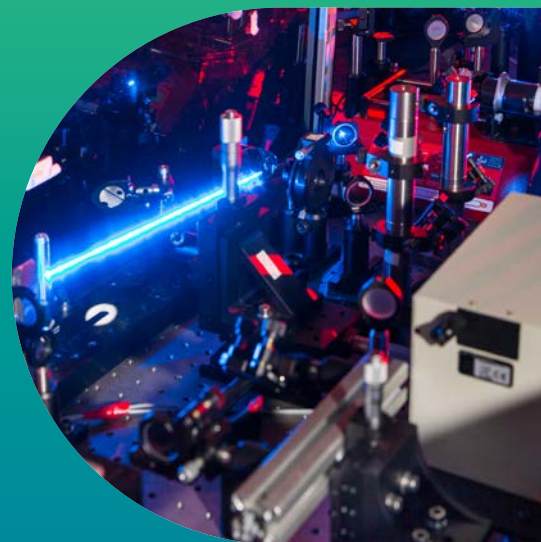


Tohu Paerunga Ahupūngao Postgraduate Physics



Whether your interest lies in pure physics or a multi-disciplinary field, postgraduate study in Physics offers you a wide range of research options.

From inventing new kinds of lasers, creating innovative technologies to diagnose illness in living tissue, understanding the Earth's changing climate, and searching for planets around distant stars, to understanding the connections between particle physics and the Big Bang, our graduates are well-equipped to work in industry and academia.

You will gain an understanding of the nature of the physical world, alongside training in experimental methods, and the mathematical analysis of physical processes.

Courses available in this subject include:

- > Advanced Quantum Mechanics
- > Astrophysics
- > Advanced Imaging Technologies
- > Lasers and Photonic Technologies
- > Subsurface Imaging with Seismic and Radar Waves
- > The Physics of Climate
- > Optoelectronics and Communications

Choosing your supervisor

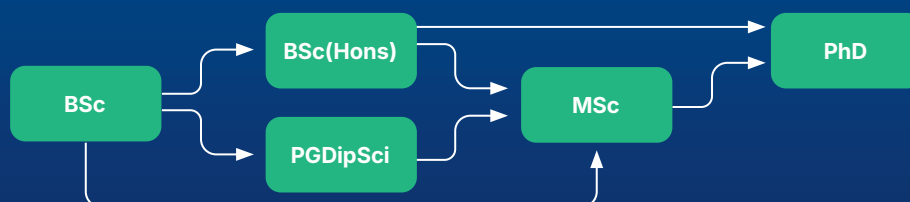
Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

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

All of modern science and technology is underpinned by physics and our vibrant research programme illustrates the variety of topics tackled by physicists.

Graduating from a postgraduate programme in Physics opens the door to a range of opportunities for a career in research, business, finance, IT and engineering sectors.

You will get the skills you need to succeed and work in a host of interesting jobs in New Zealand and around the world.

Our graduates have been employed in the following jobs:

- › Director of software engineering, MMI S.r.l
- › Photonics researcher, LGS Innovations
- › Chief scientific officer, ADM Diagnostics LLC
- › Consultant medical physicist, The Australasian College of Physical Scientists and Engineers in Medicine
- › Meteorologist, hydro & meteo GmbH & Co. KG
- › R&D scientist, Fisher and Paykel Healthcare
- › Product development, Quantifi Photonics
- › Patent attorney, A J Park

This subject is available in:

- › Bachelor of Science (Honours)
- › Postgraduate Diploma in Science
- › Master of Science
- › Doctor of Philosophy

You may also be interested in our programmes in Biological Sciences, Geophysics, Mathematics, Medical Physics and Imaging, 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-physics

Applications close on 8 December.



"The fundamental laws that govern our universe have interested me since I was young. I enjoy seeing how we can take a small number of essential principles and use them to understand a multitude of diverse phenomena."

Caleb Todd

BSc in Physics and Mathematics, BSc (Hons) 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