

Mātai Matū Undergraduate Chemistry



Chemistry is the science of atoms and molecules. If you want to understand the structure and properties of the world around you, then Chemistry is the science for you. It's a central science, and underpins fields as diverse as biology, geology, environmental science, medicine and engineering.

What you will learn

The University of Auckland is New Zealand's leading University¹, and studying Chemistry with us means you'll have access to award-winning laboratory facilities, and academics who are leaders in their field.

Chemistry deals with molecular structure and synthesis, chemical reactions and theoretical models that explain molecular behaviour. The study of Chemistry leads to new substances, better processing reactions and greater understanding of materials, biological processing and the environment.

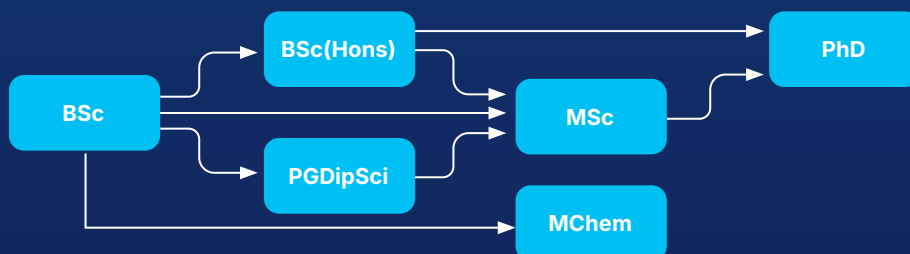
If you'd like to study Chemistry with us, it would be beneficial to have studied chemistry at high school. Mathematics and physics also provide helpful numerical knowledge, but they're not essential.

Choosing a subject

With so many options it's sometimes hard to choose what you want to study, but we've got you covered. You can study a double major with our Bachelor of Science to gain a broader base of skills and knowledge.

Complementary majors include:

- > Anthropological Science
- > Biodiversity, Ecology and Evolution
- > Cell and Molecular Bioscience
- > Earth Sciences
- > Environmental Science
- > Geography
- > Mathematics



Career opportunities

A career with wide-ranging prospects

Chemistry is an extraordinarily multi-disciplinary science. The interaction with other sciences has an enormous influence on our modern lifestyle and standard of living.

Future opportunities for Chemistry graduates are many and varied. You may offer future employers an ability to think logically, analyse complex systems and communicate clearly.

You may end up working in the fields of food, paper, brewing, paint and plastics, ceramics, metals and agricultural products. You could also work in Public Research Organisations, medical and diagnostic or Government laboratories, and police forensic units.

Our Chemistry graduates have gone on to careers like these:

- › Postdoctoral Research fellow, Harvard University
- › Teacher, Aorere College
- › Business Development Director, My Green Lab
- › Laboratory assistant, AsureQuality
- › Assistant Professor, NTU Singapore
- › Patent Attorney, Germany
- › Project engineer, Woodside Energy
- › Teacher, Macleans College
- › Senior Scientist, NPL, UK

What you will study

- › Chemistry of the living and material worlds
- › Spectroscopy
- › Properties of matter
- › Nano-materials
- › Organic chemistry
- › Molecular synthesis
- › Modelling chemical processes
- › Green chemistry
- › Biomolecular chemistry
- › Materials chemistry



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

auckland.ac.nz/chemistry

Applications close on 8 December.



"What I love about studying Chemistry is the strong connection of both the scientific practice, inquiry, and learning, as well as discovering the art of the field both in and out of the theoretical and practical learning environments. As a lover of challenges and puzzles, Chemistry and Psychology enable me to be as creative as possible to formulate ideas in an attainable way guided by awesome academic staff, postgraduate students, and peers. The University of Auckland Top Achiever Scholarship for 2019 has enabled me to form important and cherished friendships and memories at the University Halls of Residence."

Eugene In
BSc in Chemistry and Psychology

Kuhua ki tō mātou hapori, 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