



Entry requirements

Bachelor degree in mathematics, physics, chemistry, biology, medical imaging, medical radiation, radiography, allied health, biomedical engineering, computer science, or an approved discipline. Applications on the basis of post-secondary study and work experience in a related field will be individually assessed.

English proficiency

Non-native English speakers must meet UQ's English Language Proficiency. View the policy at future-students.uq.edu.au/english-requirements

Location

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

Delivery mode

Internal or External

Teaching method

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

When to apply

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

Further information

W: cai.centre.uq.edu.au/study
T: +61 7 3365 8263
E: education@cai.uq.edu.au

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 facebook.com/UQ.CAI
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CRICOS Provider 00025B



Centre for Advanced Imaging
cai.centre.uq.edu.au/study

Postgraduate Coursework in Magnetic Resonance Technology



The University of Queensland's (UQ) Centre for Advanced Imaging (CAI) is at the forefront of imaging science and is the only centre of its kind in Australia. The Centre is also a research platform for UQ Neurosciences – one of UQ's research strengths.

CAI's vision is to be a world leader in the development and application of cutting-edge imaging science and technology, through innovation, translation, education and collaboration. The Centre is an integrated, multimodal research facility, encompassing a rich collaborative environment to enhance the student experience.

Learn from leading experts in the field

Led by industry experts and a multidisciplinary team of researchers, our education programs offer students a unique learning experience involving industry skill development and clinical practice.

Premier learning facilities

Study at CAI and receive a competitive edge learning with the latest technology. CAI offers state-of-the-art facilities including \$50 million of imaging technology dedicated to advanced imaging education and research.

Our graduates

Shona Perring

Senior MRI Technician, BR Radiology



"I completed the **Master of Magnetic Resonance Technology** at UQ CAI in 2018. CAI offers an external study mode which offers the flexibility to maintain a great work-life balance. As an external student, I had the advantage to continue working full-time as an MRI radiographer throughout the program.

Obtaining my master's degree not only gave me the opportunity to advance my career as a Senior MRI Technician, but also improved my skills as a radiographer to work at a higher clinical standard. The knowledge I gained in the last two years has assisted my management of MRI departments and enabled me to work closer with my colleagues, especially with our radiology team.

The mindset I developed through the program provided me with more confidence in my everyday clinical abilities, as well as open career development opportunities."

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.

Programs offered

Graduate Certificate in Magnetic Resonance Technology

Program Code 5036 • CRICOS Code 034045F

Program duration

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

Graduate Diploma in Magnetic Resonance Technology

Program code 5096 • CRICOS code 034046E

Program duration

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

Master of Magnetic Resonance Technology

Program code 5193 • CRICOS Code 034047D

Program duration

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

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.

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 & 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.



Did you know most MRI scanners in the world use technology invented at The University of Queensland?