School of Medicine

Undergraduate Degree Programmes

Entry 2023

www.cardiff.ac.uk/medicine
Welcome

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

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

**Potential entry to the second year of the five year Cardiff Medicine course after your first degree.**

**Final Year students** carry out unique research projects. The majority are “hands on” but other exciting options include safety in prescribing, bioinformatics and systematic reviews in the clinical setting.

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

**Award-winning teachers and thought-provoking techniques.**

**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.

**Medicine A101/A102**

**Year One module** has three virtual “patient cases” around therapeutics, toxicology and Substance Use Disorder 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**

**Medicine**

**Medical Pharmacology**

**Medicine**

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

“I was supervised by the best people in their field!”

Dr Poorya Moghbel, Medical Pharmacology graduate

“Coming to Cardiff has opened up a limitless number of doors. I’ve been able to get involved with so much that has grown my character and enriched me as a person.”

Luke Morgan, Medical student

95% of our students found their course intellectually stimulating.

NSS satisfaction 2021

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

95% of our students found their course intellectually stimulating.

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
Adapting to the challenges of a changing world 8
Typical 2021/2022 C21 Student Journey 10
What our people say 11
Learning and teaching 12
A flexible curriculum 14
MBBCh admissions 16
Our facilities 18
Elective 20
FAQs 22
Postgraduate foundation training programme 23
What our people say 24
The Medical Pharmacology BSc Programme 25
Life outside Medicine 26
Research 29
A capital city 30
A leading university 33
Living in Cardiff 34
Applications 35
How to find the School 37

Keep an eye on:
www.cardiff.ac.uk/medicine/courses/undergraduate/open-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 and Head of School
Since 1893 we have trained the very best doctors and we pride ourselves on being at the cutting edge of medical learning.

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

The Students’ Union is here to support and enhance your student experience. We offer numerous services, both at Heath Campus and Cathays. The Union offers free independent advice on anything from Student Lettings to Academic Appeals. Join over 250 sport clubs and societies, including the highly prestigious Medics Teams and Societies! You can represent your peers, as a student academic representative or even as a Sabbatical Officer in the SU! There is plenty to get involved in. Please feel free to get in touch and have an unforgettable year!

Sebastian Ripley
Vice President Heath Park 2021-22
Cardiff University Students’ Union
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.

**Four year graduate entry programmes UCAS A101 and UCAS A102:**
For up to 10 graduates of each of our recognised feeder courses only: Medical Pharmacology; Biomedical Science (Cardiff University) and Medical Sciences (Bangor University or University of South Wales). 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?

**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.

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

Rachel Price
Medical student

What’s Case Based Learning (CBL)?
Pioneered by Cardiff, CBL is a small group approach to learning and teaching; it differs from PBL (Problem Based Learning) by providing clear learning outcomes and structured activities and resources to help you relate what you are learning about the case to the relevant science, clinical skills and background knowledge you will need as a qualified doctor.

You’ll study a series of clinical cases, one every fortnight or so. Let’s say the case involves an athlete with a knee injury; you’ll be offered supporting lectures and presentations on the mechanisms of inflammation and anti-inflammatory medications; in the anatomy centre you’ll explore the knee joint and musculature; on placement you may be in a physiotherapy clinic dealing with sporting injuries and you’ll learn how to examine a knee during clinical skills sessions. In addition, the small group sessions will help you learn important academic and professional skills such as research, teamworking, communication and critical appraisal.

**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.
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
- Early clinical experience opportunities will allow you to meet case-appropriate patients and NHS staff to complement your Case Based Learning.

---

**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 across Wales, 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 for three eight-week placements each year
- 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 13

---

The C21 spiral curriculum is one of the best parts of studying at Cardiff. The recurring themes across all years ensures we consistently solidify and revisit core topics, essential for future practice.

Eva Yuen, medical student
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 have access to advice, guidance and support from the University’s Student Life teams, and 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 My Medic service - previously called Medic Support. 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 [My Medic] kept everything confidential and they tailored the support to suit my needs.

