

Tohu Paerunga Mātai Ahupūngao Hauora me te Whakaahua Whakaora Postgraduate Medical Physics and Imaging Technology



Medical Physics and Imaging Technology is the application of physics theories, technologies and methods in the field of biomedical imaging, modelling, diagnostics and disease treatments.

This programme involves extensive specialist training in imaging and physiology that may create a pathway to proceed to further postgraduate study in Medical Physics, Biophotonics, Biomedical Imaging or Biophysics.

Courses available in this subject include:

- > Condensed Matter Physics
- > Advanced Biomedical Imaging
- > Stem Cells and Development
- > Biomedical MRI
- > Quantum Optics
- > Pharmacometrics
- > The Dynamic Universe
- > Waves and Potentials
- > Reproductive Science
- > Integrative Physiology

Choosing your supervisor

Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

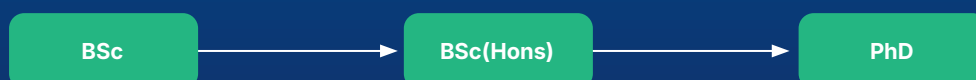
Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times.

Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Scholarships

You can apply for a range of scholarships when you apply for postgraduate study in Science.

auckland.ac.nz/science-scholarships



Career opportunities

There is a real need in the biomedical industries for graduates who are proficient in the complementary areas of physics, biology and physiology, and skilled in the design and application of Imaging Technologies.

Te Whatu Ora - Health New Zealand and companies such as Cubic Health and Orion Health require medical physicists with the specific skillset required in biophotonic, biomedical imaging and instrumentation.

Our graduates have been employed in the following jobs:

- › Medical physicist, Te Whatu Ora
- › Optics engineer, Cubic Global Defense
- › Software test engineer, Orion Health
- › Scientific officer, Te Toka Tumai Auckland
- › Analyst programmer, Agility CIS
- › Consultant, SMS Management and Technology Ltd

Other jobs related to Medical Physics and Imaging Technology include:

- › Health analyst
- › Medical physicist
- › Scientific advisor

This subject is available in:

- › Bachelor of Science (Honours)
- › Doctor of Philosophy

You may also be interested in our programmes in Biological Sciences, Geophysics, Mathematics and Photonics.



Find out more about how your degree will be structured and what courses you need to take at

auckland.ac.nz/science/pg-med-physics

Applications close on 8 December.



"The Honours degree in Medical Physics and Imaging Technology enabled my direct admission into a PhD programme in Physics at the University of Auckland."

Fang Ou (Rachel)

Graduated with a Bachelor of Technology (Honours) in Medical Physics and Imaging Technology (currently offered as the BSc(Hons) in Medical Physics and Imaging Technology). Graduated with a Doctor of Philosophy in Physics.

Kuhua ki tō mātou hāpori, ā, Kimihia tōu Pūtaiao.
Join our community and find your Science.



Disclaimer: The information in this document is a general guide only for students and subject to alteration. All students enrolling at the University of Auckland must consult its official Calendar, to ensure that they are aware of and comply with all regulations, requirements and policies. [2026]

Have any questions?
Contact the Student Hub

auckland.ac.nz/student-hubs