



## ENTRY REQUIREMENTS

Bachelor degree in medical radiation; radiography; allied health; mathematics; physics; biomedical engineering; computer science or an approved discipline.

## ENGLISH PROFICIENCY

Non-native English speakers must meet UQ's English Language Proficiency. Please view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>

## LOCATION

The University of Queensland, St Lucia campus or via remote online study.

## DELIVERY MODE

Internal or External

## TEACHING METHOD

All our programs are delivered online and on campus. All you need is a computer with reliable internet and word processing software such as Microsoft Word or Apple Pages. Masters candidates are required to have access to a MRI scanner at their workplace or at the Centre by arrangement. Course materials are delivered through Blackboard, the University's electronic learning management platform.

## WHEN TO APPLY?

With two intakes per semester per year, your study options are endless. See UQ's Future Students website for admission and enrolment dates for both domestic and international candidates. <https://future-students.uq.edu.au/apply>

## FURTHER INFORMATION

The Centre for Advanced Imaging  
The University of Queensland  
Brisbane QLD 4072  
AUSTRALIA

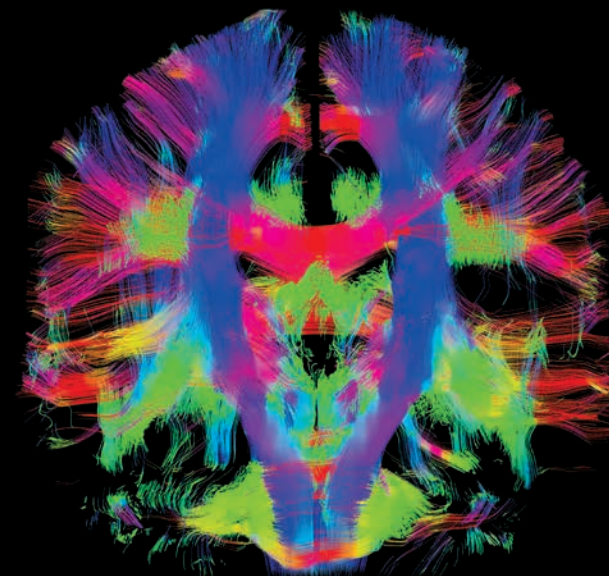
**Phone:** +61 7 3365 8263  
**Email:** [education@cai.uq.edu.au](mailto:education@cai.uq.edu.au)  
**Web:** [cai.centre.uq.edu.au/study](http://cai.centre.uq.edu.au/study)

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# CENTRE FOR ADVANCED IMAGING

## Postgraduate Coursework in Magnetic Resonance Technology



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[cai.centre.uq.edu.au/study](http://cai.centre.uq.edu.au/study)

## ABOUT THE CENTRE FOR ADVANCED IMAGING

The Centre for Advanced Imaging (CAI) provides a rich collaborative environment for postgraduate students providing them with skills and the latest innovative techniques in imaging technology. CAI houses the most comprehensive and advanced range of magnetic resonance instrumentation in the southern hemisphere, including 3, and 7 Tesla whole body scanners.

## OUR GRADUATES: MARK DENHAM

Mark Denham enrolled in the **Master of Magnetic Resonance Technology** to progress his career as a medical radiographer.

The Masters degree helped Mark gain his job as Magnetic Resonance Imaging (MRI) Services Manager at Nambour General Hospital, where he is responsible for maintaining high clinical and administrative standards, including a safe environment for staff and patients.

Mark studied externally as this helped his life/work balance. As an external student he had access to all the recordings and course materials anytime he wanted to study.

He chose to study his Masters via the online program offering at the Centre for Advanced Imaging because of the multidisciplinary expertise in radiography and other imaging technology.



## WHY STUDY MAGNETIC RESONANCE TECHNOLOGY AT CAI?

Magnetic Resonance Technologists are in strong demand. Get the competitive edge by gaining formal postgraduate qualifications in this exciting imaging modality.

No experience in MRI is required for course entry and access to an MRI scanner is not required for the first two levels of the program.

The four core courses of the Graduate Certificate are centred on the physics and technology surrounding magnetic resonance, and from there you can tailor your choice of electives to best suit your interest and practice needs.

Our programs are eligible for Continuing Professional Development points (CPD) from a number of professional bodies world -wide.

## WHO ARE THE PROGRAMS DESIGNED FOR?

Our programs are designed for radiographers, biomedical engineers and other health professionals working with Magnetic Resonance Imaging equipment. The programs are aimed at technologists rather than practitioners.

Learn within a multidisciplinary environment. All CAI programs reflect the teaching teams experience as radiographers, medical practitioners, medical physicists, chemists and engineers.

## PROGRAMS OFFERED

### Graduate Certificate in Magnetic Resonance Technology

*Program Code 5036, CRICOS Code 034045F*

8 units (1 semester full-time or part-time equivalent)

### Graduate Diploma in Magnetic Resonance Technology

*Program code 5096, CRICOS code 034046E*

16 units (1 year full-time or part-time (equivalent))

### Master of Magnetic Resonance Technology

*Program code 5193, CRICOS Code 034047D*

24 units (1.5 years full-time or part-time equivalent)



## PROGRAM OF STUDY

### Core courses for all programs

- MRES7100 Magnetic Resonance Imaging Fundamentals
- MRES7002 Magnetic Resonance Instrumentation
- MRES7003 MR Safety Imaging and Monitoring
- MRES7400 Pulse Sequence Construction and Image Contrast

### Elective courses (Graduate Diploma and Masters)

- ACCT7101 Accounting
- MGTS7601 Managing Organisational Behaviour
- MGTS7603 Strategic Human Resource Management
- MRES7005 Fast Imaging Techniques
- MRES7006 Vascular Imaging
- MRES7007 Diffusion and Perfusion Imaging
- MRES7008 Functional Magnetic Resonance Imaging
- MRES7009 Magnetic Resonance Spectroscopy and Applications
- MRES7013 Fundamental MRI of the Brain and Spine
- MRES7014 Fundamental Musculoskeletal MRI
- MRES7016 Cardiac MRI, Techniques and Applications
- MRES7017 Breast MRI
- MRES7023 Medical Image Processing and Analysis
- MRES7024 Advanced Techniques in Magnetic Resonance Imaging
- MRES7025 MR Clinical Practice

### Graduate Diploma research course (compulsory)

- MRES7010 Minor Project

### Masters research courses

- MRES7015 Independent Clinical MRI Project \*
- MRES7018 Advanced Research Project \*

\* One research project compulsory at Masters level.