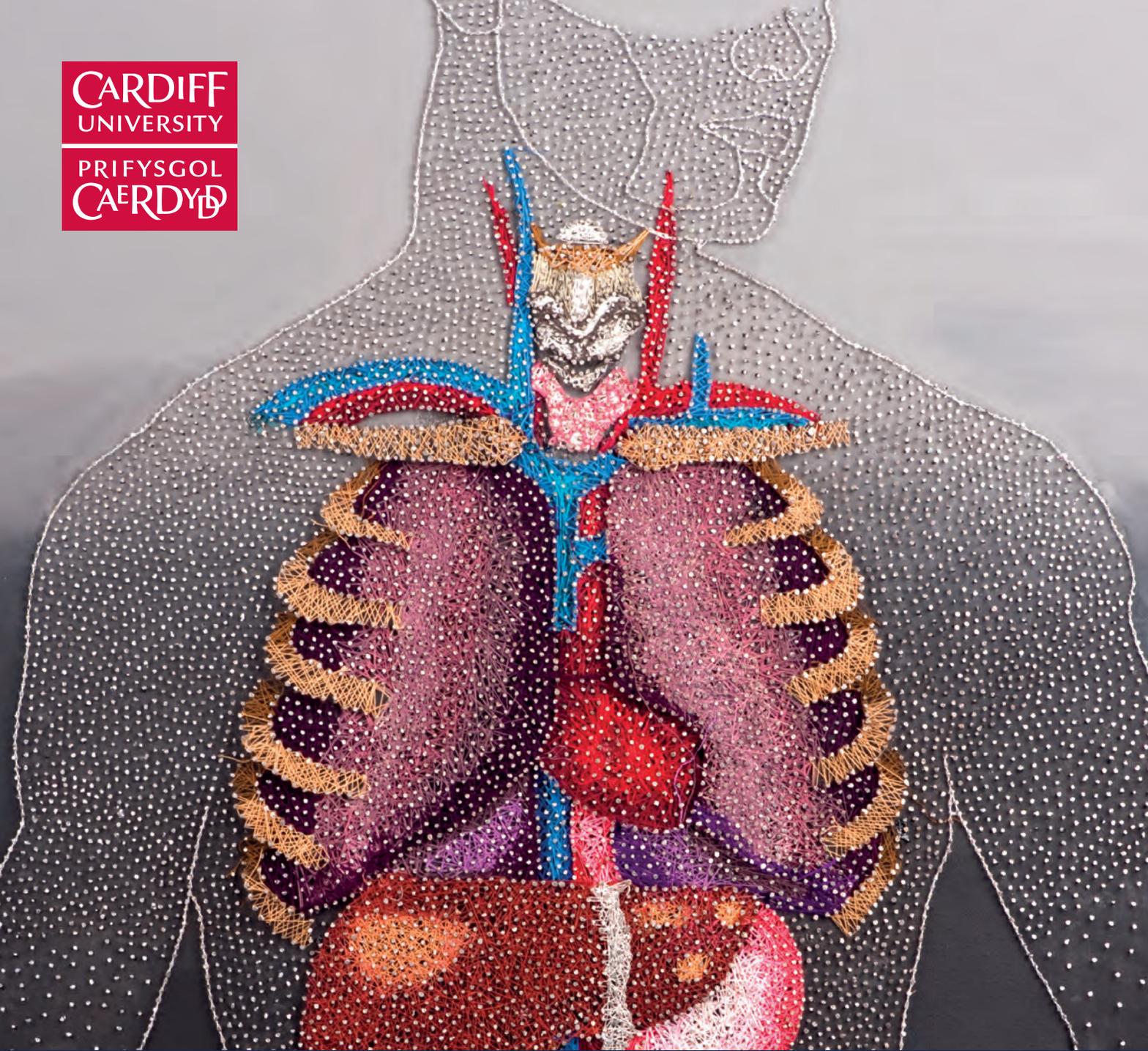


CARDIFF
UNIVERSITY

PRIFYSGOL
CAERDYDD



School of Medicine

Undergraduate Degree Programmes

Entry 2021

www.cardiff.ac.uk/medicine

Welcome

Taught by **scientists** and **clinicians**.

Patient contact

from early in Year One

Medicine

Year One module has three virtual “patient cases” around therapeutics, toxicology and drugs of abuse bridging the gap between pharmacological theory and the patient. **Year Two human anatomy module** involving full body cadaveric dissection (for those thinking of postgraduate Medicine; spaces limited).

Medical Pharmacology

Potential entry to the second year of the five year Cardiff Medicine course on **graduation**.

Medicine A101/A102

Currently all Final Year students carry out a unique “**hands on**” research project.

Medical Pharmacology

Everything you learn **prepares** you for your career: Case Based Learning, spiral curriculum, Harmonisation Year and more.

Medicine

Learn about **Medicine** in tiny villages, deprived inner cities and everything in between.

Medicine

Award-winning teachers and thought-provoking techniques.

Medicine

Optional Professional Placement Year (PPY) between second and final year: extends academic learning to the workplace, allowing students to relate facts and theories to real life issues; provides invaluable “employability skills”, bolsters future career prospects and imparts a competitive cutting edge in the toughest of work markets.

Medical Pharmacology

Tailor your course to your interests, with the option to **travel abroad.**

Medicine

100%
NSS Satisfaction
2019.

Medical Pharmacology

Cardiff is the **most affordable** student city in the UK.

(NatWest Student Living Guide 2019)

95%
in work/study within 6 months.

UNISTATS 2018

Medical Pharmacology

Learn transferable language skills - knowing how to **communicate** with patients whose first language is not yours could take you anywhere in the world as a doctor.

Medicine

For more info go to:
www.cardiff.ac.uk/medicine/courses/undergraduate
Can't find your answer in this brochure? Email:
medadmissions@cardiff.ac.uk

Contents

Choose Cardiff	2
School of Medicine	4
The MBBCh Medicine Programme	5
What will I learn on C21's 5 year MBBCh curriculum?	6
Typical 2019/2020 C21 Student Journey	8
What our students say	9
Learning and teaching	10
A flexible curriculum	12
MBBCh admissions	14
Our facilities	16
Elective	18
FAQs	20
Postgraduate foundation training programme	21
What our people say	22
The Medical Pharmacology BSc Programme	23
Life outside Medicine	24
Research	26
A capital city	28
A leading university	29
Living in Cardiff	30
Applications	31
How to find the School	33

Cover illustration:
Perseverance by Laura Mills

Keep an eye on:
www.cardiff.ac.uk/medicine/courses/undergraduate/open-days
for Medicine Taster Days.

Choose Cardiff

Wales provides a rare balance between the fun of vibrant city living and accessible, beautiful countryside.





Our students tell us that our course delivers what you want in a medical school:

- You have early patient contact, working with patients from Year One.
- Experience the challenges and rewards of practising Medicine in both urban and rural communities. Our unparalleled range of clinical opportunities and placements will help you to make the very best choice when you apply for your first job as a junior doctor.
- Up to 15% of your course can be tailored to your interests.
- Your final (Harmonisation) year prepares you for a smooth transition to junior doctor and our graduates report feeling well-prepared for practice.



Wales provides a rare balance between the fun of vibrant city living and accessible, beautiful countryside. It is a great place to study and you can live life to the full with all that Cardiff University has to offer.

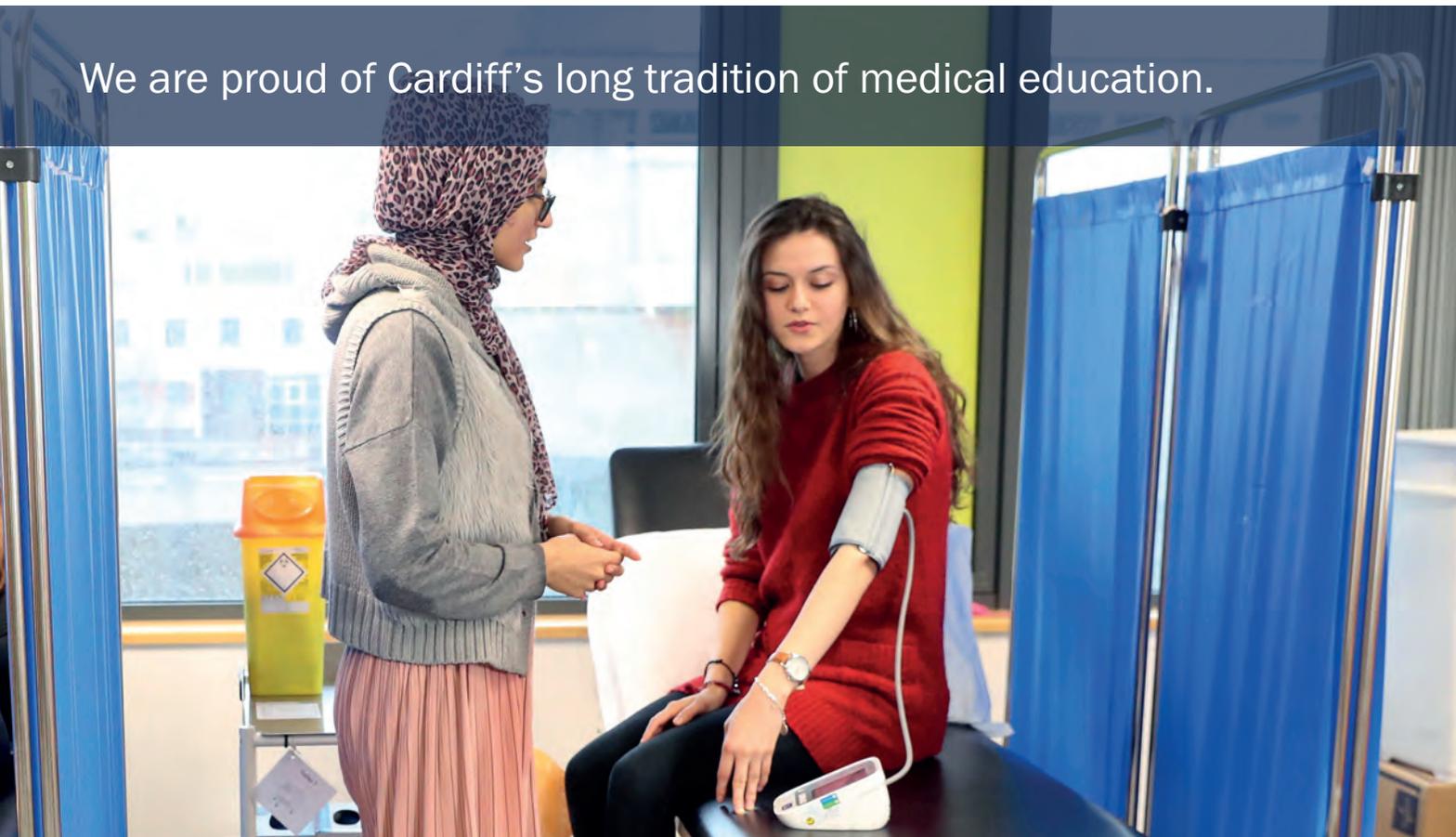
We look forward to meeting with you at one of our Open Days soon.

