

Clinical Sciences MRes

COURSE DETAILS

- Full-time: 12 months
- Part-time: 24 months

KEY DATES

- Apply by: [29 August 2025](#)
 - Starts: 22 September 2025
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Course overview

The MRes in Clinical Sciences will enable you to develop advanced knowledge and research skills in clinical sciences. The programme is aimed at intercalating medical, dental and veterinary students and medical, biomedical and biological science graduates. Under expert supervision, you will produce a major piece of independent research on one of five specialist pathways.

INTRODUCTION

This MRes will equip you with advanced knowledge of clinical sciences and provide a tailored research experience. You can follow a general clinical science pathway or focus your research on cardiovascular and metabolic medicine, eye and vision science, musculoskeletal and ageing science, or women and children's health.

Whichever of these five pathways you choose, you'll receive intensive preparation for your future career including PhD study. We'll immerse you in contemporary clinical science research techniques, explore recent challenges and advances, and examine how evidence-based practice can inform health, disease and therapeutic interventions.

You'll discover how to develop a research proposal, identify relevant evidence and sources, plan and undertake the research, and analyse and present your findings. This will equip you with a range of transferable skills, including critical thinking, project management, written and verbal communication, and problem solving.

You'll be supported by academic experts in the Institute of Life Course and Medical Sciences. Our team of MRes supervisors are actively engaged in research that makes a real impact. Their work is focused on exploring key issues to local population health needs, combating

health challenges from early years to later life, and positively changing patient care in our communities.

WHO IS THIS COURSE FOR?

This programme is suitable for:

- Undergraduate medical, dental and veterinary students undertaking an intercalated research degree
- Graduates from medical, biomedical and biological science disciplines looking to gain further experience of research.

WHAT YOU'LL LEARN

- Important techniques and laboratory skills required for medical research in both clinical and academic environments.
 - Recent advances and contemporary methodologies in clinical sciences research.
 - The ways in which clinical sciences research relates to health, disease and therapeutic interventions.
 - How to formulate a robust research proposal.
 - How to critically appraise relevant literature in the field of clinical sciences.
 - How to plan and conduct a major piece of original, independent research.
 - How to collect, interpret and analyse data and present your findings.
 - Project management and problem-solving skills.
 - Communication skills that enable research debate and the sharing of ideas with both scientific and layperson audiences.
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Course content

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

SEMESTER ONE

MCMR002 Transferable Skills is studied across all three semesters. Three other compulsory modules are studied in semester one.

COMPULSORY MODULES

TRANSFERABLE SKILLS (MCMR002)

Credits: 15 / Semester: whole session

This module will enable students to develop a range of skills relevant across a wide range of career disciplines. It comprises a series of lectures and workshops. These will give students opportunities to communicate scientific concepts to expert, commercial and lay audiences. Students will receive training in statistical analysis and ethics, both of which are crucial for research. They will also participate in workshops on how to best present their skills and expertise when applying for jobs.

BASIC LABORATORY SKILLS (MCMR008)

Credits: 15 / Semester: semester 1

This module introduces students to the important techniques required for clinical science research. It is delivered by a series of student practicals supplemented by lectures on the theory behind the techniques ("Research-connected teaching" in line with the Curriculum framework). Students will be directed to appropriate literature to aid their understanding of the module. This module also includes workshop for students to actively learn and engage experimental design ("Active learning" in line with the Curriculum framework). The module will be assessed by continuous assessment and a MCQ exam.

RESEARCH FRONTIERS IN CLINICAL SCIENCES 1 (MCMR003)

Credits: 15 / Semester: semester 1

This module encompasses a series of topical lectures, interactive seminars and journal clubs focusing on recent advances and challenges in the field of Clinical Sciences. Diverse lecture topics and seminars will be delivered by leaders in their fields, highlighting the state-of-the-art methodologies linked to topical research areas. Linked journal clubs will be student led, critically discussing a topical research paper associated with the research area described in the accompanying lecture material. Students will have an opportunity to present published findings in an impactful manner, develop critical journal peer-reviewing skills and produce a state-of-the-art review linked to topical research areas. Students will gain critical appraisal skills and develop deeper understanding of experimental approaches and key research areas within Clinical Sciences alongside future-proofing transferable skill sets focused on digital fluency, confidence and global citizenship in line with the Liverpool Curriculum Framework.

