language and study skills modules



Students from more than 120 countries are represented on campus

# English language programmes

The English language programmes teaching centre offers a variety of courses ranging from eight weeks, to nine months, which cater for most language levels and abilities.

Students come from all over the world to improve their English before starting university study.

## English for University Study

The English for University Study programme is a full-time English language and study skills course in academic English. It will provide you with the academic study skills that you need to study effectively in a UK environment, covering language, study and professional skills and British academic culture.

The English for University Study programme is a good choice if you plan to continue your higher education studies at foundation, undergraduate or postgraduate level. You will need to take a test to demonstrate your English is of an appropriate level.

The programme provides you with the skills and language needed for a smooth transition into academic study. The aim is to develop confident and successful students who are equipped for university study in the UK.

Our academic schools will accept the English for University Study Exit Test scores instead of a valid IELTS. Exit tests can be taken at the end of each term.

The English for University Study Programme has three entry points: in September, January and April/May.

Intake	Minimum entry requirement
September	IELTS 4.0
January	IELTS 4.5
April/May	IELTS 5.0

Included in the course:

- 20 tuition hours per week (plus self-study and assignments)
- one-to-one tutorial guidance and support
- formal transcript showing assessments completed and indicating your level of language proficiency at completion of the course.



## Pre-sessional programmes

The English for University Study programme is a full-time English language and study skills course in academic English. It will provide you with the academic study skills that you need to study effectively in a UK environment, covering language, study and professional skills and British academic culture.

Course options		
Current IELTS	Required IELTS	Required course length
5.0	6.5	20 weeks*
5.5	6.5	12 weeks*
6.0	6.5	8 weeks
6.5	7.0	10 weeks

\* participating Schools only

## In-sessional English language support

Many international students feel they need further help with English language after starting their course. If you would like to have some additional English language support, the in-sessional team can help you.

These classes can strengthen your academic writing, reading, listening, speaking and pronunciation, as well as generally improve your language skills and confidence.

In addition to classes, as a student you will be able to access self-study lessons on academic writing, grammar and vocabulary on the Cardiff University Student Intranet.

## Further Information

For further information, including information about sub-scores, and to make an application, please visit:

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

or email: [elt@cardiff.ac.uk](mailto:elt@cardiff.ac.uk)

# 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 (Zoology)</b> (4 year prelim year) (5 year prelim year and prof year)	<b>(Page 45)</b> C102 C103
<b>Biological Sciences BSc</b> (4 year prelim year) (5 year prelim year and prof year)	<b>(Page 45)</b> C302 C303
<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> Please contact the School of Pharmacy and Pharmaceutical Sciences directly.	<b>(Page 124)</b>
<b>Physics</b> Please contact the School of Physics and Astronomy directly.	<b>(Page 127)</b>



**The preliminary year programme includes modules in Biosciences, Chemistry and Maths. The particular modules studied depend on the requirements of your chosen degree subject.**

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 Master's 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 change. These changes 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 apply for any funding that you are eligible for before you start your studies. Failure to apply and receive confirmation of your funding will result in the University invoicing you directly for your fees.

## 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, telephone: **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 and wish to pay by direct debit, you can pay up-front in three instalments in November, January and April. International students can pay in full by 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-paying students

Self-paying students are allowed to pay their tuition fees in three instalments by direct debit, in November, January and April. 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 form of sponsorship, must provide evidence of this by emailing a copy of their written guarantee to the tuition fees office before being permitted to enrol on their course. Failure by a sponsor to pay tuition fees when due will result in the student being liable for payment directly as a self-paying student.

## Year abroad and/or placement fees

Students undertaking a work placement year or 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**

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/study/student-life/student-support](http://www.cardiff.ac.uk/study/student-life/student-support)

