

BSc (Hons)

Acute, Critical and Emergency Care (ACE Care)

Study mode

Full-time

Duration

1 year

Apply by: **30 June 2026**Starts on: **28 September 2026**

About this course

The ACE Care programme is a one-year intercalated BSc honours degree aimed at intercalating medical students and will provide students with the opportunity to develop in depth applied knowledge, clinical practice, research skills and professional behaviours in the highly connected fields of Acute Medicine, Critical Care (including ITU Medicine), Emergency Medicine and Trauma Care.

Introduction

This course will deliver a clinical research learning and placement-based experience that encapsulates the key areas of each speciality, whilst ensuring deep understanding of the inherent linked nature of the specialties with authentic assessment.

The programme will be delivered through a blended process incorporating, lectures, online learning, clinical research and placement-based learning opportunities with authentic assessments, papers, posters and oral presentations. In addition, you will develop the qualities and transferable skills necessary to make decisions in complex and unpredictable contexts; and learn how to communicate information, ideas, problems and solutions in support of patient-based medicine in the ACE environment.

In the core modules students will learn about clinical research, the interconnected ACE specialties which will also included some cross over into aspects of urgent and critical: trauma, anaesthesia, surgery, neurology, paediatrics and clinical imaging. Students will also undergo a clinical placement in one of the specialist ACE or ACE related areas within an NHS Acute Trust, working within clinical teams to apply knowledge, perform and develop clinical skills and learn (and demonstrate) professional behaviours, high intensity clinical practice situations. Student engagement and progress will be assessed by portfolio, guided reflection, alongside separate research components, which are coordinated and associated with the clinical placement, aligning with principles of the Liverpool curriculum, including authentic assessment. The assessment strategy is intended to be progressive, building on students' learning, developing critical thinking.

This is an innovative programme in that it offers you the opportunity to experience aspects of Emergency Care medicine and the opportunity to take your first steps into clinical research in these areas.

Please note: This programme is a hospital based experiential programme and the supervisors are NHS clinicians working in the Acute, Critical Care, Trauma and Emergency Medicine areas, in exceptional circumstances (e.g. global pandemics), a student who is offered a place on the Acute, Critical and Emergency Care BSc will be offered a place on the MRes Clinical Sciences programme if we are not able to run ACE Care.

Who is this course for?

This course is for intercalating medical students who wish to develop their knowledge and understanding of Acute Medicine, Critical Care (including ITU Medicine), Emergency Medicine and Trauma Care.

Please contact us by emailing ACE.Medicine@liverpool.ac.uk to discuss your application before applying.

What you'll learn

- Key clinical skills for high intensity clinical situations
- Specialist assessment and management of adult patients with emergency medical conditions
- Management of critically ill patients

- Specialist delivery of emergency medicine
- An understanding of the multi-disciplinary approach and decision-making processes to deliver optimal care to patients who have sustained physical trauma
- Role of clinical imaging in diagnosis and treatment of patients in the ACE environment

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Course content

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

Teaching block one

Teaching block one runs from September to winter break in December and includes the following modules:

- **MDSC260: Introduction to Clinical Research and Practice in the Specialty Clinical Environment**
In this module, students will be given an introduction to the underpinning knowledge and relevant clinical skills to support them on their entry into clinical research.
- **MDSC261: Clinical Imaging – Diagnostics**
This module is designed to provide students with an understanding of the different medical imaging modalities and how they are applied to the clinical management of patients.
- **MDSC262: Multi-Specialty Approach to Acute Patient Care**
This module has been specially developed to provide students with an understanding of how a multi-specialist approach is employed in the diagnosis and management of the acutely ill patient.

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

Teaching block two

Teaching block one runs from January to June and includes the following modules:

- **MDSC263: The Patient Care Experience (Placement)**
This module aims to provide students with work-based experience in a specialist clinical area (in an NHS Secondary Care Trust).
- **MDSC264: Intercalation Clinical Research Project**
The module provides an opportunity to undertake a clinical research project in a field of specialist practice. The project is taught in the style of a clinical supervisor-trainee interaction.

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

Teaching and assessment

How you'll learn

Teaching is delivered through a blended process incorporating, lectures, online learning, clinical research and placement-based learning opportunities with authentic assessments, papers, posters and oral presentations.

How you're assessed

Your engagement and progress will be assessed by portfolio, guided reflection, alongside separate research opportunities which are designed the clinical placement, aligning with principles of the Liverpool curriculum, including authentic assessment.

The assessment strategy is intended to be progressive, building on students' learning.

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.

The Liverpool Curriculum framework sets out our distinctive approach to education. Our teaching staff support our students to develop academic knowledge, skills, and understanding alongside our **graduate attributes**:

- Digital fluency
- Confidence
- Global citizenship

Our curriculum is characterised by the three **Liverpool Hallmarks**:

- Research-connected teaching
- Active learning
- Authentic assessment

All this is underpinned by our core value of **inclusivity** and commitment to providing a curriculum that is accessible to all students.

Careers and employability

This course is designed to enhance the career of all medical students, but it will be especially advantageous for any of the emergency specialties. More specifically the programme is designed to enhance the application of medical students for both foundation (PGY 1-2) and core training (PGY 3-5). The programme incorporates key experiences and skills that will enhance your future career applications. Specific design features of the course allow exciting research experience and opportunities and the possibilities of publications and conference presentations.

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Fees and funding

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

Tuition fees

UK fees (applies to Channel Islands, Isle of Man and Republic of Ireland)

Full-time place, per year - £9,790

Year in industry fee - £1,955

Year abroad fee - £1,465 (applies to year in China)

International fees

Full-time place, per year - £50,000

Year in industry fee - £1,955

Year abroad fee - £25,000 (applies to year in China)

The fees shown are for the academic year 2026/27. Please be advised that tuition fees may increase each year for both UK and international students. For UK students, this will be subject to the government's regulated fee limits.

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 paying for your studies.](#)

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 could include buying a laptop, books, or stationery.

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

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Entry requirements

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

Successful completion of 3 years of a GMC recognised undergraduate basic medical education degree programme, with applicants in good academic and professional standing. Selection will be via a composite score which incorporates relative academic performance, evidence of proactive active engagement in one of the specialist clinical areas or student society, or charity, or sport (personal or coaching) and personal statement.

Your personal statement should explain why you want to do the programme and what it will mean for you. It should also cover your active engagement with any of the activities listed above. This should be incorporated in 1 page A4 maximum (not including transcript). Arial 11pt minimum.

Please submit your transcript and personal statement by email to ACE.Medicine@liverpool.ac.uk.

GCSE

4/C in English and 4/C in Mathematics

International qualifications

[Select your country or region to view specific entry requirements.](#)

If you hold a bachelor's degree or equivalent, but don't meet our entry requirements, you could be eligible for a Pre-Master's course. This is offered on campus at the [University of Liverpool International College](#), in partnership with Kaplan International Pathways. It's a specialist preparation course for postgraduate study, and when you pass the Pre-Master's at the required level with good attendance, you're guaranteed entry to a University of Liverpool master's degree.

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.
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English language requirements

You'll need to demonstrate competence in the use of English language, unless you're from a [majority English speaking country](#).

We accept a variety of [international language tests](#) and [country-specific qualifications](#).

International Baccalaureate English A: Literature or Language & Literature

Grade 6 at Standard Level or grade 6 at Higher Level

International Baccalaureate English B

Grade 7 at Higher Level

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