Some great reasons to study with the Faculty of Computing and Mathematical Sciences:

- Our computing and mathematical sciences papers are relevant and up-to-date in what is a rapidly changing technological and social environment.
- You will have 24 hour access to computer labs, including dedicated Apple Mac-based design labs.
- Waikato is recognised among the world’s best, with a top 200 ranking for Computer Science (QS subject rankings 2015).

Scholarship information

The Statistics Fees Scholarship is open to applicants who are enrolling in the second or third year of study towards an undergraduate degree with a major in Statistics at the University of Waikato. Up to two Scholarships of $2,500 may be awarded each year. Visit stats.waikato.ac.nz for more info.

We also recognise our top enrolled students. Each year we present Dean’s Awards to the best ten students at each level, enrolled in an undergraduate degree in the Faculty of Computing and Mathematical Sciences.
Statistics is the science of collecting data and extracting information.

Statistical analysis is used to make informed decisions in most areas of human endeavour, such as agriculture, industry and commerce, law, medicine, forestry, psychology, insurance and economics.

Studying Statistics makes you more aware of how data can be used and misused to persuade you to vote for a political party, to purchase consumer goods, to form opinions on social issues, and many other everyday decisions.

Statistics teaches us how to deal with variability and how to collect and use data so that we can make correct judgements. Without statistics we would have to resort to hunches or guesses.

Statistics at Waikato

BSc Statistics
The BSc is a three-year degree. Your first year of study will give you a strong foundation in mathematics and computer science, as well as statistics. A good understanding of mathematical principles will help you to understand the how and why of the statistical methods that you encounter at second and third year. Practical statistics makes significant use of software to analyse and explore data.

Statistics papers are supported by computer laboratories that include high-end PCs, equipped with the latest versions of specialist statistical software packages. Throughout your degree you will also benefit from small class sizes, which guarantee individualised support for your learning.

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

BSc in Statistics and Economics
The three-year BSc with a double major in Statistics and Economics provides students with the skills needed for economic and statistical analysis. People who have statistical skills and a thorough understanding of economics are highly sought after as employees, by a wide range of private and public sector organisations.

Entry requirements
While there are no specific subjects you need to study at secondary school to study Statistics at Waikato, Calculus and Statistics are very useful.

Careers in Statistics
The amount of data available to businesses and organisations is growing daily. Good statistics graduates who can analyse this data and turn it into meaningful information are in high demand.

Working as a statistician often involves working with people from other areas, such as scientists from biology, agriculture or earth sciences. You will often be acting as a trouble-shooter.

Career opportunities
- Biometrics
- Business Analysis
- Government Statistics
- Industrial Statistics
- Insurance and Finance
- Market Research
- Medical Statistics
- Operational Research

Jolie Humphries
BSc majoring in Statistics & Economics
Strategic Policy Analyst, Hamilton City Council

After finishing my degree I started working in the Strategy and Research Unit at the Hamilton City Council. My main task is corporate planning which includes quarterly reporting, writing Annual Reports, Annual Plans, and 10-Year Plans for Council.

In the future I would like to get into a qualitative data analyst role which would use the skills I learned at University more directly but in the meantime I am happy developing a broader range of skills.

Studying at Waikato I found the statistics lecturers really helpful and genuinely cared about the students and wanted them to succeed. The classes were designed to push students and everyone had to work hard to get the grades which built a really good work ethic.

I would advise new students to choose a degree and papers that match their interests and to aim high.
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