Professor Stephen Riley
Dean of Medical Education



Cardiff University School of Medicine

We are proud of Cardiff's long tradition of medical education.



Since 1893 we have trained the very best doctors and today we focus on providing a 21st century education to our students.

We combine progressive healthcare education and patient care with world-class research and outstanding teaching facilities, to help you to become the very best doctor you can be.

The Heath Park Campus, located at the University Hospital of Wales, is well-resourced with a lot to offer students. You will learn in our purpose-built teaching facilities and well-resourced Clinical Skills and Simulation Centres, study in our well-equipped interprofessional library and socialise at the Student Union Hub (dubbed The IV Lounge by our students).

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

The course has a large practical element so you get to learn the really cool stuff from the very beginning. It also allows you to perfect your skills throughout the course and be confident on the job once you graduate as a doctor.

Dr Julimar Abreu
Cardiff graduate

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

The Students' Union at the Heath Park Campus is here to help you have a great student experience on this amazing journey through university. We offer student representation, support and advice services for housing queries, well-being or academic issues. Join over 250 sport clubs and societies, with regular social events, volunteering and other personal development opportunities. You can also represent your peers, as a student academic representative. So! Let's make your student experience at Cardiff University an incredible time to remember!

Shekina Ortom
Vice President Heath Park 2019-20
Cardiff University Students' Union

C21: our MBBCh Medicine Programme

What programmes are there to study Medicine?

Five year undergraduate programme UCAS A100:

Requiring the appropriate science A-levels or equivalent. There are approximately 270 places for Home and EU students and around 25 for Overseas students.

Six year programme UCAS A104:

Up to 16 places for applicants with limited or no science background, where we'll bring you up to speed with a preliminary year.

Four year graduate entry programmes UCAS A101 and UCAS A102:

For up to 10 graduates of each of our recognised feeder courses only: BSc in Medical Pharmacology; Biomedical Science (Cardiff University) and Medical Sciences (University of South Wales or Bangor University). You can apply to join Year Two of the A100 programme.

UCAS A102 is similar to UCAS A101, except that you spend all four years in North Wales, based at Bangor University and graduating with a Cardiff University degree.



What will I learn?

Preliminary Programme (UCAS A104)

In your preliminary year you will study in a university environment and you can join in many of the activities run by medical student societies.

You will take core chemistry and biosciences modules plus an Introduction to Medical Sciences module to help ease you into the world of Medicine. You will also take mathematics modules if you do not have this subject at A-level. These modules prepare you to join Year One on an equal footing with other medical students. You will also have some optional choices and can choose from a range of science, language and humanities modules.

Graduate Entry Medicine (UCAS A101 and UCAS A102)

As a graduate of one of our four feeder stream degrees, you will gain your Medicine degree in four years rather than five. You will join the Medicine programme in Year Two of our five year A100 programme and will graduate with the same degree as other medical students four years later (or, if you intercalate, five years later). To give you a smooth start, we will teach you basic clinical skills and Case Based Learning for three weeks before the start of the academic year.

What's Case Based Learning (CBL)?

The first thing you need to know is that CBL is a far more structured and supportive learning style than Problem Based Learning. CBL is designed to give all students equal learning opportunities and the very best teaching. CBL introduces and reinforces key biological, social and psychological concepts at the most relevant points, to maximise your learning.

This learning is facilitated best in small group teaching.

You'll be presented with a case, around which your teaching for up to a fortnight will be based. For example, let's say the case involved a patient with a sporting injury to his knee: in lectures you will learn about the mechanisms of inflammation and anti-inflammatory medications; in the anatomy centre you'll be examining the relevant area; on placement you may be in a physiotherapy clinic dealing with sporting injuries and in the clinical skills labs you'll learn how to examine a knee.

What's a spiral curriculum?

We have a spiral curriculum, which means each year you will revisit common clinical problems and build on what you have learned already. New information is then easier to remember and to apply in a clinical context when you see patients.



“The community spirit in Wales is like no other and you really get a feel for that on placement.”

Rachel Price
medical student

What will I learn on C21's five year MBBCh curriculum?

C21's PHASE 1: Core Science and Clinical Practice - Years One and Two

What is it all about?

Your first semester in Year One, our Platform for Clinical Sciences, orientates you to the basic sciences and aids your transition to Higher Education. Following this, in Years One and Two you will learn basic and clinical science via the theme of 'the Chronological Life Course.' You will explore the normal workings of the human body and start to recognise disease, combining what you learn in our in-depth basic science teaching sessions with what you see on clinical placements. You will use cases discussed in small groups ('Case Based Learning' – see Page 5) to study common clinical conditions that affect patients of different ages.



What will I do?

- Basic clinical sciences such as anatomy, biochemistry, physiology and immunology are learnt in a range of formats including workshops, lectures, practicals and cadaveric dissection
- Communication skills, learning how to take focused histories and explain diseases and treatment
- Clinical skills, learning a range of physical examinations, basic life support and practical skills
- Behavioural and Social Sciences, such as Psychology and Sociology, are areas that you will learn throughout the programme
- Professionalism and Personal Development workshops - doctors have important roles as leaders and respected members of society so we help you to learn about professionalism in practice and develop as an individual.

Where will I be learning?

- You will study in the most appropriate facility for the type of learning required, meaning that your time will be split between the clinically-focused Heath Park Campus and Bioscience facilities at Cathays Campus
- You will also have regular NHS placements. These clinical experience days will allow you to see patients with conditions that you are exploring in your Case Based Learning groups, as well as meeting staff in a multidisciplinary environment.

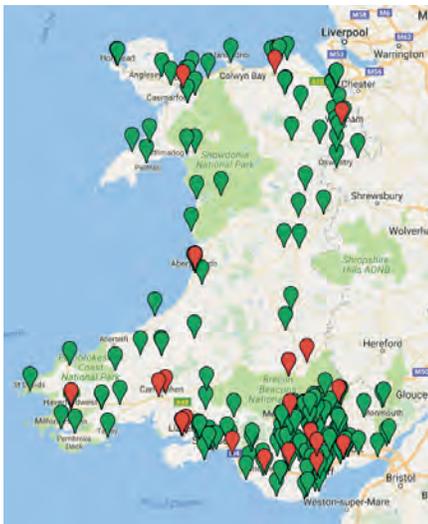
Case Based Learning, with its clinical placements, really prepares you for the daily reality of life on the wards.

Dr Sarah Morgan
Cardiff graduate

C21's PHASE 2: Learning to Care - Years Three and Four

What is it all about?

This part of your course concentrates on patient experiences of illness and healthcare. It is designed to give you an excellent learning experience in clinical settings, to make you the best doctor you can be.



What will I do?

- You will learn the fundamentals of excellent clinical care, such as clinical assessment, diagnosis, management and treatment of common diseases
- Year Three focuses on common diseases in acute and chronic settings
- Year Four's emphasis is on specialties and you will spend time with a range of specialists such as obstetricians, paediatricians, geriatricians and psychiatrists
- You will have teaching alongside your clinical placements, where the fundamentals of good medical practice are covered, as well as the pathology, therapeutics, social sciences and ethics relevant to your placement
- As part of your Student Selected options programme, you will also be able to pursue a non-core topic that interests you in greater detail.

Where will I be learning?

- Most of your time will be spent on NHS and GP clinical placements across Wales
- You will be in hospitals, GP practices and community clinics
- You will also follow an oncology patient through hospital and in the community
- Your teaching block weeks are in University, preparing you for your clinical placement at the start and consolidating your learning at the end
- In Year Three you may have the option of a year-long placement, based mostly in primary care in rural Wales, known as our CARER route. See page 11
- Through the Erasmus+ Programme, some Year Four students have spent time on clinical placement at one of our partner institutions in Europe. Our agreements are reviewed regularly but we hope to still offer European Exchanges in future years.

C21's PHASE 3: Preparing for Practice - Year Five (Harmonisation Year)

What is it all about?

Your final year as a Cardiff University medical student is designed to help you to make a smooth transition into your role as a Foundation Doctor (F1). Harmonisation has three 7-8 week clinical placements, together with shorter study blocks back at the University. The year is designed to build your confidence, to allow you to practise clinical and prescribing skills and to enhance your ability to work as part of a team. During this time you will use the My Progress ePortfolio to record your learning.

As the year progresses you will learn to assume increasing responsibility for patient care.



The Senior Student Assistantship alleviated many of the anxieties and fears that a new graduate faces. It isn't always our medical knowledge but rather ward 'know-how' that matters.

Dr Yousef Ibrahim
Cardiff graduate

What will I do?

