

# Medicine and Surgery MChB

## COURSE DETAILS

- A level requirements: [AAA](#)
- UCAS code: A100
- Study mode: Full-time
- Length: 5 years

## KEY DATES

- Apply by: [15 October 2022](#)
- Starts: 25 September 2023

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## Course overview

Study medicine at Liverpool and prepare to deliver outstanding patient care, in both current and future healthcare systems. Learn how to apply a compassionate, evidence-based and patient-centred approach to your clinical practice as a doctor.

### INTRODUCTION

Your interest and skill in medical scholarship will be actively developed with us, underpinned by a vision to harness expertise from far and wide. You'll learn the necessary knowledge, skills and professional behaviours to safely and ethically practice medicine.

Our students benefit from GP-led small group teaching sessions, access to some of the best specialist clinical units in the UK, and enhanced learning opportunities through our state-of-the-art facilities.

We ensure our graduates are able to meet the core requirements set out by the General Medical Council, and become lifelong learners committed to their own professional development.

#### Programme in detail

The curriculum is delivered under a spiral model, under which concepts are introduced at an appropriate level, and revisited with increasing levels of complexity as the course progresses.

The curriculum is organised and delivered through a number of supra-themes, which fall into specifically defined themes.

In years one and two, all students follow the same lecture timetable, and are allocated to smaller groups for workshops, seminars and practical skills (eg clinical skills and anatomy) sessions. All teaching in year one takes place on the University of Liverpool campus.

Throughout years two–five students undertake clinical placements. Local NHS Trusts, GP practices, hospices, specialist services and community services deliver the placement components of the programme. Each hospital placement takes place at one, or more, of the North West hospital sites. During the course of their studies, students will be expected to rotate through the different clinical providers for variable lengths of time, dependent upon placement block requirements and length. This block rotational model has been designed to allow improved student ability in managing transitions and working across different clinical environments to help prepare them for junior medical postgraduate training.

### WHAT YOU'LL LEARN

- How to deliver outstanding patient care
  - The knowledge, skills and values essential for a confident medical career in a 21st-century healthcare environment
  - A core foundation in basic and clinical science
  - An understanding of the human body that will underpin your future skills
  - An understanding of how illness and disease presents in different settings
  - How chronic disease is managed within the community using a team approach
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# Course content

Discover what you'll learn, what you'll study, and how you'll be taught and assessed.

## YEAR ONE

The aim of the first two years is to ensure that students have established a core knowledge base, skills and understanding, fit for learning in the clinical environment and their future careers.

In years one and two, the emphasis of the programme's study is on basic and clinical sciences. These are taught using an integrated 'Systems' approach. Each System Block includes physiology, biochemistry, pathology, microbiology, immunology, pharmacology and anatomy, genetics and cell and molecular biology. The emphasis of year one teaching is on the structure and function of the human

body under 'normal' conditions. Teaching is delivered by lectures, practical and small group sessions and clinical skills sessions (where students will learn how to examine the components of the systems studied, as well as take part in simulation exercises). Communication for Clinical Practice sessions in small groups with simulated patients prepare students for the clinical placements. Students in year one also take part in a unique leadership development course, which is run in collaboration with 208 Field Hospital.

Please note that the programme detail listed is illustrative only and subject to change. The MBChB programme is non-modular programme, and all components of the MBChB are mandatory.

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*Programme details and modules listed are illustrative only and subject to change.*

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## YEAR TWO

In year two, the integrated 'Systems' teaching approach, begun in year one, is expanded to enable students to understand abnormality and illness-related change and the interaction with the environment. Secondary care placements also start in year two as an experiential programme, with specific hospital-based tasks, recorded in our e-portfolio, aimed at enabling student to integrate safely into the clinical

environment and begin to apply theoretical knowledge, skills and professional behaviour in clinical practice.

Alongside preparing students for clinical practice, the first two years of the programme also introduce students to the foundations of research.

*Programme details and modules listed are illustrative only and subject to change.*

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## YEAR THREE

Years three and four have an increasing focus on the application of skills learnt in the first two years of the programme into clinical practice, across a range of core and increasing complex clinical presentations and encounters.

In year three, students gain exposure to the key principles of medicine and surgery, with the focus on understanding core clinical concepts.

