

There is a shortage of mathematically and computationally competent graduates in all areas worldwide; and they make their way to the very top.

## Get Yourself Ready Now!

### Studying

- Mathematics
- Computer Science
- Statistics
- Physics

in your first year and beyond, leads to great careers in:

- Architecture
- Biotechnology
- Business
- Commerce
- Computing
- Consulting
- Defense
- Economics
- Education
- Engineering
- Finance
- Food Science
- Management
- Optometry
- Planning
- Marine Science
- Medicine
- Research
- Sport Science



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The Mathematical and Computational Sciences

# Open doors to the future



[www.math.auckland.ac.nz](http://www.math.auckland.ac.nz)  
[www.stat.auckland.ac.nz](http://www.stat.auckland.ac.nz)  
[www.cs.auckland.ac.nz](http://www.cs.auckland.ac.nz)  
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## The Mathematical and Computational Sciences

# Open doors to the future

Keep your options open

Prepare yourself for top positions

Stay adaptable for tomorrow's opportunities

Have you done well in mathematical subjects so far? Maintain your involvement with the Mathematical and Computational Sciences! It is never a wasted effort.

### Do you want to be part of:

- Designing the sails for racing yachts ... and new technologies?
- Helping to invest millions of dollars ... and commercial decisions?
- Forming foreign policy ... and aspects of international relations?
- Finding out what makes your heart beat ... and medical research?
- Protecting our coasts ... and responses to global warming?
- Predicting earthquakes and eruptions ... and geophysical research?
- Designing sports stadiums ... and architectural projects?
- Predicting stock markets movements ... and financial forecasting?
- Improving traffic flow ... and urban planning issues?
- Creating animated movies ... and creative industries?
- Analysing fitness programmes ... and health enhancements?
- Constructing sound systems ... and acoustic technologies?

The Mathematical and Computational Sciences

include

Mathematics

Statistics

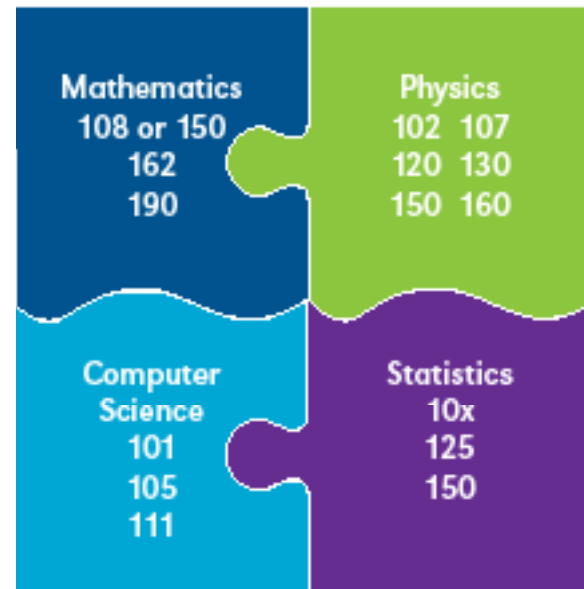
Computer Science

Physics

These subjects fit well together and enhance each other.

The more courses you take in these subjects the better prepared you will be ... for anything!

Add any of these courses to your first year of study:



### Mathematics

Mathematics is the key to many advancements in science, medicine, commerce and technology, and to the way we make sense of the world in terms of quantity, space and relationships. A good mathematical background enhances and develops your problem-solving skills, comprehension of abstract concepts and analytical and creative thinking. These are valued qualities in technical roles and in positions of leadership and management.

### Computer Science

Computer Science underlies almost all of our modern society, from the enormous social impact of the web, through to ensuring our washing machines clean our clothes well. There is an insatiable demand for graduates in Computer Science to drive developments in all areas of our society.

### Statistics

Who needs Statistics in the 21st Century? Anyone who has questions to answer: How do I make my business profitable? Will this treatment benefit cancer patients? Designing ways to collect data, collecting data, and making sense of what data says to produce reliable answers to such questions is the subject matter of Statistics.

### Physics

Technology, including cell phones, MP3 players, and medical scanners relies heavily on fundamental physics. A good understanding of Physics will therefore put you in a strong position from Research and Development to technical sales jobs in many fields. Managing our environment will also require many talented geophysicists.