- Preparing for Practice addresses those practical aspects of Medicine that are necessary to become a great doctor, e.g. communication, medical documentation and emergency patient management
- Junior Student Assistantship (clinical placement with a Consultant)
- Primary Care Attachment (clinical placement with a GP)
- Your elective lets you experience Medicine in different cultural situations around the world
- University teaching
- Your Senior Student Assistantship placement has you shadowing the F1 whose shoes you will fill after graduation, if you choose NHS Wales for your first job. This helps you become comfortable with the people and environment before your first day as a Foundation Doctor even starts - making that daunting transition from student to doctor both safer and more enjoyable.

I am having a great time as an F1. It's very busy but I am enjoying doing what I always wanted to do.

Dr Mustafa Abdimalik
Cardiff graduate

Where will I be learning?

- Your Junior Student Assistantship and Primary Care Attachment placements are in Wales
- Your elective can be in the UK or abroad - it is your choice
- Your Senior Student Assistantship placement will usually be in the hospital where you will start your career as a doctor. If this is outside Wales we will fit you in to a suitable placement in Wales and encourage you to spend time shadowing the outgoing F1 over the summer
- Your study blocks will be at the Heath Park Campus in Cardiff.



Being on 'away' placements means you make friends you otherwise might not have come into contact with, so by the end of the course everyone knows everyone, which makes it a really friendly environment to be in.

Dr Zoe Candlish
Cardiff Graduate



Support Network

Medicine can sometimes be demanding physically, mentally and emotionally and we want to be there to help you through these moments. We will support you both academically and pastorally throughout your training at Cardiff.

As a medical student you will not only have access to the University Student Support Centre but there is also specific support available through the School of Medicine. You will be allocated a personal tutor, who will

be a great source of knowledge and support, to help you with your learning.

They will meet you regularly and be able to signpost you to specific support if you should need it. Support for more personal issues is provided through our Medic Support service.

This provides support for those with personal and health concerns and links with the wider University support services. We also ensure you are well looked after when you are away on placement, with support staff based at

each district general hospital in Wales. We work hard to ensure you have access to support and advice whenever you feel you might need it.

Medic Support kept everything confidential and they tailored the support to suit my needs.

Dr Jamie Plumb
Cardiff graduate



The 2019/2020 C21 student journey

Year One		Year Two		Assessments											
Introduction Week	Platform for Clinical Science (PCS)	Basic Building Blocks	Distribution and Defence	Control and Communication	Introduction Week	Case 1: Sports Injury	Case 2: Chest Pain	Case 3: Respiratory	Project Week 1	Project Week 2	Case 4: Sexual Health	Project Week 3	Case 5: Cognitive Decline	Case 6: Upper GI	Revision
<p align="center">C21 North Wales: Opportunity to study Medicine in Bangor for 4 years starting in Year 2, following the Year 2 plan above</p>															

CAREER: Opportunity to study the Year 3 Syllabus in Bangor or Aberystwyth, with a local GP in small groups with hospital experiences

Year Three	Year Four	Year Five
<p>University Based Learning</p> <p>Introduction</p> <p>Clinical Placement 1: Chronic Disease 1 (CD1): in both primary and secondary care.</p> <p>Consolidation</p> <p>University Based Learning</p> <p>Introduction</p> <p>Clinical Placement 2: Hospital Front Door (HFD): the patient journey from entry to discharge.</p> <p>Consolidation</p> <p>SSC 8: 6 week Student Selected Project (SSC)</p> <p>University Based Learning</p> <p>Introduction</p> <p>Clinical Placement 3: Oncology/Surgery (ONC)</p> <p>Consolidation</p> <p>Revision</p> <p>SSC 9: 7 week Student Selected Project (SSC)</p> <p>University Based Learning</p> <p>SSC Showcase in Cardiff</p>	<p>Introduction</p> <p>Clinical Placement 4: Chronic Disease 2 (CD2)</p> <p>Consolidation</p> <p>Introduction</p> <p>Clinical Placement 5: Psychological Medicine & Neurosciences</p> <p>Consolidation</p> <p>Revision</p> <p>Introduction</p> <p>Clinical Placement 6: Women, Child & Family</p> <p>Consolidation</p> <p>Revision</p> <p>Exams</p>	<p>University Based Learning</p> <p>Clinical Placement 7: Primary Care Attachment</p> <p>University Based Learning</p> <p>Pre-Elective</p> <p>Clinical Placement 8: Junior Student Assistantship, with responsibility for five hospital patients</p> <p>Revision</p> <p>Elective</p> <p>8 week elective project, almost anywhere in the world</p> <p>University Based Learning</p> <p>Clinical Placement 9: Senior Student Assistantship</p>

Year	University-Based Learning	Clinical Placements	Projects (SSCs)	Examinations
Year 1	PCS / Case Based Learning	Hospitals/GPs	3 x one week SSC Projects	Science paper
Year 2	Case Based Learning	Hospitals/GPs	4 x one week SSC Projects	Science paper, Clinical Exam, Progress Test
Year 3	6 weeks Applied Clinical Science (ACS)	3 modules (CD1/HFD/ONC) 8 weeks in Hospitals and GPs across North and South Wales	SSC Project for 6 weeks + Oncology Project	Progress Test
Year 4	1 week All Year Teaching at the end of the year	3 modules (CD2/PNO/WCF) 8 weeks in Hospitals and GPs across all Wales	SSC Project for 7 weeks	Clinical Exams (ISCEs) and Progress Test
Year 5	6 weeks university-based teaching	3 modules (PCA/JSA/ASSA) 8 weeks in Hospitals and GPs across all Wales	Elective Project for 8 weeks	Progress Test, Situational Judgement Test, Prescribing Examination

What our students say . . .

Dr Rucira Ooi

Cardiff graduate

What do you think of C21?

I'm really glad I came here. C21 has a holistic, practical approach, with CBL covering the anatomy, physiology, pharmacology, plan of management, sociology and treatment of your patient. We also had early clinical exposure right from 1st Year, with ample time to practise, so we aren't thrown into the deep end in our later years.

Do you have any advice for future medical students?

Be bold and confident. With the medical school's outstanding support, approachable staff and endless opportunities, I can assure you that you have all you need to achieve your greatest potential. When I started I would blend into the background, but in my 3rd year alone, I completed a closed-loop audit and three audits, presented at four conferences and spearheaded the Surgical Society's Biennial Undergraduate Surgical Exchange Conference, with the help of my committee members. I was also a part of MedDay, fundraising for Bobath, a charity aiding children with cerebral palsy.

What's the best thing about living here?

Welsh culture is so welcoming - people here are friendly and always smiling. Cardiff is one of the more student-friendly cities and good accommodation can be under £300 a month.



Luke Morgan

Year Three medical student

Is CBL an effective and supportive learning style?

CBL is the perfect balance of facilitated learning and being given the responsibility to learn in-depth areas of particular personal interest. Having a safe environment to get a range of views on a case and be able to question preconceptions is hugely beneficial to creating a well-rounded doctor. Bringing the theory back to a patient keeps the learning grounded in a patient centred, integrated approach to Medicine.

What's the best thing about living in Cardiff?

Cardiff is idyllic! It has the many perks of a capital city, such as world-class sport and fantastic cultural facilities, while still being small enough to walk pretty much anywhere. Having Bute Park so close to the university and the city centre is perfect for both BBQs and sport on warm summer days or mass snowball fights during the winter!

What are the benefits to having a MedSoc family?

MedSoc families provide fantastic opportunities to get to know students from other years and get involved in a variety of projects. As well as being there for a great night out, families support each other when the going gets tough as they are very easy to talk to and are able to give some of the best inside tips.



Thomas Grother

Year Four medical student

Why Intercalate?

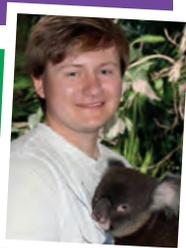
Cardiff provide a number of Intercalation options for third and fourth year students, it gives you the opportunity to study a topic you find interesting, in greater depth. I applied for the Medical Education course because the modules were applicable to my future ambitions. I was successful in my application, and I am excited to start in the autumn.

What do you think of CBL?

I find CBL to be a perfect mix of PBL and traditional learning. Each fortnight a case group of roughly 12 discuss a 'patient' and explore topics around the case. A case facilitator supports the group and helps keep you on track to ensure you achieve all learning outcomes within the fortnight. These fortnight blocks also include plenaries, anatomy centre sessions and placements. Many groups rename CBL to 'Cake' based learning, as they have a rota for someone to bring in cake each session.

What are the benefits to having a Cardiff MedSoc family?

When you arrive at Cardiff, you will be paired with another first year medical student, and two second year medical students to form a 'Medic Family'. During the first week of studies, your parents take you on a tour of the University and provide a great opportunity to answer any questions you have. Many Medic families stay in touch and I'm looking forward to meeting my great-grandchildren in September!



Tilly Ellis

Year Five medical student

What's the best thing about living here?

I love Cardiff being a small capital city. It has everything you could possibly want, so much variety and everything in walking distance. Beautiful parks provide the perfect excuse to escape into nature. A little further afield are gorgeous beaches, Brecon Beacons National Park and lots more. I can't imagine going to university anywhere else and hope to stay in Wales after I graduate.

How beneficial is a spiral curriculum?

Remembering everything is impossible so revisiting a topic multiple times during your studies is invaluable. As well as consolidating your memory, you can build on your knowledge in that area, adding detail you may not have understood earlier.

Is CBL an effective and supportive learning style?

I would definitely not know as much as I do now if I'd had 9-5 lectures. I cannot praise CBL enough and absolutely love this style of learning. Practicals, small groups, lectures and placements support the cases perfectly and so much clinical experience, so early on, is amazing. I don't think there is any better way to remember and consolidate information than teaching someone else what you have learnt - CBL is perfect for this.



Learning and teaching

Cardiff students are encouraged to interact, participate, ask questions and reflect, because we believe that doctors who are inquisitive and curious problem-solvers give their patients the highest standard of care.



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

The way the curriculum works, you're never more than a week away from a patient or clinical encounter that ensures all the theory makes sense. It really hammers home that the point of all your studying is to be a doctor at the end of it all.

Dr Shafqat Batchelor
Cardiff graduate

Our Case Based Learning approach keeps the patient at the centre of your studies.

