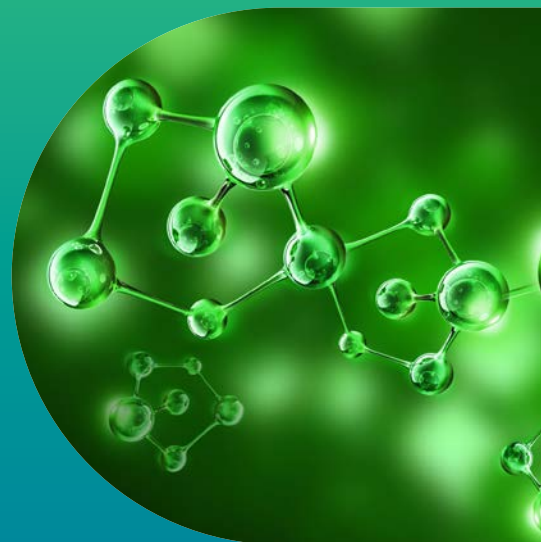


Tohu Paerunga Pūtaiao Matū Kākāriki Postgraduate Green Chemical Science



Postgraduate study in Green Chemical Science aims to equip you with the necessary skills and knowledge to make important contributions to scientific research in this field.

You will learn about the design and implementation of new manufacturing processes that are benign to the environment and are not hazardous to human health, global warming and sustainable energy sources, full life cycle concepts and assessments, recycling, and the use of green production strategies, including biorefineries and enzymatic transformations.

Courses available in this subject include:

- › Advanced Green Chemistry
- › Modern Methods for the Synthesis of Bioactive Molecules
- › Environmental Pollution
- › Advanced Inorganic Chemistry
- › Nanomaterials and Nanotechnology
- › Biomolecular Chemistry

Choosing your supervisor

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

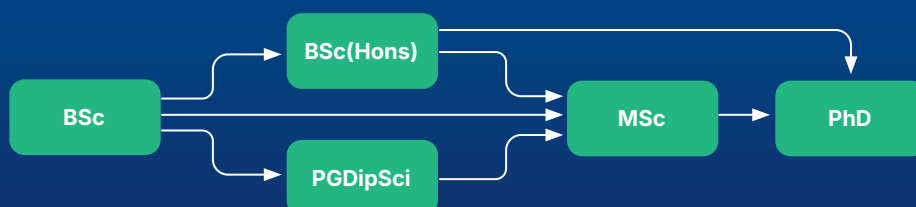
Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times.

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 buoyant and interdisciplinary field.

Businesses both here and overseas are fast realising that green chemical science approaches can lessen a company's environmental impact, increase their profit margins and improve consumer relationships. What's good for the planet is good for business, and the demand for greener processes means there's an increasing number of jobs available in the sustainability science arena.

Green Chemical Science graduates may find themselves in multi-faceted spaces working alongside people with different skill sets to deliver the best products and processes. As a graduate of this interdisciplinary specialisation, you'll be equipped with the necessary skills and knowledge to take advantage of these career opportunities, and to contribute to society in a meaningful and informed way.

Our graduates have been employed in the following jobs:

- › Chemist
- › Environmental scientist or consultant
- › Sustainability scientist
- › Chemical policy advisor
- › Hazard analyst or communication expert
- › Scientific adviser
- › Research scientist

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, Food Science, Forensic Science, Medicinal Chemistry and Wine Science.



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

auckland.ac.nz/science/pg-green-chem

Applications close on 8 December.



"My area of research is centred around developing a novel and scalable technology, known as high-energy ball milling, to effectively destroy toxic chemicals at a molecular level."

Kapish Gobindlal
Doctor of Philosophy in Chemistry.

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