CLINICAL SCIENCES RESEARCH PROJECT 1 (FULL-TIME) (MCMR703)

Credits: 40 / Semester: semester 1

The Clinical Sciences Research Project 1 forms the first part of a two-part research project within the MRes Clinical Sciences programme. The project area can be in general clinical science, or in a specific area including eye and vision science, musculoskeletal and aging science, cardiovascular and metabolic medicine or women and children's health relevant to the student's area of interest. The teaching approach relies upon research-led and enquiry-based learning with authentic assessments in the form of a preliminary report, oral presentation, and a reflective skills portfolio. Students will become full members of a research group and take advantage of first-class facilities and an active laboratory research environment available in the Institute of Life-course and Medical Sciences. Students will also have the option to undertake clinical research in the NHS trusts including Alder Hey Children's hospital, Liverpool Women's hospital, the Royal Liverpool hospital and St Paul's eye hospital. Furthermore, students can conduct a computational project including systematic review, data analysis, computer modelling, and bioinformatics.

Any optional modules listed above are illustrative only and may vary from year to year. Modules may be subject to minimum student numbers being achieved and staff availability. This means that the availability of specific optional modules cannot be guaranteed.

SEMESTER TWO

MCMR002 Transferable Skills is studied across all three semesters. MCMR704 is studied across semesters two and three. One other compulsory module is studied in semester two.

COMPULSORY MODULES

RESEARCH FRONTIERS IN CLINICAL SCIENCES 2 (MCMR004)

Credits: 15 / Semester: semester 2

This module is a series of lectures, seminars and journal clubs focusing on recent advances and challenges in the field of clinical sciences.

Lecture and seminars will be delivered by leaders in the field, highlighting the background to their research area and presenting work that they are involved in. Linked journal clubs will be student-led, discussing a relevant research paper associated with the content covered in the accompanying lecture.

CLINICAL SCIENCES RESEARCH PROJECT 2 (FULL-TIME) (MCMR704)

Credits: 80 / Semester: semester 2

The Clinical Sciences Research Project 2 forms the second part of a two-part research project within the MRes Clinical Sciences programme. The project area can be in general clinical science, or in a specific area including eye and vision science, musculoskeletal and aging science, cardiovascular and metabolic medicine or women and children's health relevant to the student's area of interest. The teaching approach relies upon research-led and enquiry-based learning with authentic assessments in the form of scientific report, poster presentations, and a reflective skills portfolio. Students will become full members of a research group and take advantage of first-class facilities and an active laboratory research environment available in the Institute of Life-course and Medical Sciences. Students will also have the option to undertake clinical research in the NHS trusts including Alder Hey Children's hospital, Liverpool Women's hospital, the Royal Liverpool hospital and St Paul's eye hospital. Furthermore, students can conduct a computational project including systematic review, data analysis, computer modelling, and bioinformatics.

TRANSFERABLE SKILLS (MCMR002)

Credits: 15 / Semester: whole session

This module will enable students to develop a range of skills relevant across a wide range of career disciplines. It comprises a series of lectures and workshops. These will give students opportunities to communicate scientific concepts to expert, commercial and lay audiences. Students will receive training in statistical analysis and ethics, both of which are crucial for research. They will also participate in workshops on how to best present their skills and expertise when applying for jobs.

Any optional modules listed above are illustrative only and may vary from year to year. Modules may be subject to minimum student numbers being achieved and staff availability. This means that the availability of specific optional modules cannot be guaranteed.

SEMESTER THREE

MCMR002 Transferable Skills is studied across all three semesters. MCMR704 is studied across semesters two and three.

COMPULSORY MODULES

CLINICAL SCIENCES RESEARCH PROJECT 2 (FULL-TIME) (MCMR704)

Credits: 80 / Semester: semester 2

The Clinical Sciences Research Project 2 forms the second part of a two-part research project within the MRes Clinical Sciences programme. The project area can be in general clinical science, or in a specific area including eye and vision science, musculoskeletal and aging science, cardiovascular and metabolic medicine or women and children's health relevant to the student's area of interest. The teaching approach relies upon research-led and enquiry-based learning with authentic assessments in the form of scientific report, poster presentations, and a reflective skills portfolio. Students will become full members of a research group and take advantage of first-class facilities and an active laboratory research environment available in the Institute of Life-course and Medical Sciences. Students will also have the option to undertake clinical research in the NHS trusts including Alder Hey Children's hospital, Liverpool Women's hospital, the Royal Liverpool hospital and St Paul's eye hospital. Furthermore, students can conduct a computational project including systematic review, data analysis, computer modelling, and bioinformatics.

