

Acute, Critical and Emergency Care (ACE Care)

BSc (Hons)

COURSE DETAILS

- Study mode: Full-time
- Length: 1 year

KEY DATES

- Apply by: [2 June 2025](#)
 - Starts: 8 September 2025
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Course overview

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 two 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.

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.

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.

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

Graduate Outcomes, 2018-19.

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	£9,250

International fees	
Full-time place, per year	£42,700

Fees stated are for academic year 2024/25.

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.

SCHOLARSHIPS AND BURSARIES

We offer a range of scholarships and bursaries that could help pay your tuition and living expenses.

We've set the country or region your qualifications are from as United Kingdom. [Change it here](#)

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[RIGBY ENTERPRISE AWARD](#)

- [Home students](#)

[Are you a UK student with a household income of £25,000 or less? If you've participated in an eligible outreach programme, you could be eligible to apply for a Rigby Enterprise Award worth £5,000 per year for three years of your undergraduate degree.](#)

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THE LIVERPOOL BURSARY

◦ [Home students](#)

[If you're a UK student joining an undergraduate degree and have a household income below £35,000, you could be eligible for a Liverpool Bursary worth up to £2,000 for each year of undergraduate study.](#)

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ASYLUM SEEKERS SCHOLARSHIP

◦ [Home students](#)

[Apply for an Asylum Seekers Scholarship and you could have your tuition fees paid in full and receive help with study costs. You'll need to have applied for asylum in the UK, or be the dependant of an asylum seeker, and be joining an eligible undergraduate degree.](#)

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CARE LEAVERS' OPPORTUNITY BURSARY

◦ [Home students](#)

[If you've spent 13 or more weeks in Local Authority care since age 14, you could be eligible for a bursary of £3,000 per year of study. You'll need to be a UK student joining an eligible undergraduate degree and be aged 28 or above on 1 September in the year you start.](#)

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COWRIE FOUNDATION SCHOLARSHIP

◦ [Home students](#)

[Are you a UK student with a Black African or Caribbean heritage and a household income of £25,000 or less? You could be eligible to apply for a Cowrie Foundation Scholarship worth up to £8,000 for each year of undergraduate study.](#)

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ESTRANGED STUDENTS BURSARY

◦ [Home students](#)

[If you're a UK student identified as estranged by Student Finance England \(or the equivalent UK funding body\), you could be eligible for a bursary of £1,000 for each year of undergraduate study.](#)

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GENESYS LIFE SCIENCES SCHOLARSHIP

◦ [Home students](#)

[Joining a School of Biosciences degree and have a household income of less than £25,000? If you're a UK student, you could apply to receive £4,500 per year for three years of your undergraduate course.](#)

- **GRADUATE ASSOCIATION HONG KONG & TUNG UNDERGRADUATE SCHOLARSHIPS**

- [International students](#)
- [Hong Kong](#)

[If you're an undergraduate student from Hong Kong who can demonstrate academic excellence, you may be eligible to apply for a scholarship worth £10,000 in partnership with the Tung Foundation.](#)

- **NOLAN SCHOLARSHIPS**

- [Home students](#)

[Do you live in the Liverpool City Region with a household income of £25,000 or less? Did neither of your parents attend University? You could be eligible to apply for a Nolan Scholarship worth £5,000 per year for three years of undergraduate study.](#)

- **ROLABOTIC SCHOLARSHIP**

- [Home students](#)

[Are you a UK student with a household income of £25,000 or less? Did neither of your parents attend University? You could be eligible to apply for a ROLABOTIC Scholarship worth £4,500 for each year of your undergraduate degree.](#)

- **SPORT LIVERPOOL PERFORMANCE PROGRAMME**

- [Home and international students](#)

[Apply to receive tailored training support to enhance your sporting performance. Our athlete support package includes a range of benefits, from bespoke strength and conditioning training to physiotherapy sessions and one-to-one nutritional advice.](#)

- **TECHNETIX BROADHURST ENGINEERING SCHOLARSHIP**

- [Home students](#)

[Joining a degree in the School of Electrical Engineering, Electronics and Computer Science? If you're a UK student with household income below £25,000, you could be eligible to apply for £5,000 a year for three years of study. Two awards will be available per academic year.](#)

- **UNDERGRADUATE GLOBAL ADVANCEMENT SCHOLARSHIP**

- [International students](#)

[If you're a high-achieving international student starting an undergraduate degree with us from September 2024, you could be eligible to receive a fee discount of up to £5,000. You'll need to achieve grades equivalent to AAA in A levels and be joining a non-clinical degree.](#)

- **UNIVERSITY OF LIVERPOOL INTERNATIONAL COLLEGE EXCELLENCE SCHOLARSHIP**

- International students

Completed a Foundation Certificate at University of Liverpool International College (UoLIC)? We're offering a £5,000 fee discount off the first year of undergraduate study to some of the highest achieving students joining one of our non-clinical degrees from UoLIC.

- **UNIVERSITY OF LIVERPOOL INTERNATIONAL COLLEGE FIRST CLASS SCHOLARSHIP**

- International students

We're offering a £1,000 fee discount for years 2 and 3 of undergraduate study to eligible students progressing from University of Liverpool International College. You'll need to be studying a non-clinical subject and get an average of 70% or above in year 1 of your degree.

- **UNIVERSITY OF LIVERPOOL INTERNATIONAL COLLEGE IMPACT PROGRESSION SCHOLARSHIPS**

- International students

If you're a University of Liverpool International College student awarded a Kaplan Impact Scholarship, we'll also consider you for an Impact Progression Scholarship. If selected, you'll receive a £3,000 fee discount off the first year of your undergraduate degree.

- **YOUNG ADULT CARER'S (YAC) BURSARY**

- Home students

If you're a young adult and a registered carer in the UK, you might be eligible for a £1,000 bursary for each year of study. You'll need to be aged 18-25 on 1 September in the year you start your undergraduate degree.

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.

Your qualification	Requirements About our typical entry requirements
GCSE	4/C in English and 4/C in Mathematics
International qualifications	Many countries have a different education system to that of the UK, meaning your qualifications may not meet our entry requirements. Completing your Foundation Certificate, such as that offered by the University of Liverpool International College , means you're guaranteed a place on your chosen course.

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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