Through small group learning, co-ordinated lectures, clinical placements, clinical skills training and self-directed study we combine a variety of disciplines in order to integrate science, social science and clinical practice. Our focus is on you and your learning: we will support you as you take increasing responsibility for your own learning and encourage you as you use your own initiative to seize opportunities and experiences that will be available to you as a student and, later, as a doctor.

Communication skills are at the heart of good medical practice and are one of the first things patients notice. Our highly-rated workshops will help you to gather information, explain diseases and treatments, provide support when patients are distressed and deal with more complex skills like breaking bad news. You will attend workshops throughout the course, consulting with actors trained to behave as patients, receiving feedback and sometimes being filmed in order to review your own performance. We are encouraging patients to be your teachers too.

PAL (Peer-Assisted Learning) is a highly successful initiative which trains Year Five medical students to peer-tutor junior years in clinical procedural skills. The PAL Scheme has been a great success, helping seniors to gain experience in the teaching environment, while juniors develop their skills and knowledge from more experienced colleagues who still recall what it feels like to be tackling new skills.

Where will I go and what will I do?

Wales offers you a breathtaking variety of clinical experiences that adds value to your medical career. You'll be on clinical placement in hospitals, GP practices and community clinics from your first year, gradually going further afield for longer placements, with increasing responsibility as part of a medical team. By your final year you will be spending more time with your patients than your books and will have experienced, first-hand, what it means to provide medical care across the spectrum - from GP practices in farming communities or small hospitals in popular seaside resorts and post-industrial towns, through to tertiary specialties in large, urban teaching hospitals.

Tailor your medical degree

The School of Medicine is continually looking to enhance the student experience. The Community and Rural Education Route (CAREER) gives some Year Three students the opportunity to spend a whole year embedded in a more rural community, mostly in primary care. This will facilitate learning within a clinical team fully supported by Cardiff University and a local clinical educational supervisor. Graduate Entry students entering our programme via UCAS A102 will live and study in North Wales. Based at Bangor University, C21 North Wales students will learn Medicine from patients and clinicians at Betsi Cadwaladr University Health Board. Their learning outcomes will be the same as their peers on the A100 course and they will graduate with a Cardiff University MBBCh. Students

successfully completing Year One of the A100 programme based in Cardiff may also apply to complete their MBBCh in North Wales.

Students on placement at the Betsi Cadwaladr University Health Board in North Wales consistently report an excellent student experience and our programme will seek to build on this.

How will I be assessed?

Assessments at Cardiff are designed to be fair and to support you as you learn. We'll assess you at the most appropriate time, in the most relevant place, using actual clinical examples. Our 'single best answer' multiple choice-style question papers will test your knowledge and our Integrated Structured Clinical Examinations (ISCEs) will test your clinical skills, using real patients with real physical signs, as well as role players to assess your ability to communicate with patients.

Throughout your course we will award prizes for the best academic performance and, at the end, you will be awarded the final degree of MBBCh (with Honours or Commendation for high achievers).

Rural Health Day

Rural Health Day gives all Year Two students the opportunity to experience the excitement and unique challenges rural practitioners face on a daily basis. The Welsh Ambulance Service simulates a serious road traffic accident in an isolated area, providing students with valuable experience in the challenges emergency services face in rural communities. A variety of clinical and communication skills are practised during this stimulating day. This taster provides a rewarding glimpse into yet another option available for you in clinical practice.

Learning and Teaching Activities

Course code	Course title	Year	Scheduled %	Independent %	Placement %
A100/A104	Medicine (MBBCh)	1	47	43	10
A100/A101/A102/A104	Medicine (MBBCh)	2	53	40	7
A100/A101/A102/A104	Medicine (MBBCh)	3	27	20	53
A100/A101/A102/A104	Medicine (MBBCh)	4	27	20	53
A100/A101/A102/A104	Medicine (MBBCh)	5	17	25	58

Preliminary Year (A104) learning is largely scheduled, with a smaller amount of independent learning and some placement in one of the modules. Percentages are not listed here as the ratio depends on a student's choice of modules.

A flexible curriculum



Expand your career prospects and explore an area that intrigues you . . .

Intercalated degrees

- Spend a year on an academic course before returning to Medicine
- Study something a bit different in a medically-related field you enjoy
- Expand your career prospects through additional qualifications
- Choose from a selection of degrees
- Approximately 100 students a year intercalate between Years Three and Four, or Four and Five, subject to academic performance
- Wide range of BScs offered within Cardiff University (Pharmacology/Emergency, Pre-hospital & Immediate Care/Psychology/Medical Education and many more)
- Option to transfer to other universities in the UK to undertake an intercalated degree
- Opportunity to research a subject in depth and develop the intellectual and practical tools that every successful researcher needs
- Enhances skills in evidence-based practice.

To find out more about eligibility and what you can do, please contact:

IntercalatedBSc@cardiff.ac.uk

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

The Medical Education BSc doesn't just teach you the how of education, but also the why.

Dr James Kilgour, Cardiff graduate

Intercalation gives you the freedom to explore things that you find interesting in more detail. It's given me a flavour for academic research.

Lawrence Pugh, medical student

Intercalating in Medical Education has opened up many opportunities for me and has had a huge influence on my hopes for my future career.

Krishna Parmar, medical student

Student Selected Components (SSCs)

SSCs account for approximately 15% of the medical curriculum and offer a range of project opportunities that enable you to explore an area of Medicine in depth.

We offer SSCs across all five years of MBBCh and there are a range of projects, from clinical research through to basic science, plus connections between the arts and health.

You will have an opportunity to choose from tutor-proposed SSCs or design your own bespoke project – this is your chance to be extra creative and focused in your own studies, tailoring your degree to your own particular interests and career aspirations.

Erasmus+

The Erasmus+ programme was set up to encourage students to learn in different countries and enjoy different cultures and languages.

We currently have agreements with medical schools across Europe, meaning that you can choose to undertake a placement as part of your core studies and immerse yourself in the host country's culture at the same time. 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.

All students who currently participate in the Erasmus+ Programme are eligible to receive an Erasmus+ grant. The grant is provided by the European Commission to help offset the additional costs of living and studying abroad. Future funding is subject to confirmation.

Language doesn't have to be a barrier as we organise intensive courses and language advisors who can help you learn or improve upon existing languages.

If you do not take part in a placement as part of your degree, Global Opportunities also provide opportunities for you to study, work and volunteer abroad during the summer holiday. These short-term placements last a

minimum of three weeks and take place in a variety of locations around the world. Bursaries are currently provided to students to help cover the costs of going abroad.

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

My 3 months in Lisbon was an unforgettable time. We got a fascinating slice into being a medical student in Portugal.

You get to see a whole lot more, although it is not as hands-on. Not only do you get to stretch your language skills (some knowledge of Portuguese or advanced Spanish is a must), but also exercise your taste buds and enjoy many day trips to the hot beach. If you get the chance to partake in this experience, take it! Até já!

Thomas Gupta Jessop
medical student, Lisbon

Gyda phwylsiais cynnar ar brofiadau clinigol mae C21 yn gosod cleifion yn ganolog i'n haddysg Feddygol.

With an early emphasis on clinical experiences, C21 places the patient at the centre of our medical education.

Gwenllian Rhys
medical student

The opportunity to experience medical training and practice in France will undoubtedly be one of the highlights of my time in Cardiff. Exposure to the varying practices and approaches seen across countries is essential in our ever-shrinking world and is hugely valuable in informing and improving our practice with our own patients at home. All this goes without mentioning the varied and multiple opportunities to enjoy the culture, language and cheap Muscadet!

Vive la France!

Rhiannon Watson
medical student, Nantes

SSCs are a really good chance of experiencing something really interesting outside of the curriculum.

Amelia Guy, medical student

MBBCh admissions



Applications

To be considered for entry onto one of our degree programmes you should apply online via the UCAS website using the 'UCAS Apply' facility: www.ucas.ac.uk/apply

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

The closing date for all applications each year is 15th October.

The aim of our selection process is to identify students who are best suited to follow our medical programme successfully and who have the greatest potential to embark on a productive career in the medical profession.

We will assess you in two broad areas: academic ability and potential; and personal qualities appropriate for a career in Medicine.

The School of Medicine is committed to ensuring that the selection process is open, equitable and applied fairly to all applicants. We have a detailed Admissions Policy which can be viewed on our website at: www.cardiff.ac.uk/medicine/courses/undergraduate

Academic Entry Requirements

It is important that we establish your potential to cope with the academic demands of our programme. Our initial assessment of your application will consist of scoring performance in a range of subjects.

The **minimum** requirements at GCSE are English Language 6 (B), Mathematics 6 (B), either Double Award Science 66 (BB) or 66 (BB) in Chemistry and Biology.

Applicants receive a score based on their best nine GCSE (or equivalent level) results. This score will include the subjects mentioned above. Post A-level applicants receive additional credit for achieved A-levels. Welsh students are under-represented within Medicine and therefore applicants who are Welsh domiciled will be given additional consideration.

For more details about our GCSE scoring process please visit our website: www.cardiff.ac.uk/study/undergraduate/courses/2020/medicine-mbbch

A-level

The typical A-level offer for the A100 course is AAA grades which should include Chemistry and Biology. We also accept the Welsh Baccalaureate qualification in lieu of a third A-level. General Studies and Critical Thinking are not accepted. If your qualifications do not include both Chemistry and Biology you may apply for the A104 course. The requirements for A104 are AAA at A-level.

Graduates

If you are applying for the A100 programme with a degree you will need to have achieved the minimum GCSE requirements outlined above. You will also need to have the

appropriate science qualifications at A-level with grades BBB/ABC. Offers will be conditional on achieving at least a first or upper second class honours degree.

Graduates who do not offer the appropriate science subjects at A-level or beyond may be eligible to apply for the A104 programme. If applicants have completed a PhD, the minimum A-level requirement is BBC.

