UNIVERSITY OF CANBERRA

Master of Medical Imaging (340JA.1)

Please note these are the 2022 details for this course

Domestic students

Selection rank	
Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.5 years
Faculty	Faculty of Health
Discipline	Discipline of Medical Radiation
UAC code	880845
English language requirements	There are non-standard English language requirements for this course. To be eligible you must have an overall IELTS Academic score (or equivalent) of 7.0, with no band score below 7.0. For alternate/equivalent ways of meeting the English requirements for this course please view the English Proficiency Requirements document on the university website. View IELTS equivalences

International students

Academic entry requirements	To study at UC, you'll need to meet our academic entry requirements and any admission requirements specific to your course. Please read your course admission requirements below. To find out whether you meet UC's academic entry requirements, visit our academic entry requirements page.

	View UC's academic entry requirements
Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.5 years
Faculty	Faculty of Health
Discipline	Discipline of Medical Radiation
CRICOS code	088964J
English language requirements	There are non-standard English language requirements for this course. To be eligible you must have an overall IELTS Academic score (or equivalent) of 7.0, with no band score below 7.0. For alternate/equivalent ways of meeting the English requirements for this course please view the English Proficiency Requirements document on the university website. View IELTS equivalences

About this course

An accelerated diagnostic radiography pathway

If you're a graduate but considering a career change, then the UC Master of Medical Imaging course offers an accelerated learning program that condenses a comprehensive three-year course into an internationally recognised Medical Imaging qualification in only 2.5 years.

Highly focused, engaging and interactive, the UC Master of Imaging course will help you become proficient in diagnostic radiography graduating six months earlier – thus gaining a highly competitive advantage over other similar courses elsewhere.

Successful completion of the course will allow you to apply for registration to practice as a Diagnostic Radiographer from the Medical Radiation Practice Board of Australia (MRPBA) and you'll be ready to forge ahead in your career as a competent and professional diagnostic radiographer.

The UC Master of Medical Imaging is an approved program of study by the Medical Radiation Practice Board of Australia (MRPBA) allowing graduates to gain registration as a diagnostic radiographer for employment in both public hospitals and private radiology practices in any state or territory in Australia and around the world.

The course is highly career-focused and includes ongoing Work Integrated Learning (WIL), offering specialised opportunities across multiple fields of diagnostic radiography, such as general radiography, mammography, angiography, magnetic resonance imaging (MRI), computed tomography (CT) and medical ultrasound.

Study a Master of Medical Imaging at UC and you will:

- gain advanced knowledge of scientific principles and concepts of all medical imaging techniques
- operate diagnostic radiographic instrumentation to optimise image quality and minimise radiation dose or other potential patient hazards
- understand protocols and methods associated with diagnostic and interventional radiographic examination procedures
- learn anatomy, physiology, pathology, radiation protection, biology, and dosimetry relevant to diagnostic radiography
- become familiar with normal and abnormal imaging appearances within current diagnostic radiographic procedures
- understand the role of a diagnostic radiographer within the wider healthcare team in Australia and internationally
- work with patient information management systems.

Work Integrated Learning (WIL)

WIL is a vital part of the Master of Medical Imaging program and has been created to give students hands-on experience using a broad range of x-ray units within a simulated and controlled lab environment.

This approach builds confidence and has been designed to ensure that all UC students are familiar with using real-world technology by the time they reach their first clinical placements.

As part of the training, each student will get to participate in clinical placements and residencies throughout the course. Each off-site WIL experience will give you the opportunity to interact with patients from a range of ethnic, age, gender and disability backgrounds – while also networking and building professional relationships with experienced industry professionals.

Please note: in some placements you may find your physical and emotional fortitude challenged as you come across potentially confronting medical images in detail, or work with those you may be severely injured or at the end stage of a terminal illness.

Career opportunities

A UC Master of Medical Imaging qualification is a globally recognised and respected degree that will allow graduates to progress competently and confidently into a career in any of the following positions:

- general radiographer
- mammographer
- angiographer
- magnetic resonance imaging (MRI) radiographer
- computed tomography (CT) radiographer
- clinical educator
- clinical researcher
- research manager

- vendor application specialist
- sonographer*

To gain accreditation in this field*, further postgraduate study is necessary.

Course-specific information

The Master of Medical Imaging is an approved program of study by the Medical Radiation Practice Board of Australia (MRPBA), and upon graduation, you will be able to apply for registration to practice in Australia as a Diagnostic Radiographer.