Dr Jamie Plumb
Cardiff graduate
Adapting to the challenges of a changing world

We are fortunate at the School of Medicine in Cardiff University to have adaptable and innovative students and staff. Our goal is to ensure that C21 students continue to learn, whatever challenges come our way. Throughout the COVID-19 pandemic, we have worked in partnership with Welsh Government and our local university health boards, giving us confidence that we continue to do all that we can to keep our students and patients safe. Allowing C21 students to continue to learn in the clinical environment ensures that we continue to graduate excellent clinicians, who understand people and the environment in which we live.

Professor Rhian Goodfellow, C21 Director, School of Medicine

What can you expect your time as a medical student with us to look like?

Rising to the challenge of the COVID-19 pandemic required us to adapt our curriculum and teaching, often at short notice. As an innovative medical programme, we are able to react swiftly and efficiently to the latest Welsh Government advice while maintaining our high standards of teaching and learning. Whatever the continued changes we will see over the next few years, due to the pandemic or other challenges, we can promise you that you will still meet your learning outcomes across the length of your course.

During the pandemic, we worked to ensure that students were still able to attend placements safely. Innovations such as video consultations and online learning were used along with hands on clinical skills teaching on campus, while adhering to local regulations and safety measures. We made sure that assessments could be carried out in person, to ensure that students had the opportunity to demonstrate their skills and that they were progressing towards the goal of being an independent doctor. We also made sure that pastoral support was increased during this time, to support our students through this difficult period.

Your safety is paramount – in Years 1-2, we expect you to be learning in Cardiff, on campus or on placement, with a blend of learning opportunities such as face-to-face and eLearning. We also know this situation may change over time, so are prepared for our plans to change too. We look forward to doing this in partnership with you.

As the needs of the NHS changed during the first wave of COVID-19, staff and students at the School of Medicine developed innovative ways to tackle the effects of the virus.

While working during the height of the COVID pandemic, I have never been more thankful for the experience and teaching I have had over the years at Cardiff medical school. I have been struck by how communities, hospitals and student medics have pulled together to push through this pandemic.

Oluwabambi (Bambi) Babayemi

I worked on a surgical audit during the COVID-19 pandemic. This was a great opportunity to improve my Excel and data management skills and to get a publication under my belt. I felt like a very valuable part of the surgical team.

Cate Chapman

In Year three I spent six weeks at Llandough Hospital with the Patient Experience team. This role was a wonderful experience – mostly staying on the same ward helped me to get to know all of the staff across the care team, and to bond with patients over a longer period.

Eddy Hughes
Supporting our NHS through volunteering

C21 students undertook volunteer roles in hospitals and general practice within Wales, across the rest of the UK and outside the UK. The MEDIC C19 Volunteering Team (Dr Sarju Patel, Dr Liz Forty, Prof. Rhian Goodfellow, Joshua Patel, Olga Athanasiou and Louise Mills) created a database of nearly 1000 students ready to be deployed to healthcare providers who requested help. Final year C21 doctors and healthcare students were fast-tracked to support frontline NHS teams, with 223 medical students on SSA (Senior Student Assistantship) in hospitals until mid-May 2020, at which point they became Foundation Year 0 doctors. Many Year Three and Four students started work as medical student clinical assistants within the Welsh Health Boards, including supporting the clinical teams in ICU with patient care, phoning families for patients and communicating with relatives.

As vaccine supplies started to become available, C21 students lined up to vaccinate vulnerable members of the community. We are incredibly proud of our students, who have worked as vaccinators alongside their NHS colleagues in clinics, community halls, leisure centres, places of worship and myriad other sites across the country. As well as using their clinical skills to help deliver the vaccination programme, our students were able to help, advise and reassure individuals about the vaccine and its effects.

Intercalating student activity

Intercalated Population Medicine BSc students were given the opportunity to volunteer with Public Health Wales. Dr Huw Williams mobilised 40 past, present and future Emergency, Prehospital and Immediate Care intercalated BSc students, who were employed throughout the summer of 2020 as ‘medical student technicians and clinical assistants’ across eight Emergency Departments across Wales. Intercalated BSc Medical Education students, joining forces with MSc Medical Education students and MSc Critical Care staff, created PPE eLearning packages which have now been shared by other medical schools, healthcare trusts and hospitals across Wales, to other universities, postgraduate trainees and NHS staff.

Printing support

Around 16 MBBCh and intercalated students formed a printing group to support NHS Wales, before being joined by even more students. Working 9-5 shifts weekdays, they printed and sent out thousands of free A4 and A3 laminated COVID-19 posters to GPs and hospitals across Wales.