International Baccalaureate

You will be expected to achieve 36 points (excluding Theory of Knowledge and the Extended Essay). A minimum of 19 points must be achieved in the Higher Level subjects made up of a score of 7, 6, 6 points. Two sciences (from Chemistry, Biology, Physics and either Mathematics or Statistics, but not Mathematical Studies) must be offered at Higher Level with the score of 6 points being achieved in either Chemistry or Biology. Chemistry or Biology must be offered at Standard Level with a score of 7 points, if not at Higher Level.

Other

Applications from those offering alternative equivalent/overseas qualifications are welcome. More information can be found on our website: www.cardiff.ac.uk/study/undergraduate/applying/admissions-criteria/medicine

Four year Graduate Entry Scheme (via Feeder Streams) A101 and A102

There are two graduate entry programmes (A101 and A102) for applicants who are currently enrolled on an official Feeder Stream programme:

- BSc (Hons) Medical Pharmacology degree, School of Medicine, Cardiff University (B210)
- BSc (Hons) Biomedical Sciences degree, School of Biosciences, Cardiff University (BC97)
- BMedSci Medical Sciences degree, Bangor University (B100)
- BSc (Hons) Medical Sciences degree, University of South Wales (B901)

Applicants for both programmes should have achieved the minimum GCSE requirements outlined above, BBB or ABC at A-level and be on track to achieve at least a first or upper second class honours degree.

University Clinical Aptitude Test (UCAT)

For the A100 and A104 programmes you will be required to sit the University Clinical Aptitude Test (UCAT) anytime 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 by visiting the website: 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 assessment 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 Graduate Australian Medical School Admissions Test (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.

Non-Academic Entry Requirements

If you are successful at the first scoring stage, your personal statement and reference will then be assessed. The following should be demonstrated:

- 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

Interviews

If you are successful in both academic and non-academic assessment then you will be invited to attend a multiple mini interview.

This will involve rotating around 9 stations in turn where each station will last 8 minutes. The interviews focus on exploring the personal qualities and attributes important in developing good doctors. Our interviews take place over a three week period during December/January. No offers are made without interview. If invited to interview, Welsh-speaking applicants can request a bilingual interview.

Additional Requirements

If you are successful in receiving an offer you will be required to complete a health questionnaire and complete the Disclosure and Barring Service process at the 'enhanced' level.

Use of Contextual Data

Cardiff University School of Medicine is committed to widening access and welcomes applications from students of all backgrounds. The academic and non-academic attainment of an applicant will be reviewed against national educational performance data and socio-economic background, to provide admissions tutors with a more complete overview of an applicant's attainment and potential. The School of Medicine may include Welsh Culture, Society and Welsh Language qualifications as part of the assessment criteria. The School will consider this information when deciding whether to call a candidate for interview. It will not use this information to make lower or differential offers to any particular group of students.

For further information about contextual data and its use please visit the web pages: www.cardiff.ac.uk/study/undergraduate/applying/contextual-data

The School of Medicine welcomes applications from the Step Up to University scheme. Applicants are required to let the scheme co-ordinators know that they will be applying to study Medicine. They must meet the minimum entry requirements to receive a guaranteed interview. These requirements are listed on our website: www.cardiff.ac.uk/study/undergraduate/applying/admissions-criteria

Applicants on the Step Up scheme will not be made lower or differential offers.

Admissions Contacts

For information on applying please contact a member of the Admissions Team:

Tel: **029 2068 8113**

Email: medadmissions@cardiff.ac.uk
www.cardiff.ac.uk/medicine

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

Cardiff will always be in my heart. It's the school that opened its doors for me and I am proud to be an alumnus of this prestigious School.

Dr Agamemnon Pericleous
Cardiff graduate

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

University faculty and staff are dynamic, engaging and enthusiastic about their educational and pastoral roles.

Dr Ronak Ved
Cardiff graduate

Our facilities



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

The facilities at Cardiff are fantastic. The Clinical Skills Self Directed Learning Centre is particularly great, as it gives us the opportunity to practice skills such as cannulation, taking blood and administering injections in a safe and supportive environment, enabling us to become more skilled and confident clinicians.

Harriet Middleton
medical student

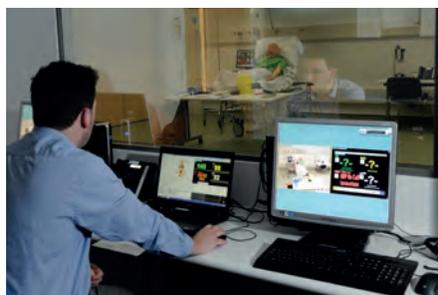


Clinical Skills Centre

Full of specialist equipment and models, the Clinical Skills and Simulation Centre provides a safe facility for you to learn clinical skills and gain valuable experience.

Our teaching centres on mastering the 32 key practical skills set out by the GMC and a range of physical examination skills so that you are ready for that first day as a junior doctor.

- We have a variety of versatile teaching rooms, with audiovisual and computerised facilities that allow us to deliver everything from communication skills to basic life support, using realistic, anatomically-correct models to enable you to learn and practise a wide range of procedural clinical skills
- Our staff have developed e-learning modules to provide you with helpful theoretical knowledge prior to a clinical skills session
- After timetabled sessions are over, you can practise the skills in our fully-equipped Self Directed Learning area, gaining experience and confidence in your abilities in a safe, protected environment.
- Most Wednesdays, during term time, one of the Clinical Skills Teaching team is available in the Self Directed Learning Room. They are there to assist you with the procedural skills that can take a little bit longer to master.



Simulation Centre

Assessing an acutely unwell patient, monitoring vital signs, making and implementing management decisions; this is all part of life as a junior doctor. The Simulation Centre provides a safe, supported environment to enact out clinical scenarios. The hospital sites throughout Wales also have simulation facilities, which enables simulation teaching to occur wherever you are based for your final year clinical placements. We want you to feel prepared for your first day as a junior doctor and to know how to safely and calmly handle situations that arise.

Our facility has four simulation rooms and four teaching rooms. Simulation rooms contain adult patient manikins in what looks, and feels, like a real clinical setting.

Strategically-placed cameras allow live play and video playback, enabling you and your peers to learn as both participants and observers. Peer learning in small group teaching is a key aspect of teaching at the Centre. Participants and observers will come together at the end of a scenario and a Tutor facilitates a debriefing session. We apply a structured approach which highlights each performer's good clinical practice. We take time to discuss how individuals can improve their performance next time and potential alternative approaches, all of which will help you to be a better doctor



Anatomy Centre

Ask around and you'll discover that anatomy is a widely popular subject amongst our students, often one of the highlights of their medical school career. As a Cardiff student, you will be studying anatomy in our impressive Cathays Campus Anatomy Centre, laying the foundation for an exciting and successful future in Medicine.

Anatomy is a key part of our Phase 1 medical curriculum and we specialise in small group teaching led by clinical anatomists, academics and clinical demonstrators from the School of Biosciences. Our range of teaching methods, including dissection, prosection, body painting, e-learning and video tutorials, is designed to ensure that your anatomy learning complements each case or system as you explore it in your lectures, tutorials and placements.

Biosciences

The School of Biosciences, close to the Students' Union and the city centre, provides a welcoming environment for students.

Inside the modern building, with its distinctive coloured hexagonal glass-front, there has been a large investment into the refurbishment of facilities. This refurbishment includes numerous teaching areas, as well as physiology and AV equipment. There is also ample study space and a café.

Elective

The final year elective is often a highlight of a medical student's time at university. You design an experience that focuses on a topic area that interests you at a location almost anywhere from Australia to Vietnam. We have links with universities in Asia that can help to ensure a unique experience. You will fund your own trip but we have staff to help, well-organised programmes and financial bursaries.



A great elective on my doorstep . . .

As a mature student with commitments, I decided to explore an elective closer to home. Having enjoyed my previous placement at Royal Gwent Hospital in Newport, I returned to my area of interest – oral and maxillofacial surgery. My consultant (Ms Lindsay White) welcomed me and I joined clinics, theatre and the on-call doctor managing in-patients and referrals from A&E. All of my learning came into use, ranging from communication skills when witnessing the delivery of bad news to the knowledge of head and neck anatomy when assisting in a neck dissection. My highlight was to implement my knowledge and practical skills when assessing and suturing facial lacerations. It was helpful to be already familiar with the local health system and, with no language barrier, I made the most of quality teaching and patient communication. I definitely gained skills which are usually learnt later in your medical career.

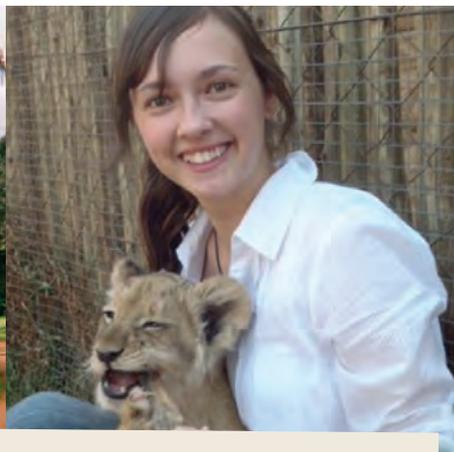
Dr Chai Sanapala, Cardiff graduate



I was always interested in paediatrics . . .

...and always wanted to visit Australia so an elective in Sydney was ideal for me. My experience in the Children's Hospital gave me the opportunity to become more confident in dealing with common paediatric presentations. This helped prepare me for my F1 rotation in paediatrics and also reaffirmed my belief that I would find a career in paediatrics fulfilling. Being in Australia also meant I was lucky enough to have amazing adventures such as climbing Sydney Harbour Bridge and sky diving in Cairns. Overall, it was a fantastic experience.

Dr Rachel Debono, Cardiff graduate



"CAN YOU DO AN APPENDIX?"

One of the first comments I was greeted with at the Juba Teaching Hospital, South Sudan. My shake of the head was greeted with enthusiastic nods. "Ok no problem. I show you this one and you do the next one." Fortunately the next one didn't arrive until I had departed the surgery team.

