The research conducted by biologists and life scientists now routinely requires computation and complex data analysis.

What you will learn

Computational Biology is designed to equip people with fundamental knowledge and skills across biology, computer science, mathematics and statistics in order to develop computational biology, genetics and bioinformatics skill sets.

Learn how to develop algorithms, methods and models to understand biological systems, evolution and relationships.

There are many routes into a degree in Computational Biology. If you’ve done any one of these subjects at high school, you will be well-equipped to get started: biology, chemistry, computer science, mathematics, statistics, physics.

Complementary subjects

Computational Biology is studied as a specialisation in the Bachelor of Advanced Science (Honours) degree, or BAdvSci(Hons).

As a Computational Biology student you’ll take a range of complementary courses from the following subject areas:

- Biological Sciences
- Biomedical Science
- Chemistry
- Computer Science
- Mathematics
- Statistics

No.1 in New Zealand for Employability²

Conjoint a BSc to study 2 degrees at once.