Training NHS staff

Dr Paul Frost, Sian Williams and the Clinical Skills team worked with a team of volunteer students who were teaching frontline workers how to use PPE. This team helped to train over 500 NHS staff members in four different University Health Boards in the essential skill of ‘donning and doffing’. About 40 students were also trained by the NHS to deliver teaching for both level 2 and level 3 PPE, including doing mask-fit-testing for over 1000 NHS Wales staff. Dr Frost also devised a COVID ward preparedness package, which the team delivered to C21 students and NHS staff across Wales: junior doctors, senior students, nurses, and returning GPs. The eLearning group also produced pre-course eLearning modules for this course.

Our Cardiff university Year 3 and 4 Medical students worked with us over the summer of 2020. I just wanted to say thank you to these brilliant students for stepping up and for doing such an amazing job! I could not be more proud of you all, you are a credit to your families, your university and to all of us and I have no doubt that our NHS will be safe in your hands for many years to come.

Mr Shakir Mustafa
Consultant Surgeon and Director of Medical Education, Cwm Taf Morgannwg University Health Board

Having volunteered to do my SSA block in my final year, it was a tad overwhelming starting on the COVID wards in Glan Clwyd hospital! I have to say though, the staff were so welcoming - I went from feeling like I was learning to swim in deep water, to feeling part of a team of strong COVID fighters. I reminded myself that whatever anxiety I may feel, it is nothing on the anxiety our patients felt battling this disease and in turn reminds me why I have chosen this incredible career. I am so proud to have been part of the NHS at this unprecedented time and I am eternally grateful to Cardiff University for getting me here.

Dr Eli Wyatt

Changing the way we practice medicine

Our students often effect change while they are still at university. You will have opportunities to get involved with many types of projects, like final year student, Dr Olamide Dada who worked on a review that has since changed NHS guidance.

Her work found that pulse oximeters, widely used in the fight against COVID-19, can overestimate the amount of oxygen in people who have deeper skin tones. Her report published by the NHS Race and Health Observatory in April 2021, showed that the devices may not be accurate when used on black or ethnic minority patients and directly led to a change in official NHS guidance in the hopes that it would address the disproportionate number of those patients severely affected by the virus.
The 2021/22 C21 student journey

Note: From 2024-25 all medical students graduating in the UK will also need to pass the GMC’s Medical Licensing Assessment (MLA, see p23). We will incorporate the MLA into your existing assessments wherever possible.
What our people 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.

---

Emmanuel Onyango
Year 4 medical student

**What do you like most about being a Cardiff med student?**
I really like the structure of the course. I find that everything we do, from early patient contact to Case Based Learning, helps us put the science and clinical skills we learn into context. It has helped me a lot in the way I approach patients and my own learning in the clinical years. As a result, I think my experience here will have a positive influence on how I treat patients in the future.

**What surprised you about studying in Wales?**
I was really surprised at how affordable Cardiff is as a city. Prices for accommodation and entertainment alike are very student friendly. Considering studying Medicine in Wales as a whole, I discovered that you receive amazing small group clinical teaching in more rural placements, which has been invaluable for my development.

**What advice about studying Medicine here would you give?**
Outside of studying, try to think about other ways you may want to grow and develop. You will have time to do additional things and it is so important to take opportunities that can help you learn other skills. Make sure to seek advice from older students; it will save you time and hassle in the long run.

---

Dr Thomas Grother
Cardiff graduate

**Why Intercalate?**
Cardiff has a number of Intercalation options for third and fourth year students, an opportunity to study a topic you find interesting in greater depth. I intercalated in Medical Education because the modules were applicable to my future ambitions. I learnt the theory underpinning medical education and developed my skills as a tutor with the Clinical Skills team. I also completed a project then published in a medical journal.

**What do you think of CBL?**
I found CBL to be a perfect mix of PBL and traditional learning. Each fortnight a small case group discusses a ‘patient’ and explores topics around the case. A case facilitator supports the group, helping keep you on track to achieve all learning outcomes. These fortnight blocks also include plenaries, anatomy centre sessions and placements. It’s challenging but you have fun: some groups even rename it ‘Cake’ Based Learning, with a rota between them to bring cake.