I wasn't quite sure what to expect of an elective in the world's newest country, only recently torn apart by years of famine and war. Needless to say, conditions were challenging and I was forced to use all the skills and knowledge acquired at Cardiff in managing a wide variety of patients.

My time at Juba was enjoyable, interesting and demanding. I have had a unique insight into healthcare in a post-conflict nation and the experience I have gained, I'm sure, will be invaluable for my working life in the UK.

DR RICHARD THOMAS, CARDIFF GRADUATE



FAQs



Do you accept resits?

For Medical Pharmacology, Yes.

For Medicine, we will consider Certified GCSE resit results but only if they are completed within 12 months of the first sitting. Resits for those whose A-levels have been completed, and the grades awarded, will only be considered in exceptional circumstances. All extenuating circumstances are viewed on a case by case basis by the Admissions Group.

Does Cardiff University School of Medicine accept applications for deferred entry?

Yes, and please make this clear on your application form when you submit it.

We cannot guarantee to accept later decisions to defer once an offer has been made.

What does Cardiff University School of Medicine think of a gap year?

We welcome a constructive gap year as it gives you an opportunity to travel, gain work experience or carry out charity work etc.

We recognise that a gap year can broaden your skills and experience. A gap year is not compulsory.

I can't find the answers to my questions in this brochure, so where should I look now?

Our Admissions Policy is a good place to start as it is much more detailed than this brochure in relation to the policies and procedures around applying. The Admissions Policy can be found easily on our website:

www.cardiff.ac.uk/medicine/courses/undergraduate

Does Cardiff accept transfers onto the course?

Transfers may be considered for Medical Pharmacology. Please contact the Admissions Tutor, Dr Derek Lang (langd@cardiff.ac.uk) for advice.

Cardiff University School of Medicine has an integrated, spiral Medicine curriculum so does not normally consider transfer requests from students studying elsewhere.

What is the minimum score required in an IELTS exam?

All medical programmes require an average score of 7.0 or above (with a minimum of 7.0 in speaking, 6.5 in listening, 6.5 in reading and 6.5 in writing).

I applied to Cardiff for Medicine last year and didn't get in. Can I reapply this time?

Yes, you can reapply as long as you meet our minimum entry requirements for the year you are applying. You will need a current UCAT/GAMSAT score. Your previous application will not influence our decision on your current application.

What language will I learn in?

You can opt for parts of your course, and some assessments, to be in English or Welsh. We are increasing the amount of our programme available in both languages.

Studying Medicine in Wales, a bilingual country, lets you develop valuable communication skills; feeling confident to treat patients whose first language is not your own equips you to work anywhere in the world, from Carmarthen to Canada. How much of their language you learn is up to you, and we will help and support you along the way.

Postgraduate foundation training and beyond



At the end of the undergraduate programme you'll receive your degree. The General Medical Council (GMC) approves your university's degree as a primary medical qualification (PMQ).

This is important because, provided there are no concerns about your fitness to practise, a PMQ entitles you to provisional registration with the GMC for a licence to practise medicine in the UK.

The GMC is introducing a Medical Licensing Assessment – the MLA. The MLA will create a demonstration that anyone obtaining registration with a licence to practise medicine in the UK has met a common threshold for safe practice. To obtain a PMQ, graduates from 2024 onwards will need to have a degree that includes a pass in both parts of the MLA. One part will be a test of applied knowledge (the AKT), set by the GMC and held at your medical school. The other will be an assessment of your clinical and professional skills delivered by your medical school (the CPSA). Each school's CPSA must meet GMC-set quality assurance requirements. The MLA will test what doctors are likely to encounter in early practice and what's essential for safe practice.

It intentionally will not cover the whole of a medical school curriculum. So, you will also need to meet your university's degree requirements. You can find out more about the MLA for UK students at www.gmc-uk.org/mla.

Provisional registration is time limited to a maximum of three years and 30 days (1125 days in total). After this time period your provisional registration will normally expire. Provisionally registered doctors can only practise in approved Foundation year one posts: the law does not allow provisionally registered doctors to undertake any other type of work. To obtain a Foundation year one post you will need to apply during the final year of your undergraduate programme though the UK Foundation Programme Office selection scheme, which allocates these posts to graduates on a competitive basis. All suitably qualified UK graduates have found a place on the Foundation year one programme, but this cannot be guaranteed, for instance if there

were to be an increased number of competitive applications from non-UK graduates.

Successful completion of the Foundation Year One programme is normally achieved within 12 months and is marked by the award of a Certificate of Experience. You will then be eligible to apply for full registration with the General Medical Council. You need full registration with a licence to practise for unsupervised medical practice in the NHS or private practice in the UK.

There is some discussion about whether to remove provisional registration for newly qualified doctors.

If this happens then UK graduates will receive full registration as soon as they have successfully completed an MBBCh (or equivalent) degree. It should be noted that it is very likely that UK graduates will still need to apply for a training programme similar to the current Foundation Programme and that places on this programme may not be guaranteed for every UK graduate.

Although this information is currently correct, students need to be aware that regulations in this area may change from time to time.



What our people say . . .

Dr Mike Atkinson

Graduate

I am currently a Core Medical Trainee in Gastroenterology.

School of Medicine, what was it really like?

It's a great environment to train in. The staff are approachable and supportive and it's led by some inspirational and eminent academics. Generally, medics in Wales are friendly and down-to-earth and the range of experience you gain is enormous - from placements in a big tertiary centre (UHW) to small cottage hospitals and inner city GPs to single-handed rural practices.

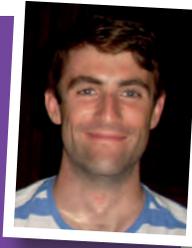
All Wales placements?

Really great - without doubt one of the best aspects of being a Cardiff medic. I had an eight-week placement at Bronllais Hospital in Aberystwyth. It was brilliant. I got a first-rate taster of life as a junior doctor and learnt loads in terms of medical knowledge, clinical skills and workplace skills. The highlight was getting the opportunity to experience a new part of Wales; the scenery around Aberystwyth is beautiful.

What will you take away into working life?

The Harmonisation year was totally invaluable in preparing me for my F1 post. In fact, although it had its ups and downs, I would say that starting work as a junior doctor was thoroughly enjoyable and not nearly as rocky as I had imagined.

Wales has a wealth of excellent doctors and clinical teachers and without doubt their teaching and advice has prepared and enthused me to do a job which I love.



Dr Zarabeth Newton

Teacher

I am a Lecturer in the MBBCh programme.

What do you enjoy most about teaching here?

I enjoy teaching our students. Our medical students are a dynamic, inquisitive set who stretch themselves and draw the most out of every experience. I look forward to having you as one of them. I love watching you learn and explore the knowledge and skills that you are acquiring. My favourite aspect is watching the information "click" for you.

What can your students expect from you?

You can expect enthusiastic, innovative teaching and the knowledge that you will be able to understand some of the most complex concepts. I love the science and explaining it to you and why it all happens. You can expect a lot of "But why?" questions from me. We will explore the different elements of a patient together so you become the best doctor that you can be.

What makes Cardiff stand out?

The curriculum, which is structured around you, is about training you to provide the best patient care. You are involved in Community Medicine from your first year. In Cardiff, you are Doctors in Training from the start. In the student-selected projects, you can choose your own project or topic according to your own interests.



Miss Awen Iorwerth

Teacher

I am a Clinical Lecturer.

Why do you teach undergraduates?

Prof Lewis in the Wales School for Surgery in the Wales Deanery helped develop my interest in training young doctors and encouraged me to take the job of the core Surgical Training Programme Director in Wales. Having organised several Welsh Medical Society Conferences, I was inspired by the enthusiasm of the Cardiff undergraduate medical students and the opportunity to develop Welsh medium medical education with the Coleg Cymraeg was an opportunity that was too good not to take!

What makes Cardiff stand out?

A small enough community to get to know people, but big enough to develop clinicians of international standard.

What do you enjoy about teaching?

Watching the penny drop! And seeing the students make the link between science and the patient in front of them.

What can your students expect from you?

Someone who explains the concept clearly and tries to demonstrate why they are learning an exceptional subject.



Dr Jeff Allen

Teacher

I'm year one Director and a Lecturer in the Centre for Medical Education.

Why do you teach undergraduates?

We often use the term 'teaching' as imparting knowledge but nowadays I think it's more about facilitating the learning experience. Emphasis is on immersing students in a learning environment which encourages active learning, developing their skills that help them become lifelong learners. I find this very rewarding.

What can your students expect from you?

As a teacher I help students develop an understanding of physiology: how living things work - their structure and function right down to the molecular level. I challenge students by asking 'how do you learn?' I want them to find out what is best for them. To understand concepts I try to help students apply ideas and learn actively by communicating these to their peers. As the Director of Year 1 MBBCh, I am involved in curriculum design, delivery and assessment. I am directly involved in student pastoral and academic support.

What makes Cardiff stand out?

Cardiff University offers the opportunity to learn Medicine in a capital city, with added ability to study in both rural & coastal communities. The University has the clear aim of providing students with an inspiring and enriching educational experience.



The Medical Pharmacology BSc Programme (UCAS B210)

3 year (or 4 years, to include the Professional Placement) undergraduate course

Medicines: How are they discovered & developed?

Why do we need them? What do they do and how do they work?

With medicines underpinning healthcare, our BSc programme aims to encourage and develop your natural curiosity about how they work. As a student you will embark on a high quality, in-depth exploration of modern Medical Pharmacology, with specialised training in internationally- recognised research laboratories. You will be taught by experts from a team of pharmacologists and clinical pharmacologists. Throughout the course there is emphasis on providing you with transferable skills such as data analysis and organisational and problem solving skills, making your degree highly attractive to future employers.

Each year up to 10 places are available on the 4 year Graduate Entry Medicine (UCAS A101/ A102) scheme, allowing graduates of this BSc programme to go on to become doctors.