## 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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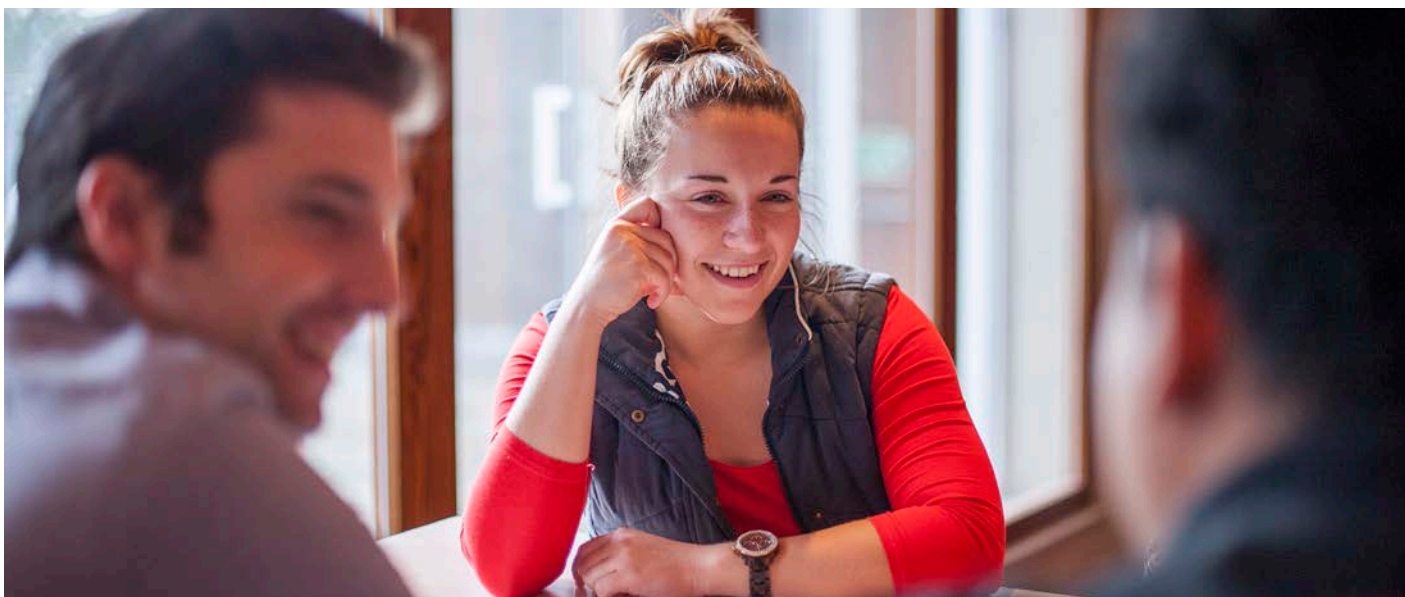


## The use of animal-derived products in undergraduate teaching

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 should be made by 15th January 2021 (or 15th October 2020 for Dentistry and Medicine courses).

Late applications will be considered after this date, subject to places being available.

The Cardiff University UCAS code is **C15 CARDF** and degree programme codes are listed in this prospectus.

## Admissions

We welcome applications from people from all backgrounds with the potential and determination to succeed on our programmes of study. Starting with our admissions and recruitment practices we work to deliver a comprehensive range of services dedicated to helping students make the most of student life.

We are committed to promoting equality and diversity in all of our practices and activities, including those relating to student recruitment, selection and admission.

## Entry requirements

The typical entry requirements listed in this prospectus are stated in terms of A-levels, International Baccalaureate, the Welsh Baccalaureate Advanced Skills Challenge Certificate and BTEC, but we welcome applications from those offering alternative qualifications at an equivalent level, including those with combinations of qualifications and those with other relevant life/work experience. In many cases, typical offers for these qualifications are listed on our website along with information about relevant admissions and selection criteria.

If you are applying for a joint honours programme you are advised to check our website for entry requirement information.

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

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 of our degree programmes 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.

## Curriculum changes

Significant changes have been made to the school curriculum in England and Wales in recent years. Our approach to some of these changes is outlined below but detailed information can be found 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 at the same grade, for entry to all of our undergraduate degree programmes.

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.

Please note that any specific subject requirements in all combinations must be met.

### Extended Project Qualification (EPQ)

We recognise the EPQ for entry for all our degree programmes with the exception of Medicine and Dentistry.

Where an applicant is taking the EPQ alongside 3 A-levels (or equivalent) this will be recognised in an offer of study (bar the exceptions given above) on the basis that, achieving a grade A in the EPQ will lower the entry requirements by a single grade. For example an AAB at A-level offer would be amended to "AAB at A-Level in 3 subjects OR grade A in the EPQ and ABB at A-level in 3 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. 8 for grade A\* and 4 for grade C as standard, unless otherwise stated.

#### GCSE Grading

Wales	England
A*	9 and 8
A	7
B	6
C	5 and 4

### International applicants

Applications from international students will be accepted by UCAS between 1 September 2020 and 30 June 2020 (or 15 October 2020 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.

### 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 2021 admissions cycle and are correct at the time of going to press in January 2020. 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 at: [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 at: [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/pubs/ug](http://www.cardiff.ac.uk/pubs/ug)

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.

## 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 team offers 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 2020

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.

If our Open Day 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/visit/directions](http://www.cardiff.ac.uk/visit/directions)

### 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 2020 will take place on:

- Wednesday 1 April
- Friday 3 July
- Saturday 19 September
- Saturday 24 October

See our website for further details.

Register your interest at:

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



CARDIFF  
UNIVERSITY

PRIFYSGOL  
CAERDYDD

## Open Days 2020

- ▶ Wednesday 1 April
- ▶ Friday 3 July
- ▶ Saturday 19 September
- ▶ Saturday 24 October

To find out more and  
book your place visit:

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

## 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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