MSC (APPLIED RADIATION SCIENCE)

Overview

Exit Award only

Students on the MSc (Radiation Therapy) (https://ucc-ie-public.courseleaf.com/programmes/mscrt/) programme 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).

Programme Requirements

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

Programme Requirements

Code	Title	Credits
Students take **90** credits as follows:		
Core Modules		
RA6004	Principles of Research	10
RA6010	Medical Radiation Service Management	5
RA6012	Research Dissertation	20
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
RA6107	Advanced Medical Radiation Science (RT)	10
MH6032	Effective Communication in Healthcare	5
Total Credits		**90**

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 (Applied Radiation Science) (NFQ Level 9, Major Award)

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

- 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;
- Through critical analysis of audit, and clinical and academic evidence, be able to 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;
- Through intelligent and critical analysis of original research sources, be able to synthesize the evidence base of clinical practice;
- Conceptualise an understanding for ongoing personal and professional development and demonstrate critical understanding of the theory and practice of CPD;
- Evidence a self-reflective approach to professional practice decision-making and be responsive to the needs of service users.