A BSc degree in Medical Pharmacology from Cardiff University is a valuable commodity. As a graduate from a leading Russell Group research institution, your skills and experience will mean that you are well placed for rewarding and challenging careers in the pharmaceutical industry, academia (for research and teaching), governmental regulatory bodies, the healthcare sector and a range of other professional career pathways e.g. patent law.

How will I spend my time?

- Scheduled learning and teaching activities
- Guided independent study

Year One



Year Two



Year Three



Programme structure and content

YEAR ONE

Underpinning modules taken in common with the School of Biosciences, where you will spend most of your time, provide knowledge of physiology, anatomy and biochemistry. A flagship module provides specific information on:

- Foundations and Principles of Pharmacology.

YEAR TWO

Basic & clinical coverage of drugs and their actions in a wide range of contexts, plus:

- Pharmacology-specific practical applied skills
- Pharmacology research techniques
- Clinical Anatomy

You will be based almost entirely on the Heath Park Campus.

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

Research-led specialist pharmacology topics including:

- Pharmacogenetics
- Cardiovascular pharmacology
- Immunopharmacology
- Neuropharmacology
- Cancer Biology
- Drug Development and Therapeutics
- Plus an intensive medical research laboratory-based research project.

You will be based fully on the Heath Park Campus, working with active researchers.

B210 Programme Entry Requirements

A-level: Typical offer: AAB to include Chemistry and at least one other science subject (preferably Biology but Physics, Mathematics or Statistics are also appropriate). General Studies or Critical Thinking are not accepted. Only one Mathematics or Statistics subject may be included in meeting the conditions of the offer. Applicants undertaking science A-levels where a separate practical assessment is reported will require a pass in this element.

WBA: Typical offer: AAB to include A-level Chemistry plus another Science subject* and

the Welsh Baccalaureate Advanced Skills Challenge Certificate (WBA).

* from Biology, Physics, Mathematics or Statistics.

IB: Please look on our website for details.

Other: Applications from those offering alternative equivalent qualifications are welcome.

English Language and Maths GCSE must be at least grade 6 (B) if not offered at A-level.

For more information contact;
Dr Derek Lang, Admissions Tutor
email: langd@cardiff.ac.uk

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

Studying pharmacology at Cardiff has been a fantastic experience for me. I have found the teaching and pastoral support to be excellent and the course has provided me with all the necessary skills that are needed to pursue a career in research or in a medical field..

Zoe Boreham, Medical Pharmacology graduate

Life outside Medicine

This is just a taster of our student societies.

For more go to: www.cardiffstudents.com/activities

First Responders

Cardiff Medics' First Responders recruits medical students in their third year or above to train as Welsh Ambulance Service First Responders, responding to 'Category A' 999 calls. Working as part of the Welsh Ambulance Service, our aims are to deliver a quality service to our local communities and provide invaluable experience in Emergency Medicine to our members. As a First Responder, you will attend the most critical of emergencies, from patients who have collapsed in the street to those who are having a heart attack in their home. Using your training, you will provide the vital pre-hospital care that could save someone's life.



MedSoc allocates Freshers a 2nd year 'Mummy' and 'Daddy' who are there to help you to settle into med student life.

Our medic 'family' has grown to 6 generations that are still in touch.

Dr Antony Wilby, Cardiff graduate

Teddy Bear Hospital

Teddy Bear Hospital Cardiff is a society that aims to reduce children's fears of hospitals through play. We also offer medical students a fantastic opportunity to develop their communication skills and interact with children aged 3-11 years old - helping everyone to find the cuddly side of Medicine. Working with local schools, after school clubs and other groups we also aim to teach children about the body and their health, using the fun medium of toys, small bandages, dressing up scrubs, and copious amounts of glitter. Teddy Bear Hospital Cardiff also supports our local hospital Noah's Ark Children's Hospital Charity, raising money by holding events such as cake sales, pub quizzes and a Teddy Bear's Picnic.



The Wilderness and Expedition Society (WEMS)

Are you a bit of an adventurer? Like the great outdoors? Or just want to take Medicine one step further?

This is the ethos of WEMS - we aim to equip our members with hands on, practical teaching in the treatment of medical emergencies in a remote setting, taught by older medical students, doctors, guest speakers. WEMS makes sitting in lecture theatres a whole lot more interesting! Not forgetting to put everything in context - we regularly go on expeditions and treks.





Medics Sport

Sport is available to all Cardiff students, through University or Medics teams. This makes it easier to play sport at university by fitting training sessions and matches around demanding timetables and having a more forgiving attitude when course commitments clash. Medics teams also allow students on healthcare subjects to “network” with each other and provide a stable pastoral role, as older students have been there already.

However, don't underestimate us - we are a competitive bunch by nature and we make sure this is shown on the pitch, court and field!

Widening Access to Medicine Scheme (WAMMS)

WAMMS is a student-led initiative which aims to raise aspirations. WAMMS encourages students in socio-economically disadvantaged areas across Wales, and in schools where applications were previously low, to consider a career in Medicine. By involving medical students on placement around Wales, we have been able to access schools in every county. Our mentors give support and guidance to pupils in Years 11-13 who are interested in Medicine, and offer advice on topics such as personal statements, interviews and work experience. It is also a great opportunity to share their experiences of university.

We want to reach out to even more schools; once you join Cardiff University we hope you will get in touch with us to find out how you can get involved: WAMMS@cardiff.ac.uk



Sports and Societies are a great way to explore areas of interest with likeminded people while developing new skills which you can take forward into the future.

Dan Parry, medical student

Cardiff has a wide selection of societies and sports clubs and everyone is really welcoming! Healthcare basketball has to be the best of them all!

Amy Clark, medical student

MedSoc

MedSoc is Cardiff University's award-winning, student-led medical society. From supporting students and appraising the course curriculum to planning the best social events for student medics, MedSoc aims to provide you with the best University experience, tailored to meet your evolving needs.

MedSoc represents students across all years of the course. Committee members work closely with the School of Medicine and organise activities to help you make some of those important decisions you face as a prospective doctor.

For more information, Like 'Cardiff MedSoc' on Facebook.



Institute for Healthcare Improvement Open School

Cardiff medical students are making a real difference to the NHS thanks to a simple initiative called “Ask One Question”. Students ask patients, “What can I do to improve your day?” and act on their responses, which has identified issues from adverse drug reactions to doctor-patient communication breakdown.

This idea has been so successful that our students presented at an international conference and won an award. It is now in our C21 curriculum and has been adopted internationally.

Research

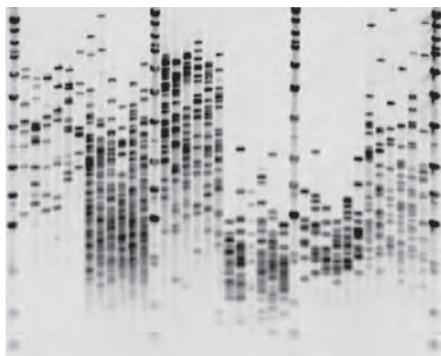


Cardiff is a member of the Russell Group, Britain's foremost research-intensive universities

Our School of Medicine is the oldest in Wales and one of the largest in the UK. We have a proud record of internationally-renowned research and our students learn from researchers whose work makes a real difference to society.

Our research is organised into divisions: Cancer & Genetics; Infection & Immunity; Population Medicine; and Psychological Medicine & Clinical Neurosciences. Our School of Medicine also hosts two University Research Institutes: the Neuroscience & Mental Health Research Institute and the Systems Immunity Research Institute. As a medical student, you can choose to develop your personal interests, learning from leaders in their field, in any of these areas. You will have multiple opportunities, through Student Selected Components, intercalation choices and via membership of Cardiff University Research Society (CUREs), our well-respected, student-led society.

Doctors need to feel comfortable with research and we will help you with this. Our expertise and support for your interests will develop a range of skills you will use for the rest of your career. If you want to go further in research, you will have access to world-class opportunities.



Technology, now being developed by TeloNostiX Ltd, will help guide doctors' decisions on how to manage their patients

Cardiff University: Changing the Game

More accurate prediction of disease progression

A test predicting the prognosis for patients with breast cancer and Chronic Lymphocytic Leukaemia, some of the most common forms of cancer in the UK, was developed by School of Medicine Professors Duncan Baird, Chris Fegan, Chris Pepper and their teams. The technology, now being developed by TeloNostiX Ltd, will help guide doctors' decisions on how to manage their patients.



Cancer Immunotherapy: Arming our own immune cells to destroy cancers

Treatments for some blood cancers are being revolutionised by CAR-T cell therapies that boost the cancer patients' own immune system. New research by School of Medicine researcher Professor Ann Ager and her team (pictured above) has shown that other cancers could potentially be destroyed by boosting the patients' own immune cells to kill cancers.

Protecting young people from Human Papillomavirus (HPV)

Sore arm? You can thank School of Medicine researchers Dr Ned Powell and Dr Sam Hibbitts, whose work led to widespread vaccination of school students against HPV. Research and lobbying by Dr Powell and Prof. Mererid Evans (Consultant Oncologist at Velindre Hospital) helped to convince UK governments to routinely vaccinate 12-13 year old boys and girls. HPV is linked to multiple forms of cancer and vaccination is expected to prevent around 6000 cases a year across the UK.



Cardiff University Research Society

CUREs is a student-led society which aims to foster and develop a passion for research among Cardiff medical students. Together with the Academy of Medical Sciences' INSPIRE programme and Cardiff Undergraduate Research Opportunities (CUROP) programme, CUREs coordinates a range of events and schemes to help students of all years develop and undertake an extended research project in an area of their interest. Cardiff students have an excellent reputation for their achievements in research, with many attaining peer reviewed publications and national prizes in recognition of their work prior to graduation. You might not think research is for you but this may change as your experience broadens and you identify problems you'd like to solve while studying or on clinical placements. As a Cardiff student, you can rest assured that CUREs' support will help you seek the solution.

For more information, Like 'Cardiff University Research Society - CUREs' on Facebook.

