

Mātai Pūtaiao Matū Toitū

Undergraduate Green Chemical Science



Green Chemical Science involves the use of chemical principles, science and technology to advance society in ways that are sustainable and safe for the environment

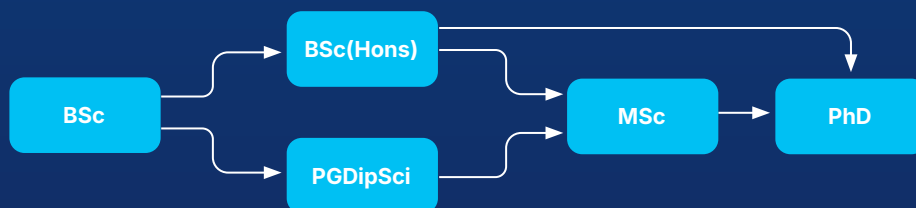
What you will learn

The approaches used in Green Chemical Science often involve interdisciplinary studies in catalysis, synthesis, toxicology, analytical methodology, materials science and biochemistry, in order to tackle global issues and problems that impact on sustainability.

As a Green Chemical Science student you'll have an interdisciplinary and highly practical learning experience. You'll study topics including pollution elimination, clean water production, production of materials from renewable feedstocks, mitigation of global warming, and the development of renewable energy technologies.

You can study Green Chemical Science as a specialisation in the Bachelor of Science (BSc).

If you're interested in studying Green Chemical Science with us, it's a good idea to take chemistry in high school. High school biology is beneficial, but it's not essential. Mathematics, statistics or physics also provide helpful numerical knowledge.



Career opportunities

A buoyant future in an interdisciplinary field

Businesses both here and overseas are fast realising that sustainability and reducing waste 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 area of sustainable science.

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.

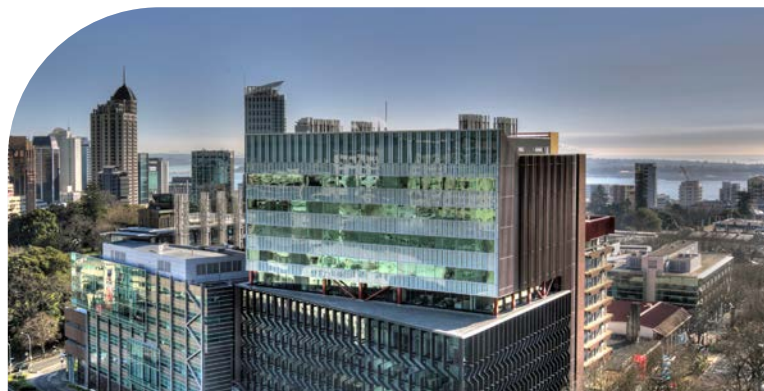
As a graduate of this specialisation you'll be equipped with the necessary skills and knowledge to take advantage of these career opportunities, and to contribute to society in a meaningful and informed way.

Jobs for our Green Chemical Science graduates include:

- › Biochemist
- › Chemist
- › Sustainability consultant
- › Environmental consultant
- › Environmental scientist
- › Research chemist
- › Scientific adviser

What you can study

- › Pollution elimination
- › Clean water production
- › Production of materials from renewable feedstocks
- › Mitigation of global warming
- › Development of renewable energy technologies



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

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

Applications close on 8 December.



"I was excited to discover Green Chemical Science as an option because it instantly felt like a perfect fit for me.

"I have always wanted to go into a sustainability-related field, as I feel a moral obligation to the environment. Green chemistry has an environmental component and seems more applicable and currently relevant."

Araliya De Zoysa
BSc Green Chemical Science

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. [2025]

Have any questions?
Contact the Student Hub

auckland.ac.nz/student-hubs