Students spend a series of four-week blocks on clinical placement, where each placement block is preceded by an 'Academic' week. This week incorporates approximately 1.5 days of lectures delivered to the whole cohort, and then rotation-specific teaching, eg pre-placement sessions, Community Clinical Teaching (Primary Care), clinical skills preparation, simulation sessions and time for student-led Research

and Scholarship projects. This 'Just in time' approach to teaching, which encourages students to revisit and develop knowledge and skills just before they are needed, prepares students to learn to recognise health problems, develop the skills needed to diagnose illness and disease, and manage patients.

Students rotate through a variety of integrated hospital and community-based settings in order to complete placements. Students are expected to participate fully in clinical care in these settings, both through timetabled activities and additional opportunities (in agreement with supervising clinical staff). All of these placements provide opportunities (and expectations) to work with clinical teams and care for patients in a variety of healthcare settings.

*Programme details and modules listed are illustrative only and subject to change.*

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## YEAR FOUR

In year four, the combination of academic weeks and placement blocks is again used to provide students with more specialist and challenging placement experiences, including a focus on mental health, specialist placements in neurology, paediatrics and obstetrics

and gynaecology and a nationally-recognised placement of excellence in palliative care.

At the end of year four, students are also able to undertake a four-week elective. Many students choose to study abroad during this period.

*Programme details and modules listed are illustrative only and subject to change.*

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## YEAR FIVE

The final year is spent gaining intensive clinical experience in hospitals and the community to students transition successfully and begin work as a doctor.

Students experience Emergency and Acute Medicine, Surgery, GP and Psychiatry placements during this year, and have a ward shadowing experience block that allows them to consolidate complex clinical skills and professional attributes required of them for their Foundation Year post. Students are also able to undertake a five-week research

project such as an audit or Quality Improvement Project, a community based project or a specialist placement of their own choosing.

Placement experiences are supported by academic "Preparation for Practice" weeks, support for the required national examinations and a full week of interprofessional simulation, ensuring students are able to demonstrate the skills need to deliver complex, acute care within a multi-professional team.

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## **HOW YOU'LL LEARN**

The School uses an integrated teaching model. The learning of medical sciences is enhanced by the clinical context of a systems-based approach. The development of understanding of clinical practice is supported by a 'just in time' model of academic weeks that relate to each clinical placement and case-based teaching within each placement. Specialist clinical centres from across the region provide students with a wide range of exceptional placement experiences during which students complete structured learning activities as well as taking advantage of near patient learning opportunities.

The School is at the forefront of technology enhanced learning, utilising mobile learning, virtual reality, simulation and a personalised e-portfolio to provide our students with the best possible experience and prepare them for the technological developments that will shape their future careers in healthcare.

We take the development of clinical leaders seriously and use a programme of experiential learning opportunities to develop students' leadership and followership skills in a range of situational contexts.

The remainder of the course is delivered using a mix of interactive and didactic lecturing; case based learning, small group teaching, clinical skills and simulation workshops, Human Anatomy Resource Centre (HARC) sessions, communication skills practicals and a staged programme of research skills development.

The breadth of learning and teaching activities used within the Medical School ensures students have the underpinning knowledge and skills to become the safe clinical practitioners of tomorrow.

## **HOW YOU'RE ASSESSED**

Both formative and summative assessment take place within the programme. There is an emphasis on assessment for learning through the use of subject specific tests such as quizzes, anatomy spotters and formative Objective Structured Clinical Examinations (OSCEs).

Summative assessment takes place at the end of each year and includes written papers and practical exams in the form of OSCEs and LOCAS.

We use technology to facilitate online marking and annotated feedback of written assignments, deliver formative online tests for students at the end of each teaching block and collate and deliver OSCE data, providing students with more useful feedback as a result.

A bespoke electronic portfolio, integrated throughout the curriculum provides students with a personalised learning space where they can collect evidence and develop their skills through reflective activities. The e-portfolio charts the student learning journey over the course of the programme.

## **LIVERPOOL HALLMARKS**

We have a distinctive approach to education, the Liverpool Curriculum Framework, which focuses on research-connected teaching, active learning, and authentic assessment to ensure our students graduate as digitally fluent and confident global citizens.

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## Careers and employability

Our programmes are for individuals who wish to become qualified medical practitioners. A diverse range of careers are open to you as a medical graduate, varying from medical science, perhaps laboratory-based research, through public health and the development of health care strategies to clinical practice in the hospital and community.

