What is Medical Imaging?

• Also known as medical diagnostic radiography or medical radiation technology

• As distinct from radiology

• Production of high quality images of the body using:
  - x-rays
  - computed tomography (CT)
  - magnetic resonance imaging (MRI)
  - mammography
  - ultrasound (U/S)
  - digital subtraction angiography (DSA)
What is the role of a Radiographer?

- Provides images of disease and injury
- Works as an integral member of clinical teams
- Plays a pivotal role in medicine and health care
- Assists medical diagnosis
- Supports and guides clinical decision making
What are the prospects for radiographers?

- Shortage of radiographers in rural and regional Australia
- Opportunities to work overseas
- Graduates salaries ~ $58K - $108K
- Medical Imaging is a growing field
- Postgraduate training in advanced modalities: CT, MRI, U/S
- Opportunities in teaching, research and business management.
Our mission is to produce graduates who:

• meet the rigorous standards of the Australian Health Practitioners Regulation Agency (AHPRA)

• are grounded in scientific and evidence-based principles underlying medical imaging practice

• practise with respect to the social, legal and ethical responsibilities of medical radiographers
and...

- are innovative and play a major role in the development and leadership of the profession
- are highly sought-after and work-ready with high standards of clinical competence
- have developed enduring behaviours for continuous self-directed and professional development
- have the knowledge, skills and attitudes to pursue postgraduate studies in advance modality imaging.
Why Deakin?

Deakin is a multi-award winning university with an international focus. We are **young and innovative**, offering excellent facilities and flexible learning.
Regional Community Health Hub
Deakin Bachelor of Medical Imaging

• Based in the School of Medicine on the Geelong Waurn Ponds Campus

• Supported by a new state-of-the-art clinical simulation centre in the purpose-built $53M REACH facility
Deakin Bachelor of Medical Imaging

- 4 years of full-time study
- Academic and clinical studies fully integrated throughout the course
- Includes 2,500 hours of workplace (clinical) placements
- Designed to meet the requirements for registration with the Medical Radiation Practice Board of Australia (MRPBA)
Integrates the most modern teaching and learning strategies (PBL, TBL, simulation) with extended workplace-based clinical placements
Integrating Theory and Practice

- Clinical placements based at rural, regional and metropolitan hospitals and clinics.
- 6 weeks in 1\textsuperscript{st} year
- 8 weeks in 2\textsuperscript{nd} year
- 12 weeks in 3\textsuperscript{rd} year
- 24 weeks in 4\textsuperscript{th} year
## TYPICAL WEEK – GROUP 1-3

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<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
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<td>8:00 AM</td>
<td>HMI101 Lecture</td>
<td>HMI101 Simulation</td>
<td>HMI102 Practical – wet/dry lab</td>
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<td>Placement - Consolidation &amp; Reinforcement</td>
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## Bachelor Of Medical Imaging

| Year 1 | Semester 1 | Medical Radiation Science 1  
HMI101 | Foundation Principles and Application of Medical Imaging 1  
HMI102 | Medical Imaging Practice 1  
HMI103 |
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| Semester 2 | Foundation, Principles and Application of Medical Imaging 2  
HMI104 | | Medical Imaging Practice 2  
HMI105 |
| Year 2 | Semester 1 | Medical Radiation Science 2  
HMI201 | Foundation Principles and Application of Medical Imaging 3  
HMI202 | Medical Imaging Practice 3  
HMI203 |
| Semester 2 | Foundation Principles and Application of Medical Imaging 4  
HMI204 | | Medical Imaging Practice 4  
HMI205 |
| Year 3 | Semester 1 | Principles of Advanced Modality Imaging 1  
HMI301 | | Medical Imaging Practice 5  
HMI302 |
| Semester 2 | Principles of Advanced Modality Imaging 2  
HMI303 | | Medical Imaging Practice 6  
HMI304 |
| Year 4 | Semester 1 | Research Methods and Critical Appraisal  
HMI401 | | Medical Imaging Practice 7  
HMI402 |
| Semester 2 | Advanced Modalities HMI404  
OR  
Practice Management HMI405  
OR  
Inter-Professional Education HMI406 | | Medical Imaging Practice 8  
HMI403 |
2015 Entrance Requirements

• Pre-requisites: Units 3 and 4
  ▪ a study score of at least 30 in English (EAL) or 25 in English other than EAL
  ▪ a study score of at least 25 in Biology, Physics or Chemistry
  ▪ a study score of at least 25 in Mathematical Methods (CAS) or Specialist Mathematics

• All applications must be made through VTAC: vtac.edu.au

• SEAS – complete if you have experienced educational disadvantage
Subject bonus for Medical Imaging

- study score of 40 in English = 3 aggregate points
- study score of 35 in English = 2 aggregate points
- study score of 35 in Physics, Chemistry, Biology, Mathematical Methods or Specialist Mathematics = 3 aggregate points per study
- study score of 30 in Physics, Chemistry, Biology, Mathematical Methods or Specialist Mathematics = 2 aggregate points
- overall maximum of 10 points.
Non-Year 12 Applicants

• VTAC Personal Statement for non-Yr12 applicants who wish relevant experience to be considered

• STAT test must be completed if no tertiary study within the last five years: refer http://vtac.edu.au/admissions-tests
Bachelor Of Medical Imaging

Course information:

deakin.edu.au/handbook

Accommodation:

deakin.edu.au/student life/accommodation

Scholarships:

deakin.edu.au/study-at-deakin/scholarships-and-awards
Contact us

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