TRANSFERABLE SKILLS (MCMR002)

Credits: 15 / Semester: whole session

This module will enable students to develop a range of skills relevant across a wide range of career disciplines. It comprises a series of lectures and workshops. These will give students opportunities to communicate scientific concepts to expert, commercial and lay audiences. Students will receive training in statistical analysis and ethics, both of which are crucial for research. They will also participate in workshops on how to best present their skills and expertise when applying for jobs.

Any optional modules listed above are illustrative only and may vary from year to year. Modules may be subject to minimum student numbers being achieved and staff availability. This means that the availability of specific optional modules cannot be guaranteed.

HOW YOU'LL LEARN

You'll learn through a combination of lectures, tutorials, seminars, workshops and independent study.

An active research environment encourages individual and group work where you'll develop ideas and hypotheses to solve problems and analyse, interpret and present your findings.

Research projects may be carried out in laboratories on campus or could be based in local NHS trusts including Alder Hey Children's Hospital, Liverpool Women's Hospital, St Paul's Eye

Hospital or the Royal Liverpool University Hospital. There's also the option to complete an online research project.

HOW YOU'RE ASSESSED

Assessment activities mirror those undertaken by professional scientists and healthcare professionals. These real-life scenarios include drafting grant applications, writing reports, creating visual abstracts, developing a business proposals, and making presentations.

All modules include assessments that are linked to research project work, where you'll gain appropriate skills to complete your final project report at the end of the programme. Such assessments include a lab report, literature review and referee report.

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 programme prepares you for a future career in biomedical research which could be in the academic, industrial or public sectors. It also provides a strong foundation for doctoral research and satisfies the criteria of UK research councils for Master of Research training.

You'll gain the research knowledge, skills and attributes to contribute to evidence-based practice, pursue further study, and progress your career.

Career support from day one to graduation and beyond

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Career planning

[Our Careers Studio and career coaches can provide tailored support for your future plans.](#)

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From education to employment

Employability in your curriculum for a successful transition

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Networking events

[Make meaningful connections with like-minded professionals](#)

YOUR FUTURE

With an MRes in Clinical Sciences, you'll be well qualified to enter a wide range of medical and scientific roles or pursue a career in industry or academia.

In the public sector, graduates in clinical sciences are in demand in research institutes, government departments, the National Health Service, and the Environment Agency.

You may choose to pursue PhD study in preparation for a future career as a research scientist. You would also be well prepared for graduate-entry medicine training.

With proven analytical, numeracy, communication and project management skills, you'll graduate with a skillset well suited to many leadership roles and opportunities, including a career in accountancy or human resources.



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	£4,800
Part-time place, per year	£2,400

International fees	
Full-time place, per year	£31,250
Part-time place, per year	£15,650

Fees stated for UK students are for the academic year 2024/25 and are subject to change for 2025/26. Fees stated for international students are for the academic year 2025/26. Some MRes courses incur additional bench fees. You will be notified of any fee which applies to you in your offer letter.

Tuition fees cover the cost of your teaching and assessment, operating facilities such as libraries, IT equipment, and access to academic and personal support.

- You can [pay your tuition fees in instalments](#).
- All or part of your tuition fees can be [funded by external sponsorship](#).
- International applicants who accept an offer of a place will need to [pay a tuition fee deposit](#).

If you're a UK national, or have settled status in the UK, you may be eligible to apply for a Postgraduate Loan worth up to £12,167 to help with course fees and living costs. [Learn more about fees and funding](#).

ADDITIONAL COSTS

Please note, this programme may have additional costs associated with it depending on your choice of a lab or computational/fieldwork-based project.

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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POSTGRADUATE GLOBAL ADVANCEMENT SCHOLARSHIP – ACHIEVEMENT

◦ [International students](#)

[If you're an international student joining a master's course with us, you could be eligible to receive a tuition fee discount of £2,500, based on your prior academic achievement, choice of course, and you not having studied with us before.](#)

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POSTGRADUATE GLOBAL ADVANCEMENT SCHOLARSHIP – COUNTRY

◦ [International students](#)

◦ [Antigua and Barbuda](#)

◦ [Australia](#)

◦ [Bangladesh](#)

◦ [Barbados](#)

◦ [Belize](#)

◦ [Brunei](#)

◦ [Canada](#)

◦ [China](#)

◦ [Cyprus](#)

◦ [Dominica](#)

◦ [Egypt](#)

◦ [Ghana](#)

◦ [Grenada](#)

◦ [Guyana](#)

◦ [India](#)

◦ [Jamaica](#)

◦ [Japan](#)

◦ [Kenya](#)

◦ [Malaysia](#)

◦ [Mauritius](#)

◦ [Mexico](#)

◦ [New Zealand](#)

◦ [Nigeria](#)

◦ [Pakistan](#)

◦ [Saint Kitts and Nevis](#)

◦ [Saint Lucia](#)

◦ [Saint Vincent and The Grenadines](#)

- [Singapore](#)
- [South Africa](#)
- [South Korea](#)
- [Sri Lanka](#)
- [Tanzania](#)
- [Thailand](#)
- [Trinidad and Tobago](#)
- [Turkey](#)
- [Uganda](#)
- [Vietnam](#)

If you're an international student joining a master's course with us, you could be eligible to receive a tuition fee discount of £2,500, based on your nationality, choice of course, and you not having studied with us before.

