UNIVERSITY OF LIVERPOOL

BSc (Hons)

Therapeutic Radiography and Oncology

UCAS code B822

Entry requirements	Study mode	Duration
A level: BBB	Full-time	3 years

Apply by: **14 January 2026**
Starts on: **28 September 2026**

About this course

Our Therapeutic Radiography and Oncology programme allows students the traditional academic and clinical learning opportunities to develop into competent and resilient radiographers, equipped with the necessary skills to flourish in a wide array of professional environments.

Introduction

With an integrated case based approach enabling you to study all aspects of the radiotherapy patient pathway, through connecting your academic lectures, clinical placement experience and clinical simulation.

This programme aims to produce competent, reflective, research active, caring, safe, proactive and progressive Therapeutic Radiographers, through an innovative and authentic teaching and assessment strategy encompassing real world radiotherapy research and radiotherapy clinical simulation.

Programme in detail

The programme has been designed using a case based approach, this means that a cancer patient case will bring to life the radiotherapy patient journey and provide a framework to connect content delivered. The programme content is organised into four key themes:

- Radiotherapy physics, technology and radiobiology
- Radiation oncology and patient care
- Preparation for practice and professionalism
- Research methods in radiotherapy.

You will study a range of profession specific modules, engage in interprofessional learning through activities with fellow students in the School of Allied Health Professions and Nursing and attend clinical placement during academic terms. The clinical placements increase in length from year one through to year three. All placements are arranged in a variety of Radiotherapy Cancer Centres and there is an opportunity to spend an elective period in a radiotherapy department of your choice.

What you'll learn

- Research gathering techniques
- Critical thinking skills
- Communication skills
- Self-directed learning techniques
- Patient care
- Physics, radiobiology and technology skills relating to Radiotherapy

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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

Year one of the programme is concerned primarily with the acquisition of knowledge, with some integration and application of this knowledge to clinical practice. It provides a comprehensive introduction to the fundamental concepts and principles that underpin therapeutic radiography and its role in the management of cancer.

Modules

Compulsory modules	Credits
FOUNDATIONS OF RADIOTHERAPY, ONCOLOGY AND PATIENT CARE 1 (RADT118)	30
FOUNDATIONS OF RADIATION ONCOLOGY AND PATIENT CARE 2 (BREAST) (RADT121)	30
RADIOTHERAPY PRACTICE 1 (RADIOTHERAPY CLINICAL LEARNING AND FOUNDATIONS OF PROFESSIONALISM (RADT123)	15
RADIOTHERAPY PHYSICS, TECHNOLOGY AND RADIOBIOLOGY 1 (RADT114)	15
RADIOTHERAPY PHYSICS, TECHNOLOGY AND RADIOBIOLOGY 2 (RADT151)	15
RESEARCH METHODS IN RADIOTHERAPY (RADT134)	15

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

Year two

Year two of the programme expands the previously acquired knowledge with an increasing emphasis on the understanding and application of principles to clinical practice. You are encouraged to develop the skills of interpretation and evaluation and to relate them to all areas of the programme.

Modules

Compulsory modules	Credits
APPLIED RESEARCH METHODS IN RADIOTHERAPY (RADT221)	15
RADIOTHERAPY PRACTICE 2 (RADIOTHERAPY CLINICAL LEARNING AND DEVELOPING PROFESSIONALISM) (RADT234)	30
PRINCIPLES OF RADIATION ONCOLOGY AND PATIENT CARE 3 (PELVIS) (RADT210)	30
PRINCIPLES OF RADIATION ONCOLOGY AND PATIENT CARE 4 (HEAD, NECK AND THORAX) (RADT220)	30
RADIOTHERAPY PHYSICS, TECHNOLOGY AND RADIOBIOLOGY 3 (RADT214)	15

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

Year three

Year three of the programme enables you to develop critical analysis of the impact of innovation and technological advances on practice. The greater part of this year is spent in the clinical environment allowing you to consolidate and develop skills enabling you to become clinically competent and safe to practice.