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

In my time at Cardiff, I had the opportunity to meet and be mentored by leading research clinicians and scientists. This culminated in a Summer Vacation Scholarship. I was sponsored to spend my summer holidays undertaking a supervised laboratory project in a leading immunology lab, a fantastic first exposure to this unique environment which can be hard to break into. These first experiences were instrumental in shaping my future ambitions as a clinician-scientist.

Dr Simon Thebault
Cardiff graduate

A capital city



Cardiff is a compact city with an enormous character. Nestled between the rugged coastline and breathtaking mountainous scenery of Wales, the country's capital is a cornucopia of culture, marrying historical delights with cosmopolitan amenities.

Providing an endless array of activities, one stroll through its cobbled streets can see you learn about the rich tapestry of Cardiff's past at Cardiff Castle before soaking in the atmosphere as the crowds spill from the Principality Stadium after one of the many sporting events it holds year round.

The vibrant and independent culinary scene is the heartbeat of the city. With something

to please every palate, you can enjoy fine dining, plant-based treats and exotic cuisines from almost every corner of the globe, without forgetting Welsh cakes for dessert!

Wales is the land of song, and Cardiff certainly contributes heftily to this legacy. This city is built with music running through its veins, from the oldest record store in the world, Spillers Records, which is tucked away in Morgan Arcade, to more contemporary and intimate venues which host some of the world's most exciting new musical talent.

Though your Cardiff bucket list may be bursting at the seams, be sure to make a little room for our National Museum which is a place of

true wonder, while the iconic Wales Millennium Centre in the idyllic setting of Cardiff Bay is simply not to be missed.

Bustling with personality, Cardiff is a city made for students, offering an endless string of entertainment opportunities while remaining inexpensive and easy to navigate.

The modern shopping centres, aesthetic arcades, luscious green parks and thriving nightlife are a huge draw for living in Cardiff, though you'll always find your way back to our Students' Union, which is the true home of the student scene in the city.

"I've never fitted in anywhere before like I have with the people here. Cardiff is the perfect balance between big city and friendly town. Student support is so easy to access. You're never left wondering where to turn. Staff in general are so lovely. Always remember my name and are free for a chat over a cup of tea."

Hannah Beetham, medical student

A leading university

Part of the
**RUSSELL
GROUP**



“Cardiff University is highly rated on a local and global scale.”

The Telegraph, 2018

Our students learn from leading researchers in over 300 courses across the University. As Wales’ only Russell Group institution, we have gained an international reputation for excellence in teaching and research, which is built from our history of achievement since 1883.

Cardiff University becomes home for approximately 5,500 new undergraduate students every year. While competition for places is strong, we pride ourselves on being an inclusive university, welcoming applications from everyone who wishes to study with us.

We are a global university with over 7,500 international students from more than 100 countries and open our doors to all applications, irrespective of background.

Facilities and development

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.

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.

Supporting you

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

We are also rated as one of the best universities for supporting LGBT+ students and are proud to be ranked highly in the Stonewall Workplace Equality Index.

Virtual campus tour

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

virtualltour.cardiff.ac.uk

Living in Cardiff



“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



Cardiff is the perfect place to be a student. It mirrors the hive of activity a big city offers, but in an intimate and compact setting with endless character. Drink in the atmosphere, soak up the culture and get stuck into the host of activities available in our city; your new home.

A guarantee of accommodation

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

The residential dates for your particular accommodation will be confirmed in your Offer of Residence.

Residence Life

While staying in Cardiff student accommodation, you will have access to the incredible service provided by the Residence Life Team who work tirelessly to enhance your student experience.

Working in partnership with Student Support and Wellbeing, the Residences Office and the Students’ Union, Residence Life will welcome you to Cardiff and help you to make a smooth transition into University.

They also help foster a strong sense of community through social events and cultural activities, as well as practical support too.

Students’ Union

Our Students’ Union is at the heart of the Cardiff student experience. It’s a student-led and independent part of the University, dedicated to making your time with us the best it can be.

Built on the foundation of inclusion, diversity, personal development and friendship, the Students’ Union runs a range of activities and services to help enhance your Cardiff University experience.

These include advice, training, skills development, entertainment, volunteering opportunities and employment throughout your time at Cardiff and to prepare you for a career after University too.

Find out more . . .

Accommodation

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

You can also watch our residences film online at: www.youtube.com/watch?v=hxzX-dYLF88

Students’ Union

-  facebook.com/cardiffstudents
-  snapchat.com/add/cardiffstudents
-  instagram.com/cardiffstudents
-  [@cardiffstudents](https://twitter.com/cardiffstudents)
-  www.youtube.com/cardiffstudents

Applications



To be considered for entry onto any of the undergraduate courses offered in the School of Medicine you should apply through UCAS: UCAS, Rosehill, New Barn Lane, Cheltenham, Glos, GL52 3LZ, UK

www.ucas.com

Entry requirements

These typical requirements are for guidance. Please check our website for latest information, plus our Admissions pages elsewhere in this brochure.

Equality and diversity

We are committed to supporting, developing and promoting equality and diversity in all our practices and activities.

We aim to establish an inclusive culture free from discrimination and based upon the values of dignity, courtesy and respect. We recognise the right of every person to be treated in accordance with these values.

We are committed to advancing equality on the grounds of age, disability, gender reassignment, marriage and civil partnership, pregnancy and maternity, race, religion and belief (including lack of belief), sex and sexual orientation and to fostering good relations between different groups.

For further information, please visit: www.cardiff.ac.uk/public-information/equality-and-diversity

Bilingual Welsh/English Skills

Whether you are already a Welsh-speaker or just keen to learn, the School of Medicine can support the development of your Welsh language skills in a number of ways. Many of our students have found using Welsh useful when training across Wales, and you can gain confidence through accessing online resources or tutor-led free Welsh lessons for all abilities. Welsh-speakers can undertake a Language Skills Certificate and can work with a Welsh-speaking personal tutor:

Welsh-speaking tutors are happy to work bilingually too. Where possible, we ensure that those who wish to develop their Welsh language skills on placement work with Welsh-speaking educational supervisors. Academically, students can choose to work with Welsh-speaking students during some parts of the course, and you will be able to write your assignments or take some written examinations in Welsh if you wish. You may be eligible for a scholarship through the Coleg Cymraeg Cenedlaethol; go to www.colegcymraeg.ac.uk/myfyrwyr for more information. We offer bilingual admissions interviews and some of the student residences have been allocated for Welsh-speakers and learners.

Applications *continued*



Open Days

The University runs Open Days throughout the year giving anyone considering applying to Cardiff the chance to find out more about life at university and see what we offer.

If you apply and are offered a place for Medicine, you will be invited to meet us at an Offer Holder event. When making that important decision, we strongly encourage you to join us. Not only will you have the opportunity to hear more about our degrees, you will also meet staff, have the chance to talk to current students and to get the feel for our cosmopolitan capital city.

Student support

Whether or not you use student support services it's reassuring to know that they are available to you should you need them. Every student is assigned a personal tutor but should you need extra support we have a range of services available to you. Such as;

- Disability and Dyslexia support
 - Email: disability@cardiff.ac.uk
 - Tel: **+44 (0)29 2087 4844**
 - Email: dyslexia@cardiff.ac.uk
 - Tel: **+44(0) 29 2087 4844**
- Counselling and Wellbeing Guidance
Email: wellbeingandcounselling@cardiff.ac.uk
Tel: **+44 (0)29 2087 4966**
- International Student Support
Email: iss@cardiff.ac.uk
Tel: **+44 (0)29 2087 6009**
- Student Mentor Scheme
www.cardiff.ac.uk/study/student-life/student-support

Tuition fees and financial assistance

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

Tuition fees

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

Scholarships and bursaries

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



Important Legal Information

The contents of this brochure relate to the Entry 2021 admissions cycle and are correct at the time of going to press in October 2019. However, there is a lengthy period of time between printing this brochure and applications being made to, and processed by us, so please check our website at: 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 brochure and our website, the contents of the website take precedence and represent the basis on which we intend to deliver our services to you.

Your degree: Students admitted to Cardiff University study for a Cardiff University degree.

This brochure is printed on paper obtained from well managed sources using vegetable-based inks. Both the paper used in the production of this prospectus and the manufacturing process are FSC® certified. The printers are also accredited to ISO14001, the internationally recognised environmental standard.

When you have finished with this brochure it can be recycled, but please consider passing on to a friend or leaving it in your careers library for others to use.

Thank you.

Cardiff University is a registered charity, no. 1136855

How to find the School

The School of Medicine is based at our Heath Park Campus, on the site of University Hospital of Wales (UHW), one of the UK's largest teaching hospitals. Central Cardiff is within walking distance and many students choose to live in accommodation between the two.

Key

-  School of Medicine
-  University and NHS buildings
-  Student residences

This prospectus can be made available in alternative formats, including large print (text), Braille and on audio tape/CD.

To request an alternative format please contact Laura Roberts:

Tel: **029 2087 4455**

Email: RobertsL9@cardiff.ac.uk

CARDIFF
UNIVERSITY

PRIFYSGOL
CAERDYDD

To find out more about the
School of Medicine please visit
our website:

www.cardiff.ac.uk/medicine

Contact us

Tel: **+44 (0)29 2068 8113**

Email:

medadmissions@cardiff.ac.uk

School of Medicine

Cardiff University
Cochrane Building
Heath Park
Cardiff CF14 4YU

Stay in touch

 CardiffC21

 @CardiffMBBCh21
@cardiffuniug

Student life

Got questions about student life?
Get them answered at:

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

Want to know more about life at
Cardiff University? Our student
bloggers are recording their
experiences and are happy to
answer your questions.

Our student bloggers are real
students studying on a range of
courses. They are here to answer
any questions you have about life at
Cardiff University. What's a typical
day like? What clubs and societies
are there? Is Cardiff's music
scene any good? It can be almost
anything.

MEDIC/1019/3000

Illustration:
The Beautiful Mind by Amanda Prior



THE QUEEN'S
ANNIVERSARY PRIZES
FOR HIGHER AND FURTHER EDUCATION
2017

