

## **Bachelor of Applied Science (Radiology)**

The Bachelor of Medical Radiation Science (Radiation Therapy) is a 4 year AQF level 8 Bachelor Honours program.

Radiation Therapy is one of the main treatment options for patients diagnosed with cancer. Radiation Therapists are the health care professionals who use anatomical and functional imaging studies to design courses of treatment for patients with malignant disease, and use a range of advanced technology to implement daily treatment. Radiation Therapists have a large responsibility to monitor patients' health and well-being during treatment. Radiation Therapy contributes significantly to the high cancer cure rates .

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## **Program learning outcomes**

On successful completion of the program students will have:

- Applied advanced knowledge, attitudes and clinical skills to evaluate and implement modern and evolving imaging and treatment strategies as registered practitioners.
  - Demonstrated the ability to work independently or as part of a multi-disciplinary healthcare team.
  - Demonstrated effective communication skills to provide clear and coherent information and ideas to individuals, groups and healthcare teams.
  - Demonstrated skills to design and undertake research and competently apply evidence-based knowledge and clinical reasoning to deliver safe and effective professional practice.
  - Demonstrated professional and personal behaviours consistent with a commitment to legal and ethical behaviour, accountability in practice, and the promotion and development of the profession.
  - Effectively used technology in clinical practice and professional education.
  - Demonstrated the ability to take responsibility for reflection on their own clinical practice, and ongoing learning and professional development.
  - Demonstrated knowledge and understanding of the operation and clinical utility of advanced medical imaging techniques, such as computed tomography (CT) and magnetic resonance imaging (MRI).
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MRI601 Anatomy  
MRI602 Basic Radiation Therapy Methods  
MRI603 Foundations of Psychology and Sociology for Health Professionals  
MRI604 Human Bioscience  
MRI605 Medical Radiation Science  
MRI606 Medical Radiation Science Instrumentation  
MRI607 MRS Image Interpretation  
MRI608 MRS Physics and Radiation Protection  
MRI609 Musculoskeletal Anatomy  
MRI610 Neural and Visceral Anatomy  
MRI611 Pharmacology  
MRI612 Radiation Professional Practice  
MRI613 Radiation Therapy Methods  
MRI614 Radiation Therapy Professional Practice 1  
MRI615 Radiation Therapy Professional Practice 2  
MRI616 Statistics for the Sciences

Each has 8 Credits .

## **Compulsory program requirements - Review of progress**

In addition to meeting the University's overall requirements for academic progression, students must satisfactorily complete the following courses in order to progress in their program

## **Academic requirements for program completion**

### **Total Credits required**

128 Credits

## **Program duration**

4 years Online

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