**What are the benefits to having a Cardiff MedSoc family?**
When you arrive at Cardiff, you are paired with another first year med student and two second year med students to form a ‘Medic Family’. During the first week of studies, your parents take you on a tour of the University, answering any questions you have, now and throughout the year. Many Medic families stay in touch - I’m still in touch with my Medic children (and grandchildren) even as a doctor.

---

Tilly Ellis
Year 5 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.

Your learning will take place through a range of different means, to help you become the best doctor you can be and to adapt to the needs and requirements of our changing world. Some of your learning will take place through video conferencing, allowing you convenient access to the very best clinical expertise and teaching regardless of geography or time differences.

Peer-Assisted Learning (PAL) 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 will have early clinical exposure with patients and clinicians from your first year, gradually going further afield for longer placements, with increasing responsibility as part of a medical team. By your third 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. Your development is overseen by NHS staff and GPs, who will provide regular constructive feedback and teaching.

Simulated Road Traffic Accident

This gives all Year Two students the opportunity to experience the excitement and unique challenges healthcare practitioners face on a daily basis. The Emergency services simulate 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.

Tailor your medical degree

The School of Medicine is continually looking to enhance the student experience. The Community and Rural Education Route (CARER) gives some Year Three students the opportunity to spend a whole year embedded in a more rural community, mostly in primary care in northwest Wales. 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 MBCh. Students successfully completing Year One of the A100 programme based in Cardiff may also apply to complete their MBCh 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 continue 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. From Year 2, our ‘single best answer’ multiple choice-style progress tests will assess your knowledge three times a year, reassuring both you and us that your learning is on track. 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 MBCh (with Honours or Commendation for high achievers).

Learning and Teaching Activities

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course title</th>
<th>Year</th>
<th>Scheduled %</th>
<th>Independent %</th>
<th>Placement %</th>
</tr>
</thead>
<tbody>
<tr>
<td>A100</td>
<td>Medicine (MBCh)</td>
<td>1</td>
<td>47</td>
<td>43</td>
<td>10</td>
</tr>
<tr>
<td>A100/A101/A102</td>
<td>Medicine (MBCh)</td>
<td>2</td>
<td>53</td>
<td>40</td>
<td>7</td>
</tr>
<tr>
<td>A100/A101/A102</td>
<td>Medicine (MBCh)</td>
<td>3</td>
<td>27</td>
<td>20</td>
<td>53</td>
</tr>
<tr>
<td>A100/A101/A102</td>
<td>Medicine (MBCh)</td>
<td>4</td>
<td>27</td>
<td>20</td>
<td>53</td>
</tr>
<tr>
<td>A100/A101/A102</td>
<td>Medicine (MBCh)</td>
<td>5</td>
<td>17</td>
<td>25</td>
<td>58</td>
</tr>
</tbody>
</table>

Percentages are not listed here as the ratio depends on a student's choice of modules. Learning and Teaching Activities statistics may need to change in response to current healthcare challenges. However, we are a flexible course and your learning outcomes will be achieved by the time you graduate.
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 120 students choose to intercalate, subject to academic performance, after Years Three or Four
- 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

**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 MBChB 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.

**Language skills open doors**
Confidently treating patients who mainly speak another language is a valuable transferable skill for doctors. We will support you to do this well, with bilingual Wales as your classroom and a range of optional language courses.

**Welsh speaker? Croeso i C21**
You can choose to study many elements of your degree in Welsh, including CBL small group work, many placements and assessments and some lectures, with the number of opportunities constantly increasing.

**Don’t just take our word for it . . .**

I volunteered in my CARER GP practice during the Covid outbreak, making phone calls to patients about their shielding letters from the government. It was a challenging role, talking to our distressed patients who were scared of what their future might hold. Nonetheless, I am grateful to have handled such difficult conversations at this stage in my training, which will stand me in good stead for future practice.

Freya Crispin, medical student

I volunteered in my CARER GP practice during the Covid outbreak, making phone calls to patients about their shielding letters from the government. It was a challenging role, talking to our distressed patients who were scared of what their future might hold. Nonetheless, I am grateful to have handled such difficult conversations at this stage in my training, which will stand me in good stead for future practice.

Freya Crispin, medical student

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

Gwenllian Rhys, medical student

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.

