

# MSC (RADIATION THERAPY)

## Overview

### NFQ Level 9, Major Award

The MSc in Radiation Therapy is a full-time programme, which runs over two calendar years, with three 12-week semesters from the date of first registration. This programme confers eligibility for a graduate to apply for registration with CORU on the register "Radiographers" under division "Radiation Therapist" and work within the Republic of Ireland.

All modules are compulsory. Students will take modules to the value of 60 credits per year. Upon satisfactory completion of all modules in the first year to the value of 60 credits, students may proceed to the second year of the programme. On successful completion of all modules in the second year, to the value of 60 credits, students may graduate with an MSc (Radiation Therapy).

## Exit Awards

Students who graduate with an exit award will not be eligible to apply for registration with CORU on the register "Radiographers" under division "Radiation Therapist" and work within the Republic of Ireland. Students taking an exit award cannot subsequently register for the remainder of the Masters.

### Exit Award: Postgraduate Certificate in Applied Radiation Science (NFQ Level 9, Minor Award)

Students who successfully complete taught modules to the value of at least 30 credits (from RA6004, RA6101 and RA6103) may choose to exit the programme and be awarded a Postgraduate Certificate in Applied Radiation Science (<https://ucc-ie-public.courseleaf.com/programmes/pcars/>).

### Exit Award: Postgraduate Diploma in Applied Radiation Science (NFQ Level 9, Major award)

Students who successfully complete taught modules to the value of at least 60 credits (from RA6004, RA6010, RA6101, RA6102, RA6103, RA6107 and MH6032) may choose to exit the programme and be awarded a Postgraduate Diploma in Applied Radiation Science (<https://ucc-ie-public.courseleaf.com/programmes/pdars/>).

### Exit Award: MSc (Applied Radiation Science) (NFQ Level 9, Major award)

Students who successfully complete taught modules to the value of at least 90 credits (from RA6004, RA6010, RA6012, RA6101, RA6102, RA6103, RA6105, RA6107 and MH6032) may choose to exit the programme and be awarded an MSc (Applied Radiation Science) (<https://ucc-ie-public.courseleaf.com/programmes/mscars/>).

## Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

## Programme Requirements

Code	Title	Credits
<b>Year 1</b>		

Students take 60 credits as follows:

### Core Modules

RA6004	Principles of Research	10
RA6101	Biological Sciences for Health Professionals	10
RA6102	Treatment Planning, Localisation and Verification	10
RA6103	Medical Radiation Science and Radiobiology (RT)	10
RA6105	Principles and Practice of Radiation Therapy 1	10
RA6106	Principles and Practice of Radiation Therapy 2	10

### Year 2

Students take 60 credits as follows:

### Core Modules

MH6032	Effective Communication in Healthcare	5
RA6010	Medical Radiation Service Management	5
RA6012	Research Dissertation	20
RA6107	Advanced Medical Radiation Science (RT)	10
RA6108	Principles and Practice of Radiation Therapy 3	10
RA6109	Principles and Practice of Radiation Therapy 4	10

**Total Credits** 120

## Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

## Programme Learning Outcomes

### Programme Learning Outcomes for MSc (Radiation Therapy) (NFQ Level 9, Major Award)

On successful completion of this programme, students should be able to:

- Demonstrate the professional attributes, leadership and clinical skills required to deliver Radiation Therapy in a variety of clinical settings and will possess the academic skills to critically evaluate the evidence underpinning current therapy practices;
- Evaluate and demonstrate ongoing commitment to the professional and caring values which underpin a safe and high-quality clinical service;
- Critically evaluate the organisation and management of patient care in a variety of therapy contexts in order to identify ways in which clinical services may be enhanced;
- Demonstrate the ability to evaluate and respond to complex and changing clinical situations in a professional manner;
- Apply in-depth knowledge and critical understanding of key clinical and professional issues in the practice of Radiation Therapy and apply clinical leadership and autonomous professional practice to ensure compliance with a CORU registered Radiation Therapist;
- Synthesize the evidence base for clinical practice through intelligent and critical analysis of original research sources;
- Apply an understanding of the ethical and confidentiality rules governing professional practice of Radiation Therapy and comply with all relevant professional statutory and regulatory body standards, rules of professional conduct and regulations, and demonstrate a critical understanding of the theory and processes by which these standards are maintained;
- Develop a strategy for ongoing personal and professional development and demonstrate critical understanding of the theory and practice of CPD and reflection;

- Demonstrate a reflective approach to professional practice decision-making and be responsive to the needs of service users;
- Apply a holistic approach to the development of professional competencies within the multi-professional environment to become a safe reflective practitioner.