2012
POSTGRADUATE
MEDICAL RADIATIONS

» Medical imaging
» Nuclear medicine

DETECTION,
DIAGNOSIS,
TREATMENT
Medical radiations is one of the most advanced and dynamic areas of clinical medicine today. The Master of Medical Radiations is specifically designed for graduates of a general science, biomedical science, biological science or other health-related degree, looking for a qualification and career in the area of medical radiations.

RMIT is the only tertiary institution in Victoria that offers a multidisciplinary approach to the education of medical radiations professionals. You will participate in several common curricular elements that combine program material from the three professional streams. Clinical skills will be developed in laboratory settings via computer-based simulations and clinical/industry experience (work-integrated learning) will be undertaken in a block each semester averaging five weeks in duration per semester.

Medical imaging deals with the use of ionising and non-ionising radiation for the purpose of investigation, diagnosis and treatment of human illness. Images of disease and injury are obtained using x-rays, computed tomography (CT), digital subtraction angiography (DSA), magnetic resonance imaging (MRI) and ultrasound (U/S).

At the completion of the program, you will be capable of:
- demonstrating knowledge of the physical principles of imaging techniques/methods
- demonstrating an understanding of anatomy, physiology and pathology
- undertaking a range of diagnostic imaging examinations relating to beginning practitioner skills
- communicating effectively with patients and other staff
- working in a multi-disciplinary healthcare team
- understanding the need for and participating in research relating to medical imaging
- practising the skills of medical imaging in a global environment.

Pathway
There is no formal articulation with the Master of Medical Radiations program. Credit may be given for Recognition of Prior Learning (RPL) for students entering the program with a previous master degree. RPL will be considered on an individual basis.

Career outlook
Most graduates are employed in either the public or private health care sector as diagnostic radiographers and most often work in teams with other healthcare professionals. Within the medical radiations profession, opportunities exist for expansion into business management, education and research. Graduates can also proceed to further study including the specialist fields of magnetic resonance imaging (MRI), computed tomography (CT) and ultrasound (U/S).

Professional recognition
The Master of Medical Radiations (Medical Imaging) is undergoing accreditation by the Australian Institute of Radiography (AIR). If you an Australian citizen or permanent resident, upon graduating you will be eligible to apply for a paid intern year position through the Postgraduate Medical Council of Victoria (PMCV). The intern year is not part of the program. There are also registration and licensing requirements with the Medical Radiation Practitioners Board and the Department of Human Services.

What you will study
The program consists of 192 credit points. The following is an example of courses offered.

Year one
- Imaging anatomy and pathology 12
- Introduction to pathology 12
- Medical imaging methods 1 & 2 24
- Medical imaging practice 1 & 2 24
- Medical imaging technology 1 & 2 24

Year two
- Computed tomography 12
- Magnetic resonance imaging 12
- Medical imaging 3 & 4 24
- Medical imaging technology 3 12
- Medical radiations technology 12
- MRI interdisciplinary applications 12
- Sonography 12
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RMIT is the only tertiary institution in Victoria that offers a multidisciplinary approach to the education of medical radiations professionals. You will participate in several common curricular elements that combine program material from the three professional streams. Clinical skills will be developed in laboratory settings via computer-based simulations and clinical/industry experience (work-integrated learning) will be undertaken in a block each semester averaging five weeks in duration per semester.

Nuclear medicine technologists are healthcare professionals who combine knowledge of biomedical and physical sciences with an understanding of patient care, in order to examine the physiology of organs and systems within the body. Nuclear medicine technologists typically use gamma camera technology and positron emission tomography (PET).

At the completion of the program, you will be capable of:

» demonstrating knowledge of the physical principles
» demonstrating an understanding of anatomy, physiology and pathology
» undertaking a range of diagnostic examinations and treatment procedures relating to beginning practitioner skills
» communicating effectively with patients and other staff
» working in a multi-disciplinary healthcare team
» understanding the need for and participating in research relating to nuclear medicine
» practicing the skills of nuclear medicine in a global environment.

Pathway
There is no formal articulation with the Master of Medical Radiations program. Credit may be given for Recognition of Prior Learning (RPL) for students entering the program with a previous master degree. RPL will be considered on an individual basis.

Career outlook
Most graduates are employed in either the public or private health care sector as nuclear medicine technologists and most often work in teams with other healthcare professionals. Within the medical radiations profession, opportunities exist for expansion into business management, education and research.

Professional recognition
The Master of Medical Radiations (Nuclear Medicine) is undergoing accreditation by the Australian and New Zealand Society of Nuclear Medicine (ANZSNM).

If you an Australian citizen or permanent resident, upon graduating you will be eligible to apply for a paid intern year position through the Postgraduate Medical Council of Victoria (PMCV). The intern year is not part of the program. There are also registration and licensing requirements with the Medical Radiation Practitioners Board and the Department of Human Services.

What you will study
The program consists of 192 credit points. The following is an example of courses offered.

