



MSc

## Diagnostic Radiography (Pre-registration)

**Study mode**

Full-time

**Duration**

24 months

Apply by: **9 January 2026**

Starts on: **26 January 2026**

### About this course

Gain eligibility to apply to the Health Care Professions Council (HCPC) for professional registration as a diagnostic radiographer on completion of this MSc. You'll discover the radiographic techniques and imaging technologies required to conduct patient x-rays and scans on a course underpinned by team-based and problem-based learning.

Early applications are encouraged. Applications submitted by October 31 will be given equal consideration. Applications submitted after this date are not guaranteed to be considered for the January start but may be considered for waiting list places.

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### Introduction

If you want to work as a diagnostic radiographer, x-raying and scanning patients in an NHS or private setting, this pre-registration MSc combines the academic knowledge and clinical learning experience you'll need.

The programme will immerse you in the theory and practice of a comprehensive range of radiographic techniques needed for first post competencies working in the modern healthcare sector.

You'll build awareness of anatomy, physiology and pathology and gain experience working with radiographic and cross-sectional images. You'll also achieve an understanding of radiological science which is associated with medical imaging and radiation protection.

An introduction to research methods in health care will highlight the importance of evidence-based practice in diagnostic radiography.

You'll develop into a diagnostic radiographer with the skills, knowledge and understanding required for safe and ethical practice. This expertise will be underpinned by a caring approach to patients, providing care in a professional, culturally sensitive and emotionally intelligent manner, with the ability to identify potential improvements in service delivery.

On completion of the course, you'll be eligible to apply for professional registration with the Health Care Professions Council (HCPC). This registration is required to work as a diagnostic radiographer in the UK.

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## Who is this course for?

We are looking for science graduates, or those with degrees in related subjects, such as psychology. You should be a caring, empathetic person who is energetic and wants to make a difference to people's lives.

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## What you'll learn

- How to deliver safe, effective and professional practice as a diagnostic radiographer
- Diagnostic imaging techniques
- Knowledge and understanding of anatomy, physiology and pathology
- Radiographic and contrast imaging procedures
- An understanding of radiological science and radiation protection
- Advanced imaging techniques including ultrasound and nuclear medicine
- How to make informed decisions about diagnostic image quality and patient dose
- Key skills and methodologies for healthcare research
- Professionalism and role development in radiography

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# Course content

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

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## Year one

### Modules

Compulsory modules	Credits
<a href="#"><u>CLINICAL AND PROFESSIONAL PRACTICE (DRAD403)</u></a>	20
<a href="#"><u>MUSCULOSKELETAL AND SOFT TISSUE IMAGING SYSTEMS 1 (DRAD402)</u></a>	20
<a href="#"><u>RADIOGRAPHIC SCIENCE AND IMAGING TECHNOLOGIES (DRAD401)</u></a>	20
<a href="#"><u>MUSCULOSKELETAL AND SOFT TISSUE IMAGING SYSTEMS 2 (DRAD404)</u></a>	15
<a href="#"><u>RESEARCH METHODS IN HEALTHCARE PRACTICE (HEAL417)</u></a>	15

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

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## Year two

### Modules

Compulsory modules	Credits
<a href="#"><u>DISSERTATION: HEALTHCARE PRACTICE (HEAL418)</u></a>	45

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Compulsory modules	Credits
<u>ADVANCED IMAGING TECHNIQUES AND MULTIMODALITY IMAGING (DRAD501)</u>	20
<u>PROFESSIONALISM, ADVANCED PRACTICE AND IMAGING SERVICES (DRAD502)</u>	25

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

## Teaching and assessment

### How you'll learn

Team-based learning, problem-based learning and research-connected teaching are central elements of the programme.

You'll be taught through a combination of lectures, tutorials, laboratory work, practical workshops, simulations, clinical placements and independent study.

A range of interactive digital tools will also be used.

### How you're assessed

A variety of authentic assessments provide the opportunity to demonstrate your clinical competence.

There are exams which involve a mix of seen and unseen tasks, multiple choice questions, short-answer exercises, medical image viewing assessments and anatomical diagrams which need to be annotated.