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GRADUATE LOYALTY ADVANCEMENT SCHOLARSHIP

- [Home and international students](#)

If you're a University of Liverpool graduate starting this master's degree with us, you could be eligible to receive a loyalty discount of up to £2,500 off your master's tuition fees.

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CHILEAN NATIONAL AGENCY FOR RESEARCH AND DEVELOPMENT (ANID) SCHOLARSHIP

- [International students](#)
- [Chile](#)

If you're a Chilean student joining a master's degree, you could be eligible to apply for a 20% discount on your tuition fees with a Chilean National Agency for Research and Development (ANID) Scholarship. Scholarship.

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CHEVENING SCHOLARSHIPS

- [International students](#)
- [Albania](#)
- [Algeria](#)
- [Anguilla](#)
- [Antigua and Barbuda](#)
- [Argentina](#)
- [Australia](#)
- [Azerbaijan](#)
- [Bangladesh](#)
- [Barbados](#)
- [Belize](#)
- [Bolivia](#)
- [Brazil](#)
- [British Virgin Islands](#)
- [Brunei](#)
- [Canada](#)

- [Cayman Islands](#)
- [Chile](#)
- [China](#)
- [Columbia](#)
- [Costa Rica](#)
- [Cuba](#)
- [Dominica](#)
- [Ecuador](#)
- [Egypt](#)
- [El Salvador](#)
- [Ghana](#)
- [Guatemala](#)
- [Guyana](#)
- [Honduras](#)
- [Hong Kong](#)
- [Iceland](#)
- [India](#)
- [Indonesia](#)
- [Iraq](#)
- [Jamaica](#)
- [Japan](#)
- [Jordan](#)
- [Kazakhstan](#)
- [Kenya](#)
- [Libya](#)
- [Malaysia](#)
- [Mauritius](#)
- [Mexico](#)
- [Moldova](#)
- [Mongolia](#)
- [Montserrat](#)
- [Morocco](#)
- [Nepal](#)
- [New Zealand](#)
- [Nicaragua](#)
- [Nigeria](#)
- [Pakistan](#)
- [Panama](#)
- [Paraguay](#)
- [Peru](#)
- [Philippines](#)
- [Russia](#)
- [Saint Kitts and Nevis](#)
- [Saint Lucia](#)
- [Saint Vincent and The Grenadines](#)
- [Serbia](#)
- [Singapore](#)
- [South Africa](#)

- [South Korea](#)
- [South Sudan](#)
- [Sri Lanka](#)
- [Sudan](#)
- [Taiwan](#)
- [Tanzania](#)
- [Thailand](#)
- [Trinidad and Tobago](#)
- [Turkey](#)
- [Turks and Caicos Islands](#)
- [Uganda](#)
- [Ukraine](#)
- [Uruguay](#)
- [Venezuela](#)
- [Vietnam](#)
- [Zimbabwe](#)

[If you're an international student from an eligible country, joining a one-year master's course, you could be eligible to apply for a Chevening Scholarship. If your application is successful, you could expect to have your master's fees paid, up to a maximum of £18,000, and receive additional help with living costs.](#)

CONSEJO NACIONAL DE CIENCIA Y TECNOLOGIA (CONACYT) AWARD

- [International students](#)
- [Mexico](#)

[If you're a Mexican student joining a master's degree, you could be eligible to apply for a 30% discount on your tuition fees with a CONACyT Award.](#)

FUND FOR THE DEVELOPMENT OF HUMAN RESOURCES (FIDERH) AWARD

- [International students](#)
- [Mexico](#)

[If you're a Mexican student joining a master's degree and you're in receipt of a FIDERH graduate loan, you could be eligible to benefit from a 20% discount on your tuition fees with a FIDERH Award.](#)

FUNED AWARD

- [International students](#)
- [Mexico](#)

[If you're a Mexican student joining a master's degree and you're in receipt of a FUNED loan, you can apply to be considered for a 20% tuition fee discount. A total of up to 50 awards will be available to master's and PhD students per academic year.](#)

FUNED SCHOLARSHIP FOR WOMEN IN STEM SUBJECTS

- [International students](#)
- [Mexico](#)

If you're a female Mexican student joining an eligible master's course in a science, technology, engineering or maths (STEM) subject and you're in receipt of a FUNED loan, you can apply to be considered for a 25% tuition fee discount. Up to five awards are available in each academic year.