Modules

Compulsory modules	Credits
ADVANCED RADIATION ONCOLOGY AND PATIENT CARE 5 (RADT317)	30
RADTIOTHERAPY PRACTICE 3 (RADIOTHERAPY CLINICAL LEARNING AND ADVANCING PROFESSIONALISM) (RADT334)	30
RADIOTHERAPY PHYSICS, TECHNOLOGY AND RADIOBIOLOGY 4 (RADT318)	30
RADIOTHERAPY RESEARCH DISSERTATION (RADT312)	30

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

Teaching and assessment

How you'll learn

Learning is promoted through a wide variety of activities that enable students to become autonomous and continuous learners. Interactive lectures, practical and clinical skills group work, simulation, directed study, role play, problem based learning, small group work, student-led seminars, collaborative project work and interactive tutorials are key learning strategies for this programme.

Practical work using our imaging suite digital equipment, 3D virtual reality radiotherapy facility, Clinical Skills Resource Room and the Human Anatomy Resource Centre complement teaching activities.

Face-to-face interactions between all students will occur at shared lectures, tutorials and group work and online interaction will be encouraged and facilitated as are inter-professional education and learning opportunities across all healthcare professions programmes.

How you're assessed

Using a mixture of coursework and examination, a range of assessment methods can be seen across this programme. These include seen and unseen written examinations, essay assignments with specific word lengths, multiple choice questions, case study presentations and interactive practical examinations.

Assessment of the work-based learning element of all programmes will be an important aspect of your studies. You will be required to communicate your views orally and in written form; analyse, implement and evaluate your practice; and to extend the research and evidence base of your chosen profession.

The various methods of assessments have been chosen to provide a balance that will permit the undergraduates to demonstrate their intellectual abilities in all areas to the full.

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

With an ageing population and improved cancer detection techniques, there is a high demand for suitably qualified healthcare professionals to support cancer patients.

As a graduate of the School of Allied Health Professions and Nursing you'll be eligible to apply for registration with the Health and Care Professions Council (HCPC) and you will become a member of the Society of Radiographers.

You can look to explore careers in:

- National Health Service
- Social Services
- Private sector.

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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
Year abroad fee - £1,385 (applies to year in China)

International fees

Full-time place, per year - £29,100
Year abroad fee - £14,550 (applies to year in China)

Fees are for academic year 2025/26.

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 may include a laptop, books, or stationery. Additional costs for this course could include professional association fees and travel to placements.

Professional association fees

Optional Society of Radiographers student membership: first year free, then £45 per year (or £3.75 per month)

Travel to placements

Students will complete their clinical learning experience at an assigned centre. This may be in Liverpool, Aintree, Wirral, Manchester, Salford, Oldham, Preston (with a short rotation to Carlisle), or Sutton Coldfield.

Depending on where students choose to be based when in an academic block, travel to these sites and their respective satellite centres will incur additional costs.

For example, a student based in Liverpool who is placed at the Christie Hospital in Manchester may choose to:

- drive the distance of 39 miles
- commute each day at a cost of around £19 by train (student concessions may be available)
- find additional accommodation.

Elective placements

Students undertake a one-week elective placement, either in the UK or overseas, which is self-funded. This is optional, not assessed, and does not contribute to clinical attendance.

* Home students are able to apply for reimbursement of travel/accommodation costs in relation to placement from the NHS Business Services Authority.

Find out more about additional study costs.

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Entry requirements

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

NHS Values will be assessed in all areas of an application including UCAS Personal Statement and at interview. For more details, please download our explanation of Value Based Recruitment.

A levels

BBB
with at least one science subject.

You may automatically qualify for reduced entry requirements through our contextual offers scheme. Based on your personal circumstances, you may automatically qualify for up to a two-grade reduction in the entry requirements needed for this course. When you apply, we consider a range of factors – such as where you live – to assess if you're eligible for a grade reduction. You don't have to make an application for a grade reduction – we'll do all the work.

Find out more about how we make reduced grade offers.

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.

Available foundation years:

- Foundation to Therapeutic Radiography and Oncology (Year 0) BSc (Hons)

T levels

T levels considered in a relevant subject, Health and Science (Health, Healthcare Science and Science pathways) is accepted with an overall grade of Distinction to include in the core.

Applicants should contact us by completing the enquiry form on our website to discuss specific requirements in the core components and the occupational specialism.

GCSE

5 GCSEs at Grades A* - C which must include English Language, Mathematics and Science. Where numerical grading is introduced these subject me be offered at a minimum of Grade 5. English Language, Biology/Human Biology, Mathematics or

Physics MUST be offered at Grade C. (Science Dual Award is acceptable). Applied GCSEs will not be considered.