You'll also produce a research proposal and complete a research project which is submitted in the form of a journal.

Weekly assessments in clinical practice will review your performance and ensure you receive regular feedback.

### 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.

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# Careers and employability

Graduates in diagnostic radiography are a vital part of modern health care and in high demand both in the UK and abroad.

Successful completion of the programme confers eligibility to apply for professional registration as a qualified diagnostic radiographer with the Health and Care Professions Council (HCPC).

You will also be eligible to become a member of the Society and College of Radiographers.

You'll be capable of challenging current clinical practice with an evidence-based approach and have the expertise to drive improvements in radiology services and patient-centred care.

Upon successful registration with the HCPC, you'll be eligible to apply to work as a band 5 diagnostic radiographer in either the NHS or private sector. There is an excellent chance of immediate post-qualification employment.

Your future career plans could involve undertaking post-registration qualifications with the HCPC in preparation for advanced and consultant practice. This could lead to opportunities to specialise in areas including medical ultrasound, computer tomography, magnetic resonance imaging, radionuclide imaging or mammography.

You could alternatively choose to pursue a managerial qualification, such as an MBA, or consider PhD study and a potential career in academia as a radiography educator or researcher.

Some radiographers also take up the opportunity of progressing into the business side of radiography in the private sector and become sales reps or product specialists.

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## Career support from day one to graduation and beyond

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### Career planning

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### From education to employment

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## Networking events

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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 – £9,535

### International fees

Full-time place, per year – £29,100

Fees stated are for the 2025–26 academic year.

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 eligible for tuition fees and maintenance support from the Student Loans Company, you may qualify for the [NHS Learning Support Fund](#) for this course.

## 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.



# Entry requirements

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

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## Postgraduate entry requirements

**You should include a personal statement of no more than 700 words in support of your application. This should reflect on your understanding of the profession and relevant qualities valuable to a healthcare professional.**

The programme will recruit graduates from across a range of disciplines, eg biological sciences, physics, health sciences, who have obtained at least a 2:2 classification in their degree. We will also consider those who are able to provide wider contextual information of recent relevant experience or further study. Non-health related degrees and professional qualifications may be accepted but each application will be considered on its own merits.

GCSEs in Mathematics, English Language and a Science at a minimum of grade 5 or C or above are required.

You should demonstrate a good understanding of the scope of diagnostic radiography practice, including an awareness of the various settings a diagnostic radiographer might work in. This could preferably be indicated by observation experience of diagnostic radiographers working in a variety of clinical areas, or by other experience which can be related to the skills and qualities required to work in a radiography environment.

Experience in a paid or voluntary capacity working with the general public, children, older persons or people with special needs will also help to strengthen your application.

You should include a personal statement of no more than 700 words in support of your application. This should reflect on your understanding of the profession and relevant qualities valuable to a healthcare professional.

An interview forms part of the selection process. The interview follows the values-based recruitment (VBR) process and you will be expected to demonstrate the relevance of the [NHS' values](#) and pertinent skills required to work in diagnostic radiography.

Please note: meeting the minimum criteria does not guarantee a place on the programme as competition is high. You are encouraged to present the strongest possible application.

## Declaration of criminal background

You will understand that as a health sciences student, and when you qualify, you will be asked to treat children and other vulnerable people. We therefore need information about any criminal offences of which you may have been convicted, or with which you have been charged. The information you provide may later be checked with the police.

If selected for interview you will be provided with the appropriate form to complete.

## Health screening

The University and the School of Health Sciences has an obligation to undertake health screening on all prospective healthcare students. Any offer of a place to study is conditional on completion of a health questionnaire and a satisfactory assessment of fitness to train from the University's Occupational Health Service. This will include some obligatory immunisations and blood tests. Please visit the [Higher Education Occupational Practitioners website](#) for further information.

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## 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, 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 MSc, completing a Pre-Master's pathway can guarantee you a place on many other postgraduate courses at The University of Liverpool.

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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](#).

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## IELTS

7.0 overall, with no component below 6.5. Please note, your IELTS test must have been sat and completed in person and not online.

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