Year one
- Imaging anatomy and pathology 12
- Introduction to pathology 12
- Nuclear medicine methods 1 & 2 24
- Nuclear medicine practice 1 & 2 24
- Nuclear medicine technology 1 & 2 24

Year two
- Computed tomography 12
- Magnetic resonance imaging 12
- Medical radiations technology 12
- MR interdisciplinary applications 12
- Nuclear medicine 3 & 4 24
- Nuclear medicine technology 3 12
- Sonography 12
Entrance requirements

Academic
You must have successfully completed an undergraduate degree with an 80% average or a grade point average 3.2 out of 4.0, which included studies in general science/physics, anatomy/physiology and research methods (or equivalent). Your undergraduate degree cannot be in the same professional stream as the Master of Medical Radiations in which you are intending to enrol.

International/non-Australian residents only
For the latest entrance requirements, please refer to our website: www.rmit.edu.au/programs/apply/international/entryrequirements

Extra requirements
You must submit a completed MC177 Master of Medical Radiations Supplementary Information form at the time of application. You must arrive by the stated enrolment date on the offer letter to undertake the compulsory induction sessions during Orientation Week. Late enrolments will not be permitted.

In order to undertake the clinical placements in the program, a police check and Working with Children check is compulsory. More information will be provided at enrolment.

Application procedures

Australian residents
Apply online at www.rmit.edu.au/programs/apply/direct
Timely applications for coursework programs are due by:
- 10 November each year (semester 1) and
- 31 May each year (midyear semester 2).
Applications will continue to be accepted until all places have been filled. You are encouraged to lodge your application early.

Midyear applications open on 1 May, visit www.rmit.edu.au/midyear

International/non-Australian residents
For the latest application procedures, please refer to our website: www.rmit.edu.au/programs/apply/international

Fees

Australian residents
What you pay will depend on whether you are offered a Commonwealth supported place (CSP) or a full-fee place. Financial assistance is available for eligible students regardless of the type of place you enrol in.

Full-fee place
Full-fee students are required to pay the complete cost of their program. The fees vary according to each program and are adjusted on an annual basis. Fees for a 2012 full-fee place are $24 000 per year of full-time study.

FEE-HELP
Australian citizens or holders of a permanent humanitarian visa are eligible to apply for a FEE-HELP loan for full-fee places. FEE-HELP enables eligible students to obtain a loan from the Australian Government to pay all or part of their tuition fees. The Government pays the amount of the loan directly to the student's institution. Students repay their loan through the taxation system once their income reaches the minimum threshold for compulsory repayment.

www.goingtouni.gov.au

Commonwealth supported places (CSP)
A Commonwealth supported place (CSP) is a place at uni where the fee is subsidised by the Australian Government. Your share of the fee is calculated according to the interest area you are studying. The following table shows a student’s annual share of the fee for full-time study in 2012.

<table>
<thead>
<tr>
<th>Interest Area</th>
<th>Your Student Contribution for Full-time Studies Commenced in 2012:</th>
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<tbody>
<tr>
<td>Mathematics, science, statistics</td>
<td>$4520 p.a.</td>
</tr>
<tr>
<td>Humanities, behavioural science, social studies, education, clinical psychology, foreign languages, visual and performing arts, nursing</td>
<td>$5648 p.a. (Band 1)</td>
</tr>
<tr>
<td>Computing, built environment, allied health, other health, engineering, surveying, agriculture</td>
<td>$8050 p.a. (Band 2)</td>
</tr>
<tr>
<td>Accounting, administration, economics, commerce, dentistry, medicine, law, veterinary science</td>
<td>$9425 p.a. (Band 3)</td>
</tr>
</tbody>
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Students who undertake more or less than a full-time study load, or who study courses from a combination of the above categories, will be charged the proportionate student contribution.

www.rmit.edu.au/programs/fees

Confirmation of fees for 2012 can be obtained from Info Corner on tel. 03 9925 2260.

Postgraduate Coursework Commonwealth Supported Equity Places
RMIT has a limited number of Commonwealth supported places (CSP) in postgraduate coursework programs for applicants who meet entrance and equity criteria. Instead of paying full-fees, the CSP equity place allows eligible students to complete their program with a choice of up-front, partial up-front or deferred payment options. These places are available in any program.

www.rmit.edu.au/programs/apply/equity

International/non-Australian residents only
For the latest fee information, please refer to our website:
www.international.rmit.edu.au/info/programfees.asp

Annual increase of full-fees
RMIT reserves the right to adjust fees on an annual basis by an amount that will not exceed 7.5% each year (subject to rounding). For higher education fees, tuition fees are rounded up to the nearest $10 per credit point increment, and so the actual fee increase may exceed 7.5%.

Financial assistance

Scholarships
Various scholarship opportunities exist for eligible master and PhD students. For scholarship details and eligibility criteria, visit www.rmit.edu.au/scholarships.

Income tax deductions
Australian students may be eligible to apply for income tax deductions relating to the education expenses that are linked to their employment. Students should check with an accredited taxation accountant/consultant as to their eligibility for possible deductions. The Australian Taxation Office (ATO) website may also be useful. For further information, visit www.ato.gov.au.

Every effort has been made to ensure the information contained in this publication is accurate and current at the date of printing. For the most up-to-date information, please refer to the RMIT University website before lodging your application. Prepared in September 2011. CRICOS provider number 00122A. 11928 0911