



CONTROLLED
X-RAYS

Professional Certificate Radiation Safety

COURSE FEATURES

Covers contemporary radiation safety issues for industry, medical and biomedical applications.

Introduces radiation workers to the principles of the physics of radiation safety and the application of these principles.

Provides the necessary tools for those who will become trainers in radiation protection and in the safe use of radiation sources in their profession.

WHO SHOULD TAKE THIS COURSE?

This course will attract participants from a variety of backgrounds and training. Radiation safety officers are employed in the medical, biomedical and industrial sectors and professional training is required by law.

At present, UCD is the only institution to offer this training online in Ireland.

COURSE DETAILS

Major code	X403 (January) X659 (September)
Duration	4 months
Schedule	Part-Time
Next intake	January / September annually

Medical use accounts for the largest man-made source of radiation and more than 13 per cent of the average annual radiation dose to a person in Ireland.

- *Key Fact*

COURSE DESCRIPTION

PRINCIPLES AND APPLICATIONS

This course covers all broad aspects of radiation safety for industry, medical and biomedical applications. It aims to introduce radiation workers to the fundamental principles of the physics of radiation safety and applications of these principles in their particular field.

BUILDS EXPERTISE

The course will provide the necessary basic tools for those who will become trainers in radiation protection and in the safe use of radiation sources in their profession. The course will provide both theoretical and practical training.

Each student chooses a specialty from diagnostic radiography, radiation therapy or industrial applications of ionising radiation depending on their area of interest. The provision of an e-learning structure allows students to complete training at home, at convenient times.

COURSE ELEMENTS

As part of this course, students will undertake a combination of elements that includes:

Introduction to fundamental concepts

Units of radiation exposure and dose

Biological effects of ionising radiation

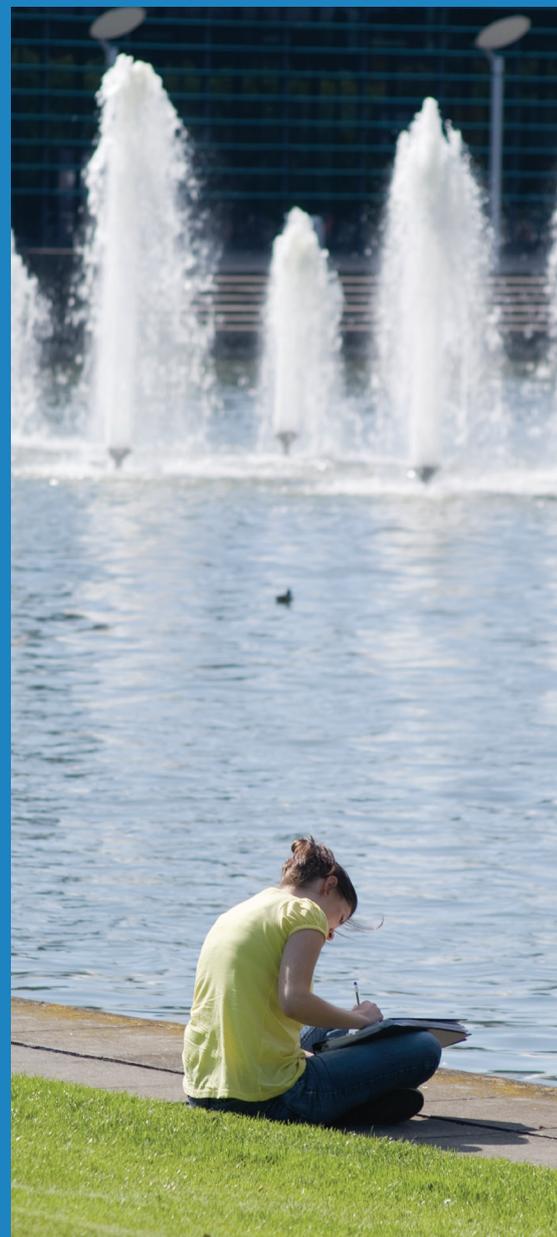
Radiation detection and measurement

Protection against occupational exposure

Legal issues and international framework in radiation safety

Assessment of internal and external exposures

Emergency planning; non-ionising radiation



Studying in the Sun at UCD

ENTRY REQUIREMENTS

Entry requirements comprise an undergraduate degree in a related field, however those with sufficient work experience will be considered for the course.

FEES

Please check www.ucd.ie/fees

ABOUT UCD DIAGNOSTIC IMAGING

UCD is an internationally recognised centre of excellence for Diagnostic Imaging. The School of Medicine offers an extensive portfolio of graduate taught courses, which cater to a diverse range of healthcare professionals.

For more information visit www.ucd.ie/medicine



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More information on this course:
www.ucd.ie/medicine

Apply for this course:
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