



THE UNIVERSITY OF  
**WAIKATO**  
*Te Whare Wānanga o Waikato*

**KNOW WHERE YOU STAND**  
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Computing & Mathematical Sciences  
Rorohiko me nga Putaiao Pāngarau



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## Bachelor of Science/Bachelor of Computing & Mathematical Sciences

Mathematics



# BSc/BCMS MATHEMATICS

*Mathematics is an important subject. It underpins many activities of modern society.*

A graduate with a mathematics degree, or with a strong mathematical component to their degree, is a valuable person in today's world.

Studying mathematics in combination with another subject means you can work in other fields, such as chemistry, biology, earth science, computing, economics, finance, engineering, physics, electronics, banking and meteorology, to name just a few.

Mathematics is used in almost every type of business, large and small. It can be profitable and exciting.

There is also a shortage of qualified mathematics teachers in New Zealand.



## Potential Employers

District/City Councils

Government Organisations

eg Reserve Bank, Treasury, Crown,  
Ministry of Economic Development

Research Institutes

Private Sector

eg power companies, banks

Secondary Schools



## Career Opportunities

Financial Analyst

IT or Computing Analyst

Mathematical Modeller

Data Analyst

Actuary

Secondary School Teacher



## Mathematics at Waikato

Students may choose to specialise in one of the following in conjunction with their Mathematics major:

» Economics

» Finance

Able students should also consider the flexible double major options in Mathematics and Computer Science or Mathematics and Statistics.

Students can also usefully take mathematics papers (courses) as part of their studies in many other disciplines.

Admission to the paper MATH101 *Introduction to Calculus* is open to students who have at least 16 credits at NCEA level 3 in *Mathematics with Calculus*. Admission to the paper MATH102 *Introduction to Algebra* is open to students who have either (i) at least 14 credits at NCEA level 3 in *Mathematics with Calculus*, or (ii) at least 18 credits at NCEA level 3 in *Statistics and Modelling*. These are guaranteed entry requirements, but those without these requirements will be considered on a case-by-case basis.