As part of the application you will be required to participate in an interview process and must:

- hold a completed bachelor's degree in any discipline, and
- have completed a minimum of two bachelor's degree-level units in human anatomy and physiology (0.25 EFTSU).

Assumed knowledge for entry is introductory psychology, introductory physics and introductory statistics at bachelor's degree level.

There are non-standard English language requirements for this course. To be eligible, you must have an academic IELTS of 7.0 overall, or equivalent, with no band score below 7.0.

Applicants will also be required to:

- undertake a National Police Check
- obtain Working with Vulnerable People registration
- provide your immunisation history
- have qualifications in first aid/CPR.

This course has an early closing date and:

- international students need to submit applications by 30 June every year
- domestic students need to submit applications by 31 October every year.

Graduating students will also be able to apply for a Statement of Compliance and membership with the Australian Society of Medical Imaging and Radiation Therapy (ASIMRT).

Professional accreditation

This course is accredited with the Australian Health Practitioner Regulation Agency (AHPRA) through the Medical Radiation Practice Accreditation Committee (MRPAC), the accreditation committee of the Medical Radiation Practice Board of Australia (MRPBA). Graduating students will be eligible to apply for registration as a Diagnostic Radiographer with the MRPBA.

Admission requirements

Applications closed for 2022.

Applicants must meet all of the following criteria:

A) a completed bachelor degree in any discipline

B) a minimum of two degree level units of anatomy and physiology.

Applicants who do not meet the minimum of two degree level units of anatomy and physiology can meet these requirements by completion of the following units (as non-award study):

- 6529 Systemic Anatomy and Physiology
- 9808 Regional Anatomy and Physiology

Further information on non-award study is available from https://www.canberra.edu.au/future-students/apply-now/cross-institutional-and-non-award-applications

Admission to this course is competitive. Applications will be assessed on the basis of academic merit and the number of available places. Please be advised that domestic applications open on the 1st September and close on the 31st October each year for the following year. International applications are accepted at any time. Please refer to the key dates (https://www.canberra.edu.au/future-students/apply-to-uc/key-dates) for further information.

Additional admission requirements

Applicants will be required to participate in an interview process.

Police clearance checks including working with children, immunisation and a current first aid certificate.

Assumed knowledge

Assumed knowledge for entry is introductory psychology, introductory physics and introductory statistics at bachelor degree level.

Periods course is open for new admissions

This course is not open for new admissions.

Credit arrangements

There are currently no formal credit transfer arrangements for entry to this course. Any previous study or work experience will only be considered as part of the application process in accordance with current course rules and university policy.

Course requirements

Master of Medical Imaging (340JA) | 72 credit points

Expand All | Collapse All

Required - Must pass 72 credit points as follows

Computed Tomography PG (10034) | 3 credit points — Level P

Imaging Anatomy G (10035) | 3 credit points — Level G

Imaging Pathology G (10036) | 3 credit points — Level G

Informatics and Image Processing G (10037) | 3 credit points — Level G

Medical Imaging Project Design PG (10039) | 3 credit points — Level P

Medical Imaging Research Project A PG (10040) | 3 credit points — Level P

Medical Imaging Research Project B PG (10041) | 3 credit points — Level P

MRS Practicum 1 G (10042) | 3 credit points — Level G

MRS Practicum 2 G (10043) | 3 credit points — Level G

MRS Residency 1 PG (6cp) (10044) | 6 credit points — Level P

Physical Principles of MRS G (10046) | 3 credit points — Level G

Radiation Biology and Dosimetry G (10047) | 3 credit points — Level G

Radiographic Imaging 1 G (10048) | 3 credit points — Level G

Radiographic Imaging 2 G (10049) | 3 credit points — Level G

Radiographic Imaging 3 G (10050) | 3 credit points — Level G

Radiographic Imaging 4 PG (10051) | 3 credit points — Level P

Radiographic Image Interpretation PG (6cp) (10052) | 6 credit points — Level P

Cross-Sectional Image Interpretation PG (10239) | 3 credit points — Level P

Research in Medical Radiation Science G (11476) | 3 credit points — Level G

Medical Radiation Science Residency 2 PG (9cp) (11477) | 9 credit points — Level P

- From S2/2019 the unit code for Medical Imaging Research Project A has changed to 11567 and the code for Medical Imaging Research Project B has changed to 11568.