Dr Zarabeth Newton, Year 1 Director

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

Amelia Guy, medical student

I’ve never fit 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 I am free for a chat over a cup of tea.

Hannah Beetham, medical student

**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

**Gyda phwyslais cynnar ar brofiadau cliniol 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 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.

Dr Zarabeth Newton, Year 1 Director

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

Amelia Guy, medical student

I’ve never fit 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 I am free for a chat over a cup of tea.

Hannah Beetham, medical student

**Language skills open doors**
Confidently treating patients who mainly speak another language is a valuable transferable skill for doctors. We will support you to do this well, with bilingual Wales as your classroom and a range of optional language courses.

**Welsh speaker? Croeso i C21**
You can choose to study many elements of your degree in Welsh, including CBL small group work, many placements and assessments and some lectures, with the number of opportunities constantly increasing.
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](http://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](http://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 GCSE grades to enable you to be considered for all courses are English Language 6 (B), Mathematics 6 (B), either Double Award Science 66 (BB) or 66 (BB) in Chemistry and Biology. If you offer a range of 9/8/7 (A*A) grades within your application you are competitive and we would encourage you to apply.

You will be given points for your achieved qualifications. Points are awarded for nine GCSE subjects which must include the subjects mentioned above. Achieved A-level grades and honours degrees give you additional points.

<table>
<thead>
<tr>
<th>GCSEs</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>9, 8, A*</td>
<td>3 points</td>
</tr>
<tr>
<td>7, A</td>
<td>2 points</td>
</tr>
<tr>
<td>6, B</td>
<td>1 point</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A-level</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A*</td>
<td>3 points</td>
</tr>
<tr>
<td>A</td>
<td>2 points</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Degree</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:1 Honours Degree (minimum GCSE &amp; A-level grades required)</td>
<td>27 points in total</td>
</tr>
</tbody>
</table>

The maximum points you can achieve are 27. The cut-off score for interview varies each year as it will depend on the competitiveness of all the applications.

Welsh students are under-represented within Medicine and therefore applicants who are Welsh domiciled will be given additional consideration.

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 Advanced Skills Challenge Certificate in lieu of a third A-level. General Studies and Critical Thinking are not accepted.

Graduates
If you are applying for the A100 programme with a degree or a PhD 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. Applicants with a PhD need to meet the minimum GCSE requirements and have BBB/ABC at A level.

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 to include two science subjects. This must include at least one of Biology and Chemistry at Higher Level (if both subjects are not offered then the second subject must be one of Physics and either Mathematics or Statistics) 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](http://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 (Hons) 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)

You will be required to sit the University Clinical Aptitude Test (UCAT) anytime between July and October in the same year as application.

Find out more about the UCAT by visiting the website: www.ucat.ac.uk.

We do not have a minimum score for the UCAT, however the score may be used as part of the selection process.

Non-Academic Entry Requirements

Your personal statement and reference will 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 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.
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 focuses on mastering the 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 distinctive building, with its eye-catching coloured hexagonal glass front, there has been a large investment in 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. Language doesn’t have to be a barrier as Cardiff University offers intensive courses and language advisors who can help you learn or improve upon existing languages.

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 pediatrics 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
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**

---

**“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 except English Language which has no time limit for resit. 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/public-information/students-applicants/admissions-policies

What is an Admissions Policy and why should I read it?
All medical schools have different rules about what makes a good application. Reading Admissions Policies for courses you are interested in will help you to make great choices when it is time to apply: www.cardiff.ac.uk/public-information/students-applicants/admissions-policies

Does Cardiff accept transfers onto the course?
Transfers may be considered for Medical Pharmacology. Please contact the Admissions Tutor, Prof 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 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.

Can I study abroad?
Your elective can be almost anywhere in the world. We are also delighted to introduce our European Exchange Scheme, which replaces Erasmus for our students. We are hoping there will be little change from Erasmus, and much work is happening to give you the best possible experience if you opt to be part of this Year Four scheme.
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. The MLA will be part of your medical school examinations.

You can find out more about the MLA for UK students at [www.gmc-uk.org/mla](http://www.gmc-uk.org/mla)

As a graduate, you will be expected to complete the two year Foundation Programme. 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.

Up-to-date information on the UK Foundation Programme is available on [foundationprogramme.nhs.uk](http://foundationprogramme.nhs.uk)

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.