**99%** OF MEDICAL STUDENTS FIND THEIR MAIN ACTIVITY AFTER GRADUATION MEANINGFUL.

*Graduate Outcomes, 2018-19.*

### PREPARING YOU FOR FUTURE SUCCESS

At Liverpool, our goal is to support you to build your intellectual, social, and cultural capital so that you graduate as a socially-conscious global citizen who is prepared for future success. We achieve this by:

- Embedding employability within your curriculum, through the modules you take and the opportunities to gain real-world experience offered by many of our courses.
- Providing you with opportunities to gain experience and develop connections with people and organisations, including student and

graduate employers as well as our global alumni.

- Providing you with the latest tools and skills to thrive in a competitive world, including access to Handshake, a platform which allows you to create your personalised job shortlist and apply with ease.
  - Supporting you through our peer-to-peer led [Careers Studio](#), where our career coaches provide you with tailored advice and support.
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# Fees and funding

Your tuition fees, funding your studies, and other costs to consider.

## TUITION FEES

Tuition fees cover the cost of your teaching and assessment, operating facilities such as libraries, IT equipment, and access to academic and personal support. [Learn more about tuition fees, funding and student finance.](#)

<b>UK fees</b> Also applies to Channel Islands, Isle of Man and Republic of Ireland	
Full-time place, per year	£9,250
Year in industry fee	£1,850
Year abroad fee	£1,385

<b>International fees</b>	
Full-time place, per year	£39,250

*Fees stated are for the 2023-24 academic year.*

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## ADDITIONAL COSTS

We understand that budgeting for your time at university is important, and we want to make sure you understand any course-related costs that are not covered by your tuition fee. This includes the cost of a stethoscope, travel to placements, and any additional sets of scrubs.

Find out more about the [additional study costs](#) that may apply to this course.

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## SCHOLARSHIPS AND BURSARIES

We offer a range of scholarships and bursaries to help cover tuition fees and help with living expenses while at university.

[Scholarships and bursaries you can apply for from the United Kingdom](#)

Select your country or region for more scholarships and bursaries.

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# Entry requirements

The qualifications and exam results you'll need to apply for this course.

Please note that individuals applying to our Medicine programmes must consult [our full guidelines](#).

Please note: Graduates applying to the A100 programme are subject to different entry criteria. You are currently required to have taken GAMSAT. For further details please see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

## Compliance with GMC Guidance: Achieving Good Medical Practice

In the interests of public safety, and your own best interests, information pertinent to your educational achievements and to your fitness to practise may be shared by Liverpool Medical School with training providers, employers and regulatory organisations. In the event of termination of studies, student details are shared with regulatory bodies and other medical schools via the MSC Excluded Students Database. Any offer for the medical programme will be conditional on applicants having disclosed any previous fitness to practise findings against them.

Your qualification	Requirements <a href="#">About our typical entry requirements</a>
A levels	<p>AAA, to include Chemistry together with either Biology, Physics or Mathematics and a third academic subject. Alternatively A*AB also accepted but the A* A grades must include Chemistry together with either Biology, Physics or Maths; and a B grade required in the third academic subject.</p> <p>Please note 2020 calculated grades are considered to be equivalent to A-level grades</p> <p>If you don't meet the entry requirements, you may be able to complete a foundation year which would allow you to progress to this course.</p> <p>Available foundation years:</p> <ul style="list-style-type: none"> <li><a href="#">Foundation to Human and Animal Health Professions (Medicine) (Year 0)</a>, MBChB</li> </ul>
GCSE	<p>9 GCSEs attained by the end of Year 11 which must include English Language, Mathematic, Biology, Chemistry, and Physics (or Core &amp; Additional Science, combined or triple science) at minimum grade B/6. A minimum score of 15 points from the best 9 GCSEs or equivalents (where A*/A/7/8/9 = 2 points; B/6 = 1 points). BTEC (Non-Science) Level 2 and OCR awards (Distinction*/Distinction = 2 points) BTEC (Non-Science) Level 2 and OCR awards (Merit = 1 point). Two points is the maximum score awarded in each subject area (e.g. only one of Maths and Further Maths). No more than two Level 2 BTEC qualifications or OCR awards will be considered as part of the 9 GCSEs/equivalents. These cannot be used as replacements for English Language, Maths and Science subjects. I.e. a minimum of 7 full GCSEs required</p>
Subject requirements	<p>A levels in three subjects taken at one sitting, usually after 2 years of study: at a minimum of AAA Chemistry together with either Biology, Physics or Mathematics and a third academic subject. Alternative offer conditions may apply.</p>
BTEC Level 3 National Extended Diploma	<p>Not acceptable in lieu of A levels.</p>

