The importance of Molecular Imaging to applied life sciences is steadily increasing, with a world-wide demand for skilled leaders in this new approach to biomedical imaging.

Molecular Imaging offers a unique insight into the human body through detailed pictures of what is happening inside the body at the molecular and cellular level. This allows health professionals to provide informed, personalised care to their patients.

The Master of Molecular Imaging is a unique program that has been designed to meet the needs of this growing area of science. The program is taught in collaboration with the University of Sydney, which allows you to undertake courses at both institutions.

This program is perfect if you are a chemist, biologist, physicist, computer scientist, engineer, radiographer or a nuclear medicine technologist wanting in-depth knowledge of this new biomedical imaging approach.

**UQ Advantage**
This unique program has been developed by UQ and the University of Sydney in response to industry demand. The program is designed to produce graduates that will become leaders in this evolving field.

**Multidisciplinary learning environment**
Together with students from a wide range of backgrounds, including physics, chemistry, biology, medical science, pharmacy, computer science and engineering, you will work to solve problems by drawing on your complementary knowledge and skills.

Your teaching team reflects the multidisciplinary nature of the program with expertise as chemists and radiochemists, medical physicists, radio-pharmacologists, radio-physicists, biologists and engineers.
Career opportunities
This program will give you an in-depth knowledge of new biomedical imaging approaches in this exciting, growing field. Use the Master of Molecular Imaging as a springboard for a rewarding career in roles such as:
• a radio-pharmacist, physicist or engineer in the biotechnology sector
• clinical imaging technologist
• as a pathway for Research Higher Degree program such as a PhD.

Entry requirements
Master of Molecular Imaging
Bachelor degree in applied science, medical imaging, chemistry, pharmacy, physics, computer science or electrical and biomedical engineering or an approved discipline.

Program structure
Master of Molecular Imaging
• 24 units (1.5 years full-time or part-time equivalent)

Part A – foundation courses in molecular imaging

Part B – advanced courses in magnetic resonance and molecular imaging

Part C – advanced research project

Teaching mode
All courses are taught by flexible delivery. External students do not need to attend tutorials on campus. You can study with us whether you are based elsewhere in Australia or overseas, as long as you have access to the Internet. On-campus study is also possible for students choosing this option.

Sample course list
• Molecular targets and imaging probes
• Clinical molecular imaging
• Cell-labelling and tracking technologies in MR and molecular imaging
• Advanced techniques in magnetic resonance imaging
• Advanced Molecular Imaging
• Medical Image Processing and Analysis.

Course Structure

1. Molecular targets and imaging probes
2. Radiotracer based molecular imaging
3. Fundamentals of MRI
4. Clinical molecular imaging
5. Advanced MRI techniques
6. Molecular imaging advanced
7. Cell labelling and molecular imaging conjugates
8. Pathological correlates of molecular imaging

Elective 1
Elective 2
Dissertation
Research project
Elective 1

Master of Molecular Imaging award

How to apply
International applicants
Information about application procedures for international students can be found at www.uq.edu.au/international-students/application-instructions

Domestic applicants
Complete the online application form at www.uq.edu.au/study

Enquiries – International applicants
W: uq.edu.au/international-students/enquire-online
E: study@uq.edu.au
P: +61 3 8676 7004

Enquiries – Australian students
E: science.enquiries@uq.edu.au
P: 07 3365 1888

Time of publication: Every effort has been made to ensure the accuracy of information in this document at the time of publication. The authoritative source of program and course information is the UQ Courses and Programs website at uq.edu.au/study. Where any conflict of information exists, the rules and associated course lists approved by the UQ Senate shall apply.