Information on registration can be found on [www.gmc-uk.org/registration-and-licensing](http://www.gmc-uk.org/registration-and-licensing)

More information can be found on [www.medschools.ac.uk/studying-medicine](http://www.medschools.ac.uk/studying-medicine)
What our people say . . .

Dr Uroosa Kabeer
I am a Senior Lecturer in Community Clinical Learning, a GP tutor and a CBL facilitator with over 20 years teaching experience on the Cardiff Medicine programme.

Why do you teach undergraduates?
As a CU graduate, teaching Cardiff medical students is close to my heart. C21 constantly innovates and improves and, as a GP educator, I can contribute to that but also benefit as a professional. I enjoy teaching my students but, as Medicine is teamwork, I learn from them too.

What do you enjoy most about teaching here?
I get great satisfaction from supporting students on their learning journey, in groups and as individuals. Helping our students develop personal and professional qualities they will need as junior doctors is very rewarding. I particularly enjoy watching them use their knowledge and skills with patients in clinical settings.

What can your students expect from you?
I am a GP educator whose own children are studying Medicine, so students can expect a caring, compassionate teacher who recognises and emphasises the challenges faced by doctors of the future. I take pride in providing the theoretical scientific teaching essential to our curriculum, plus guidance on getting the most from assessments. As a writer of exam questions, I can provide insights that help our students target their studies. I also provide practical and technical training, helping our students to improve their consultation and diagnostic skills.

Dr Ceri Evans
I am Year 3 Director and a consultant old age psychiatrist.

Why do you teach undergraduates?
As a clinical academic, I combine the most rewarding aspects of my work: patient care and education. Cardiff medical students are the brightest and best. My teaching role is often more about facilitating learning than transfer of knowledge. Their enthusiasm and commitment is infectious; I learn as much from them as they do from me. I always tell them that – I’m not sure they believe me but it’s true!

What can your students expect from you?
I think I am approachable, enthusiastic and student-centred in thinking about education. My knowledge of mental health and psychology means I try to ensure students always consider psycho-social aspects of a patient’s condition. This also helps me to help Year 3 students in need of support.

What makes Wales stand out?
Clinical placements across Wales create a rich student experience. Students can apply to spend Year 3 in primary care, as a fulltime member of the clinical team. This experience is not available in many medical schools. Wales is bilingual and a unique aspect of medical training here is the choice to study through the medium of Welsh. All of our students learn to communicate with patients despite language differences – a useful transferable skill to take you anywhere in life.

Miss Awen Iorwerth
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 Aaron Wong
I am a Consultant Cardiologist and General Physician and Honorary Lecturer.

Why do you teach undergraduates?
Better medical education improves healthcare. I feel honoured to help my students form a strong clinical foundation for their career and find teaching them exciting, fulfilling and rewarding. I want to help them develop into influential leaders and passionate doctors who love to treat the patient as well as the disease.

What can your students expect from you?
As well as the science, I aim to be a role model, helping my students learn how to communicate with patients and family and to lead and support other team members. I treasure every encounter with my students and work hard to “make each teaching count”. My teaching style adapts to their needs and my sense of humour and relaxed approach help us to connect.

What makes Cardiff stand out?
C21 graduates have been supported by dedicated, outstanding educators in Cardiff and across Wales, and this shows. They have had clinical experience from their earliest years, on a course where learning Medicine is fun and interactive. Using clinical and non-clinical information, they are able to “solve the puzzle” (make the right diagnosis), which builds a sense of personal achievement and confidence.
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 across the 4 year Graduate Entry Medicine (UCAS A101 Cardiff/A102 Bangor, north Wales) schemes, allowing graduates of this BSc programme to go on to become medical 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
- Placement

### 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.

Your time in Year One will be divided between our two campuses, with 100 credits of teaching in Cathays and 20 credits at Heath Park.

#### 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. Those students taking the Clinical Anatomy module (spaces limited) will have 20 credits of teaching in Cathays and 100 credits at Heath Park.

#### 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 on the Heath Park Campus, working with active researchers. Some final year students also undertake projects elsewhere in the University.

---

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).

For more information contact:

Prof Derek Lang, Admission Lead
email: [langd@cardiff.ac.uk](mailto:langd@cardiff.ac.uk)

---

You really feel supported by members of staff.

