MSc Computed Tomography (CT)

COURSE DETAILS

- **Major code**: X075
- **Duration**: 16 Months
- **Schedule**: Full-Time
- **Next intake**: September annually

COURSE FEATURES

- Accredited by Irish Institute of Radiography & Radiation Therapy.
- Confers clinical competence in CT on radiography graduates.
- Develops specialist clinical and critical thinking skills.
- Accommodates professionals in full time employment through flexible programme delivery.

WHO SHOULD TAKE THIS COURSE?

This MSc Computed Tomography (CT) course is designed for radiographers with at least one year's post-qualification experience. Applicants must be working in a CT department.

The course will develop the expertise of radiographers working in the field of CT and will broaden knowledge of routine and advanced applications, communication skills and analytical thinking.

The MSc programme builds on the Graduate Diploma in CT, focusing on advanced CT applications, research and state-of-the-art technological developments.

“Hands on vendor sessions were very helpful in exploring new concepts and applications relating to CT and workstations.”

- Student feedback 2011/2012
COURSE DESCRIPTION

BUILDING EXPERTISE
Developments in CT scanning have opened up new clinical applications and have led to improvements in the diagnosis of disease. The MSc CT builds on appropriate undergraduate level study and existing clinical practice skills to enable radiographers to become experts 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 900 clinical hours to gain the necessary specialist clinical skills in CT scanning.

CRITICAL THINKING SKILLS
This course prepares radiographers to apply a critically questioning approach to CT practice and fosters the skills necessary to apply knowledge in relation to complex decision-making. It also encourages radiographers to advance research in the field of CT.

BLENDED LEARNING
Blended learning is delivered through a combination of debates and class discussions, lectures, tutorials, image appraisal, eLearning and practical tasks. Hands-on workshops enable radiographers to refine their skills relating to the newest CT applications.

ENTRY REQUIREMENTS
Candidates must be qualified radiographers with approval to practise radiography in Ireland. Candidates must have a minimum of one year’s post-qualification experience and must arrange their own clinical placement in CT (Minimum of 900 hours clinical practice hours during 16 months). Interested candidates must have completed a minimum of three months clinical experience prior to commencing the programme.

International applicants must have an IELTS score above 7 and should contact the course administrator for information regarding specific additional eligibility criteria including English language requirements and clinical placement arrangements during the course.

FEES
Please check www.ucd.ie/fees

COURSE MODULES
As part of this course, students will undertake a combination of modules that includes:
- Technology of CT
- Professional practice of CT
- Advanced CT imaging

ABOUT UCD DIAGNOSTIC IMAGING
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More information on this course:
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