Your qualification	<b>Requirements</b> <a href="#">About our typical entry requirements</a>
International Baccalaureate	<p>36 points overall (at first sitting): Higher level (HL) a minimum of 6,6,6 to include Chemistry together with either Biology, Physics or Mathematics and a third academic subject. 5,5,5 at standard level (subjects not offered at HL)</p> <p>Alternatively, 36 points overall (at first sitting): Higher level (HL) a minimum of 7,6,5 but the 7 and 6 grades must include Chemistry together with either Biology, Physics or Mathematics in any order and 5 in a third academic subject. 5,5,5 at standard level (subjects not offered at HL)</p> <p>Generic advice on equivalency of your qualifications can be accessed above. However we advise that all international/EU applicants must consult our specific guidelines which can be found on our web-site at <a href="https://www.liverpool.ac.uk/medicine/study-with-us/undergraduate/admissions-information/">https://www.liverpool.ac.uk/medicine/study-with-us/undergraduate/admissions-information/</a></p> <p>Many countries have a different education system to that of the UK, meaning your qualifications may not</p>
European Baccalaureate	83% average with no less than 83% in Chemistry and 83% in either Biology, Physics or Mathematics.
Irish Leaving Certificate	Six Higher Level subjects must be offered at a single sitting. Grades of H1 in two subjects to include Chemistry and either Biology, Maths or Physics. Grades of H2 in four further academic subjects. Subjects offered must include English Language, Biology, Maths or Physics if these subjects are not offered at GCSE equivalent (at a minimum of grade B/6).
Scottish Higher/Advanced Higher	<p>Minimum of SCQF level National 5 (Intermediate 2) in Biology, Chemistry, Physics, English Language, Mathematics, and at least two others attained by the end of S4.</p> <p>Highers (SCQF level 6) in five subjects taken at one sitting after 1 year of study: comprising Chemistry and one of either Biology, Physics and Maths; minimum of AAAAB.</p> <p>Advanced Highers (SCQF level 7) in Chemistry and one of either Biology, Physics and Maths at grades AA.</p>
Welsh Baccalaureate Advanced	The Advanced Welsh Baccalaureate Skills Challenge Certificate is accepted in lieu of a third academic subject.
Cambridge Pre-U Diploma	D3, D3, M1 acceptable in principal subjects with D3 in Chemistry together with one of Maths, Biology or Physics. M1 usually acceptable in third academic subject. Up to two A levels at A grade may be substituted for Principal Subjects.
AQA Baccalaureate	A (Chemistry); A (Biology); A (third A level).
Access	Specified Access to Medicine courses acceptable (see <a href="#">our Admissions page</a> for more information).
Work Experience Requirements	If applying to our medical school you are advised, as a minimum, to read the 'statement on the core values and attributes needed to study medicine' and 'work experience guidelines for applicants to medicine'. These guidelines can be accessed via the Medical Schools Council web-site. In response to COVID-19 'Guidance on gaining relevant work experience to study medicine during the pandemic' has been created.
Duty of Care	Applicants to programmes in the School of Medicine should be aware that the professional body governing the practice of medicine (The General Medical Council) has specific requirements relating to the protection of both staff and patients. Students will be required to undertake an enhanced Criminal Records Bureau (CRB) check, undergo an occupational health check and be tested for and/or immunised against a range of infectious diseases prior to patient contact. See the <a href="#">General Medical Council website</a> and the <a href="#">archived Department of Health guidance document</a> .

Your qualification	Requirements <a href="#">About our typical entry requirements</a>
International qualifications	<div data-bbox="935 271 1492 333" style="border: 1px solid #ccc; padding: 5px; text-align: center;">Select your country or region to view specific entry requirements.</div> <p data-bbox="327 383 1442 434">Many countries have a different education system to that of the UK, meaning your qualifications may not meet our entry requirements.</p>

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### ALTERNATIVE ENTRY REQUIREMENTS

- If your qualification isn't listed here, or you're taking a combination of qualifications, [contact us](#) for advice
- [Applications from mature students](#) are welcome.