Frank Frayne
Medical Pharmacology student
Life outside your studies

This is just a taster of our student societies.
For more go to: www.cardiffstudents.com/activities

First Responders
Cardiff Medics Community First Responders recruits medical students in their third year or above to train as Welsh Ambulance Service First Responders, responding to 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.

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.

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

The Wilderness and Expedition Medicine 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 Mentoring 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

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 follow ‘Cardiff MedSoc’ on Facebook, Instagram and Twitter.

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.
Healthcare Drama Society

Cardiff Healthcare Drama Society is the society for anyone doing any course, who loves all aspects of drama. We are welcoming of people with all levels of experience and have offered a wide range of projects to excite anyone interested in performing arts.

In recent years we have written and performed four original musicals and orchestrated several COVID-19 friendly projects to stay engaged with drama in a safe way. These projects included our Musical Writing Project where a small group of members collaborate to create the next musical for our society to perform, and CAYA (Come As You Are) dancercise with a variety of dance styles for all levels of dance experience. We also created an original HDS podcast ‘Losing the Plot’ where we showcase excerpts of radio plays performed by our members.

You can get involved in all of our projects in virtual and socially-distanced ways, meaning COVID-19 could not stop us from producing some creative, exciting drama.

Finally, we are, of course, working on lots of socials, socially-distanced when necessary.

Cardiff Healthcare International Perspectives Society (CHIPS)

Cardiff Healthcare International Perspectives Society (CHIPS) is a community of students keen to educate and support our future healthcare leaders. Starting with our annual Welcome Evening, we organise social events to provide international students with opportunities to make new friends and to embrace their culture. The society also prides itself in delivering high-quality teaching in the preclinical and clinical sciences. Established in 2018, CHIPS has since pioneered national and international events which have reached out to over 40,000 healthcare professionals globally. CHIPS is well-known for making students from all over the world feel at home in Cardiff. Everyone has a place in CHIPS!

It is so affordable! To this day I still can’t believe how little it costs a Cardiff University student to go to the cinema! The accommodation and food prices are fantastic compared to other places like London where you would be paying double the amount!

Ellen Nelson-Rowe, medical student

ACMA Cardiff

ACMA Cardiff is a student society whose mission is to promote good race relations and equality of opportunity within our medical school, the healthcare profession and the wider community in Wales. We aim to inspire and equip more African Caribbean students to apply to Medicine, through our outreach and mentorship scheme. We help our members accomplish career aspirations by supporting their learning and providing networking opportunities. Additionally, we work closely and collaboratively with our medical school to improve experiences of race & diversity in all aspects! For more information, go to www.acmacardiff.co.uk
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.

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

Complete University Guide
A leading university

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:

virtualtour.cardiff.ac.uk

“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
Living in Cardiff

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.

“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

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-dYlFB8

Students’ Union
facebook.com/cardiffstudents
snapchat.com/add/cardiffstudents
instagram.com/cardiffstudents
@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
Please find our entry requirements on pages 16 and 17 of this brochure. For the latest information check our website:
www.cardiff.ac.uk/medicine/courses

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, C21 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 £1500 scholarship through the Coleg Cymraeg Cenedlaethol if you study at least 30% of your degree through the medium of Welsh. For C21 students, this means Welsh CBL, some assessments and placements, all of which will support you to qualify as a confident bilingual doctor. More details can be found here: https://www.colegcymraeg.ac.uk/cy/astudio/cymorthariannol/ysgoloriaethmeddygaeth

We offer Welsh and bilingual admissions interviews and some of the student residences have been allocated for Welsh speakers and learners.

Don’t just take our word for it…
The Welsh language opportunities in Cardiff med school make it truly stand out from other med schools. Mae’r cyfleoedd o fewn Ysgol Feddygaeth Caerdydd i weithio drwy gyfrwng y Gymraeg yn gwneud i’r ysgol wir sefyll allan o gymharu à ysgolion meddygol erall.
Moli Roberts, medical student
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
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.
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
Facebook: @CardiffC21
Twitter: @CardiffMBBCh21, @cardiffuniug

Student life
Got questions about student life?
Get them answered at:
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.

Artwork by Cardiff medical student Abhay Ghaiwal