



# MSc Computed Tomography (CT)

16 months | Full-Time

Course code: X075 (Sep)

## Introduction

The MSc Computed Tomography (CT) programme is aimed at radiographers working in clinical CT. It has been developed to encompass contemporary technological advances in CT and to provide a platform for discussion of clinical and evidence-based CT practice.

The programme aims to foster the individual, personal and professional development of the

postgraduate radiographer, in order to achieve a high level of competence in CT scanning. It endeavours to cultivate a critically questioning approach to CT practice and fosters the necessary skills to apply knowledge in relation to complex decision-making. It also encourages radiographers to advance research in the field of CT.

## Programme Highlights

- Accredited by the Irish Institute of Radiographers and Radiation Therapists.
- Confers clinical competence in CT scanning on successful graduates.
- Develops specialist teamwork, leadership, research and critical thinking skills.
- Accommodates professionals in full time employment through flexible programme delivery
- Provides a platform for discussion of state-of-the-art technological advances and clinical applications.

## Course Content and Structure

### What will I learn?

The MSc CT leads to a UCD Level 4 award (equivalent to NQAI Level 9) and takes sixteen months to complete. It is delivered in five modules: two technology modules, two professional practice modules and one advanced CT Imaging module.

The MSc CT builds on appropriate existing clinical practice skills to enable radiographers to become specialists in CT imaging. This course confers clinical competence and thus there is an emphasis on the development of clinical skills and integration of theory

and practice. During the course, students must undertake a minimum of 925 clinical hours under the guidance of a named clinical supervisor to gain the necessary specialist clinical skills in CT scanning.

### How/Where will I learn?

- The Masters programme encompasses a flexible modular course structure where emphasis is placed on integration of academic and clinical components.
- The course is delivered using a blended learning approach integrating class discussions, tutorials, lectures, E-learning

and practical tutorials. Lectures are delivered either face to face at the UCD campus or else via a virtual classroom.

- Clinical skills development is supported by undertaking a clinical placement in the students own CT department
- These teaching and learning strategies are designed to encourage autonomous personal and professional development within a supportive framework.

## Why study at UCD?



### Graduate Education

12,000 graduate students; 17% graduate research students; structured PhDs



### A Leading Global University

Ranked within top 1% of higher education institutions world-wide



### Global Careers

Dedicated careers support; 2 year stayback visa to work in Ireland



### Global Community

8,500 international students and 300,000 alumni network across 165 countries



### Global Profile

UCD is ranked in the top 1% of higher education institutions worldwide



### Welcoming Campus

Modern parkland campus with 24 hr security. Wide range of facilities, clubs, societies and supports



## Modules

The Technology of CT modules encompass the physical theories and technological principles underlying CT, image processing, quality control, equipment management and radiation protection thus encouraging a safer and broader spectrum of clinical operation.

The Professional Practice of CT modules encompass clinical practice, clinical placement hours, scanning protocols, optimisation of practice and facility management thus encouraging a patient-centred approach and specialist clinical skills.

The Advanced CT Imaging module enables refinement of professional competencies in CT through the integration of advanced theoretical knowledge, evidence based practice and high level clinical practice skills. This module facilitates the integration of theory and practice in relation to advanced clinical applications and aims to facilitate the development of generic skills such as advanced leadership and teamwork skills; self-directed learning and applied research in the student.

## Fees and Scholarships

Tuition fee information is available on [www.ucd.ie/fees](http://www.ucd.ie/fees). Please note that UCD offers a number of graduate scholarships for full-time, self-funding international students, holding an offer of a place on a UCD masters programme. Please see [www.ucd.ie/global/scholarships](http://www.ucd.ie/global/scholarships) for further information.

## Criteria for Standard Entry Applicants

- This programme is open to any radiographer with at least one year post qualification experience.
- Candidates must have Department of Health approval to practise radiography in Ireland or Health Professions Council approval to practise radiography in the UK & Northern Ireland.
- Candidates are required to undertake a minimum of three months of clinical experience in CT scanning prior to commencing the course.
- Candidates must arrange their own clinical placement and provide evidence of an agreement to spend a minimum of 925 hours gaining practical experience in CT over the duration of the course.
- Candidates are required to arrange for a suitably qualified clinical supervisor to oversee their clinical experience.
- A clinical hours declaration form must be signed by your Radiography Services Manager and must be submitted together with other necessary documentation specified in the online process.

## International Applicants

International applicants must:

- Hold a BSc (Honours) or equivalent in Diagnostic Radiography.
- Have attained a minimum score of 7.0 in IELTS (a minimum of 6 in each band).
- All test results must be less than 2 years old.
- Have attained at least 9 months clinical work experience in CT prior to commencing the course.
- Provide an academic and clinical reference support your commitment to and ability to undertake this course.

### CONTACT US

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### APPLY NOW

Next Intake: September annually

[www.ucd.ie/apply](http://www.ucd.ie/apply)