HONG KONG GRADUATE ASSOCIATION & TUNG FOUNDATION POSTGRADUATE SCHOLARSHIPS

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

If you're a master's student from Hong Kong or the People's Republic of China who can demonstrate academic excellence, you may be eligible to apply for a scholarship worth up to £10,000 in partnership with the Tung Foundation.

HRH PRINCESS SIRINDHORN UNIVERSITY OF LIVERPOOL SCHOLARSHIP (THAILAND)

- [International students](#)
- [Thailand](#)

If you're a student from Thailand joining a one-year master's degree, you might be eligible to apply to have your tuition fees paid in full and receive help with living costs. One award is available and only students who are new to the University will be considered.

JOHN LENNON MEMORIAL SCHOLARSHIP

- [Home students](#)

If you're a UK student, either born in or with strong family connections to Merseyside, you could be eligible to apply for a fee discount of up to £4,500. You'll need to demonstrate an active interest in global, community and environmental issues to be considered.

JUVENTUDES GTO SCHOLARSHIP

- [International students](#)
- [Mexico](#)

If you're a resident of the state of Guanajuato in Mexico joining a master's degree, you could be eligible for a 10% discount on your tuition fees with a JuventudEsGto Scholarship.

KAPLAN DIGITAL PATHWAYS EXCELLENCE SCHOLARSHIP

- [International students](#)

Completed a Kaplan Digital Pathways Pre-Master's? We're offering a £5,000 fee discount off the first year of master's study for a maximum of two high achieving students joining one of our non-clinical master's courses from an online Kaplan Pre-Master's programme.

MARSHALL SCHOLARSHIP

- [International students](#)
- [United States](#)

[If you're a USA student joining an eligible master's with us, you could be eligible to apply for a Marshall Scholarship. If your application is successful, your master's tuition fees will be paid in full. One Marshall Scholarship for master's study is available in each academic year.](#)

POSTGRADUATE OPPORTUNITY BURSARY

- [Home students](#)

[If you're a UK University of Liverpool graduate joining a master's degree with us, you could be eligible to receive £3,000 off your tuition fees. You must have graduated in the last two years and received a widening access scholarship during your undergraduate studies.](#)

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.](#)

TURKISH MINISTRY OF EDUCATION SCHOLARSHIP

- [International students](#)
- [Turkey](#)

[If you're a Turkish student joining a master's degree, you could be eligible to apply for a 20% discount on your tuition fees with a Turkish Ministry of Education Scholarship.](#)

UNIVERSITY OF LIVERPOOL INTERNATIONAL COLLEGE EXCELLENCE SCHOLARSHIP

- [International students](#)

[Completed a Pre-Master's at University of Liverpool International College \(UoLIC\)? We're offering a £5,000 fee discount off the first year of master's study to some of the highest achieving students joining one of our non-clinical master's courses from UoLIC.](#)

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 fee discount worth £3,000 off the first year of your master's course.](#)

VICE-CHANCELLOR'S INTERNATIONAL ATTAINMENT SCHOLARSHIP FOR MAINLAND CHINA

- [International students](#)

- [China](#)

[Are you a high-achieving graduate from the People's Republic of China with a degree from a Chinese university? You could be eligible to apply for a £5,000 fee discount if you're joining an eligible master's course. Up to 15 eligible students will receive this scholarship.](#)

Entry requirements

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

Your qualification	Requirements About our typical entry requirements
GCSE	4/C in English and 4/C in Mathematics
Postgraduate entry requirements	We accept a 2:2 honours degree from a UK university, or an equivalent academic qualification from a similar non-UK institution. This degree should be in a medical, biomedical or relevant biological science discipline. Previous MRes or MSc study or a medicine, veterinary or dental qualification may also be accepted.
International qualifications	If you hold a bachelor's degree or equivalent, but don't meet our entry requirements, a Pre-Master's can help you gain a place. This specialist preparation course for postgraduate study is offered on campus at the University of Liverpool International College , in partnership with Kaplan International Pathways. Although there's no direct Pre-Master's route to this MRes, completing a Pre-Master's pathway can guarantee you a place on many other postgraduate courses at The University of Liverpool.

THE ORIGINAL

REDBRICK