Master of Applied Science (Medical Physics)

These courses deal with well-established and emerging areas of medical and health physics including clinical measurement, computing, health physics, instrumentation, medical electronics, medical imaging, physiological monitoring, physics of radiotherapy, radiobiology, and radiological imaging sciences. The coursework also contains an introduction to the clinical sciences.

Entry requirements

Academic entry requirements
A completed recognised bachelor degree (or higher award) in physics or in science with a major in physics.

Minimum English requirements
Students must meet the English proficiency requirements.

<table>
<thead>
<tr>
<th>IELTS (International English Language Testing System)</th>
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<tbody>
<tr>
<td>Overall</td>
<td>6.5</td>
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<tr>
<td>Listening</td>
<td>6.0</td>
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<tr>
<td>Reading</td>
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<tr>
<td>Writing</td>
<td>6.0</td>
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<tr>
<td>Speaking</td>
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Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for part-time students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Accurate as at 24 January 2020. For the latest information see: https://www.qut.edu.au/courses/master-of-applied-science-medical-physics

Lucy Sim
Real graduate

'I chose to study medical physics at QUT because it allows me to follow my goal to improve cancer treatments for the future. My research spans medicine, nanotechnology and physics. With work placements and training, I am in a continual learning environment where I can help solve problems that have a real clinical impact.'
Master of Applied Science (Medical Physics)

Careers and outcomes
Graduates can seek employment in hospitals, health departments, tertiary institutions and medical instrumentation companies. Depending on the field of employment, graduates may be known as a medical physicist, health physicist or bio-engineer. Professional medical/health physicists:

- apply electronic tools and medical software, ultrasonics, radiation and computers to clinical and environmental problems
- monitor the environment to maintain acceptable standards in the workplace and the community
- apply fundamental physical research in development programs
- are responsible for calibration, care and maintenance of instruments and apparatus.

Professional recognition
The course is accredited by the Australasian College of Physical Sciences and Engineers in Medicine.