



Graduate Diploma in Computed Tomography

9 months | Full-Time

Course code: X021 (Sep)



Introduction

This programme builds on appropriate undergraduate study and existing clinical practice skills to enable radiographers to further develop their professional competence in CT. It aims to provide a solid foundation in the principles and theoretical concepts of CT imaging and an understanding of how these concepts are applied in clinical practice. It provides an opportunity to develop reflective, problem-solving and critical thinking skills.

The programme is designed for diagnostic radiographers who want to develop the specialist CT skills necessary to provide high-quality patient care in a dynamic working environment. Applicants must have at least one year's post-qualification experience in diagnostic radiography. Applicants must have at least three months experience in CT before commencing the programme and must be working in a CT department for the duration of the programme.

Programme Highlights

- Accredited by the Irish Institute of Radiographers and Radiation Therapists.
- Fosters individual, personal and professional development of the postgraduate radiographer
- Confers clinical competence in CT scanning on successful graduates.
- Flexible programme delivery that accommodates working professionals.
- Provides a platform for discussion of clinical and evidenced based CT practice and current technological advances.

Course Content and Structure

60 credits
Graduate Diploma

Curriculum Content:

The Graduate Diploma in CT leads to a UCD Level 4 award (equivalent to NQAI Level 9) and takes nine months to complete. It is delivered in four modules: two technology modules and two professional practice 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.

Since this Graduate Diploma confers clinical competence, students must undertake a clinical placement in CT, under the guidance of a clinical supervisor, and provide evidence of an agreement to spend a minimum of 620 hours in CT while undertaking the course.

How/Where will I learn

This course is delivered using a blended learning approach that integrates 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. Emphasis is placed on reflection and self-directed learning. Clinical skills development is supported by undertaking a clinical placement in the students own CT department under the direct supervision of a clinical supervisor.

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