

Tohu Paerunga Pāngarau Postgraduate Mathematics

Postgraduate study in Mathematics enables you to indulge your academic enthusiasm or satisfy your intellectual curiosity, and at the same time provide you with advanced knowledge and problem-solving skills to open up many career opportunities, including mathematics education.

A postgraduate qualification in Mathematics will provide you with advanced knowledge and understanding across a broader and deeper range of topics. It will give you an opportunity to learn about research, conduct your own research, make new discoveries and develop new ways of looking at things.

Courses available in this subject include:

- › Complex Analysis
- › Functional Analysis
- › Logic and Set Theory
- › Number Theory
- › Graph Theory and Combinatorics
- › Group Theory
- › Mathematics Education: Mathematical Processes
- › Measure Theory and Integration

Choosing your supervisor

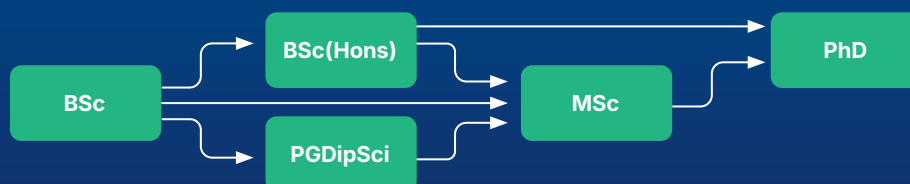
Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

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

A good mathematical background enhances and develops your problem-solving skills, comprehension of abstract concepts, and analytical and creative thinking.

These skills are valued qualities in technical roles and positions of leadership and management - and can open up new career opportunities, and enhance your earning potential.

Our Mathematic graduates take up positions in business, industry or government, research and teaching, computer development and programming, systems analysis, operations research and many other fields.

Our graduates have been employed in the following jobs:

- › Mathematician, University of California (Berkley)
- › Software engineer, Google Inc
- › Researcher, Microsoft Corporation
- › Managing partner, Park Avenue Value Partners LLC
- › Postdoctoral researcher, Weill Cornell Medical College
- › Principals and managing broker, Cornerstone Property Professionals LLC
- › Senior analyst, Defence Science and Technology Organisation
- › Game Designer, Bally Technologies

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 Applied Mathematics, Computer Science, Physics and Statistics.



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

auckland.ac.nz/science/pg-maths

Applications close on 8 December.



"Everyone involved in the programme is passionate about mathematics and committed to helping you learn and succeed."

Isabelle Steinmann
Masters in Mathematics.

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