Subject requirements

For applicants studying A levels with English exam boards: Where a science has been taken at A level (Chemistry, Biology, Geology or Physics), a pass in the Science practical of each subject will be required.

BTEC Level 3 National Extended Diploma

BTEC Nationals are considered in addition to 5 GCSEs grades A* – C, which must include English Language, Maths and a Science. Where numerical grading has been introduced, English Language, Maths and a Science will be required at Grade 5 or above. Please note that Science dual award is acceptable but Core Science and Applied GCSEs will not be considered.

BTEC National Extended Certificate

We will accept one subject at a minimum of Distinction. This must be accompanied by two A2 subjects at Grade B, of which one subject should include Biology/Human Biology, Physics, Maths or Chemistry. Three separate subjects must be taken between the two qualifications.

BTEC National Diploma

We will accept Health and Social Care or Applied Science/ Medical Science graded at DD. This must be accompanied by one A2 subject at grade B. In total, between the two qualifications, two separate subjects must be taken.

BTEC National Extended Diploma

We will accept Health and Social Care or Applied Science/Medical Science at DDD.

International Baccalaureate

30 points overall with no score less than 4 to include a science subject.at Higher Level or pass the IB Diploma plus 5,5,5 in 3 HL subjects to include a science subject at Higher Level.

European Baccalaureate

74% overall with a minimum mark of 8 in Biology and no other subject less than a 6.

Irish Leaving Certificate

2 subjects at H2 or above to include a science subject (Maths, Physics, Biology, Chemistry) and 4 subjects at H3 or above to include a further science subject and/or Maths.

Scottish Higher/Advanced Higher

Scottish Certificate of Education

Advanced Higher/Higher Level
Accepted in addition to five national 5's graded upper A –C, which must include English Language, Mathematics and a Science subject. A minimum of five B's from any combination of Advanced Higher/Higher Level. Consideration will only be given to Advanced Highers in different subjects to those of Highers level subjects offered.

Welsh Baccalaureate Advanced

B in the Welsh Baccalaureate, plus BB at A level

Cambridge Pre-U Diploma

Will be considered

Graduate application

We welcome applications from graduates holding a minimum of a 2:2 classification. If your degree is not in a Science related subject please contact the admission unit for further information. If it is 5 years or more since you last studied you may be advised to study an A level in Biology / Human Biology. The degree qualification should be supported by a strong academic background, with a minimum of 5 GCSEs A* – C to include English Language, Mathematics and a Science subject.

Access

Essential: 45 credits at Level 3 (all should be new learning, ie. GCSE awards cannot be APL'd against the Diploma). 30 credits passed at distinction (which must include a minimum of 15 credits in modules relating to Biology, Maths and Physics). The remaining 15 credits must be passed at merit or higher. 2 GCSEs in

English Language and Maths at grade 4/C. We will also accept Functional Skills in Maths at a pass.

Academic Reference

An academic reference must be included within the UCAS application. If the applicant is a graduate and has been working since graduating (within three years), an employer reference is acceptable.

Profession-specific knowledge and skills required

The UCAS Personal Statement, must demonstrate an understanding of the Therapeutic Radiography & Oncology role. Applicants should also consider visiting a Diagnostic Radiography Department to give them an awareness of the differences between the Diagnostic and Therapeutic Radiography professions. Applicants should have an appreciation of the demands of the programme and a realistic understanding of what is required when on clinical placement.

Having experience of working with the general public, children, the elderly or people with disabilities, in a paid or voluntary capacity will strengthen an application.

Declaration of criminal background

You will understand that as an allied health professions and nursing 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 Allied Health Professions and Nursing 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.

International qualifications

Select your country or region to view specific entry requirements.

The IELTS requirement is an overall score of 7.0 with no component less than 6.5.

Please note – whilst we do accept **IELTS** qualifications, we do not accept IELTS qualifications that have been sat and gained **online**. We only accept qualifications that have been sat and gained **in person**.

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 applicants who do not meet the minimum required standard of English language can complete one of our Pre-Sessional English courses to achieve the required level.

IELTS

7.0 overall, with no component below 6.5

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

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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