In addition to course requirements, in order to successfully complete your course you must meet the inherent requirements. Please refer to the inherent requirements statement applicable to your course

Typical study pattern

UC - Canberra, Bruce

Accelerated Full Time, Semester 1 Commencing

Year 1

Practice 2

MRS Practicum 1 G (10042)

Semester 1

Imaging Anatomy G (10035)

Physical Principles of MRS G (10046)

Radiation Biology and Dosimetry G (10047)

Radiographic Imaging 1 G (10048)

Semester 2

Computed Tomography PG (10034)

Imaging Pathology G (10036)

Radiographic Imaging 2 G (10049)

Research in Medical Radiation Science G (11476)

Winter Term

Informatics and Image Processing G (10037)

Year 2

Practice 1

MRS Practicum 2 G (10043)

Practice 3

Medical Imaging Project Design PG (10039)

Semester 1

Radiographic Image Interpretation PG (6cp) (10052)

Radiographic Imaging 3 G (10050)

Radiographic Imaging 4 PG (10051)

Semester 2

Cross-Sectional Image Interpretation PG (10239)

MRS Residency 1 PG (6cp) (10044)

Medical Imaging Research Project A PG (11567)

Year 3

Semester 1

Medical Imaging Research Project B PG (11568)

Course information

Course duration

This course is an accelerated course and can be completed in five semesters and winter terms full-time. Maximum twelve semesters. This course is only available for full-time enrolment.

Learning outcomes

Learning outcomes	Related graduate attributes
Graduates will be able to demonstrate cognitive, technical and creative skills: - to a high level of ethical and interpersonal skills with patients from diverse background / cultures and with other health professionals so to effectively function as part of a health-care team; - in undertaking all routine diagnostic radiographic procedures including the selection of protocol consistent with the patient's medical condition to optimise image quality and minimise radiation dose or other potential patient hazards; - in the operation of diagnostic radiographic instrumentation to optimise image quality and minimise radiation dose or other potential patient hazards; - in designing, implementation and management of quality assurance programs for medical imaging applications; - a high level of autonomy, accountability, professional attitudes and attributes as a reflective practitioner; - to maintain professional development and be proactive in the profession of diagnostic radiography; and - in effective communications, problem solving and critical analysis.	UC Graduates are Professional and can: - employ up to date and relevant knowledge and skills; - communicate effectively; - use creativity, critical thinking, analysis and research skills to solve theoretical and real¿world problems; - work collaboratively as part of a team, negotiate, and resolve conflict; - display initiative and drive, and use their organisation skills to plan and manage their workload; and - take pride in their professional and personal integrity. UC Graduates are Global Citizens and can: - communicate effectively in diverse cultural and social settings; and - behave ethically and sustainably in their professional and personal lives.

	UC Graduates are Lifelong Learners and can: - evaluate and adopt new technology; - reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; - be self-aware. - adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas.
Graduates of the course will be expected to possess advanced knowledge of: - the scientific principles and concepts of all medical imaging techniques currently used in diagnostic radiographic clinical practice; - the protocols and associated techniques associated with diagnostic and interventional radiographic examinations procedures; - anatomy, physiology and pathology relevant to the practice of diagnostic radiography; - the normal and abnormal imaging appearances within current diagnostic radiographic procedures; - sociological aspects of illness and health-care; - the role of the diagnostic radiographer in the health-care team in Australia and internationally; - patient information management systems and digital imaging principles including their effective application in medical imaging; and - radiation protection, biology and dosimetry applicable to diagnostic radiography.	UC Graduates are Professional and can: - employ up to date and relevant knowledge and skills and - work collaboratively as part of a team, negotiate, and resolve conflict. UC Graduates are Global Citizens and can: - think globally about issues in their profession; - adopt an informed and balanced approach across professional and international boundaries; and - make creative use of technology in their learning and professional lives.

Awards

Award	Official abbreviation
Master of Medical Imaging	M MedImaging

Honours

None.

Enquiries

Student category	Contact details
Current and Commencing Students	Email Health.Student@canberra.edu.au
Prospective Domestic Students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)
Prospective International Students	Email international@canberra.edu.au or Phone +61 2 6201 5342

Download your course guide

Scholarships

Find the scholarship that's the right fit for you

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UC acknowledges the Ngunnawal people, traditional custodians of the lands where Bruce campus is situated. We wish to acknowledge and respect their continuing culture and the contribution they make to the life of Canberra and the region. We also acknowledge all other First Nations Peoples on whose lands we gather.