Mathematics has many faces. It can be challenging, powerful, fascinating, even mysterious – but above all it is useful. Wherever problems need to be solved, mathematics has a role to play. The University of Auckland is ranked first in New Zealand, and in the top 50 in the world, for mathematics.

About the department

The Department of Mathematics has an excellent reputation. Our staff include world leaders in many areas of theoretical and applied mathematics. We are known for high-quality teaching and we have a strong focus on student wellbeing and achievement.

Our degrees and diplomas enjoy widespread recognition from employers in New Zealand and throughout the world. Staff in the department serve their communities by being involved in a wide range of projects and organisations.

Whatever your background or interests in Mathematics may be, we welcome you to our department. If you need assistance with course advice, please contact us and our friendly staff will help you. We look forward to meeting you.

What you will learn

Mathematics makes essential contributions to the biological, information and physical sciences, economics, engineering and finance, but can also be applied to communications, linguistics and genetics. As a Mathematics student you’ll study aspects of both pure and applied mathematics, and you’ll be exposed to critical and meta-mathematical thinking: skills that are highly valued by employers.

Prerequisites

The Department of Mathematics would be glad to have you in our courses, no matter what you’ve studied in high school. However, if you’re keen to jump straight in to some of our more advanced first-year courses, we recommend you take some calculus before starting your University studies. In particular, we recommend Year 13 differentiation and integration.

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:

- Computer Science
- Information and Technology Management
- Environmental Physics
- Logic and Computation
- Physics
- Statistics

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In New Zealand for Employability

Conjoint a BSc to study 2 degrees at once