

Tohu Paerunga Tauanga Postgraduate Statistics



Statistics is the human side of the computer revolution, an information science, the art and science of extracting meaning from seemingly incomprehensible data. From designing an experiment to evaluate the effects of a new treatment for a disease, to analysing a set of data gathered by an ecologist – the diversity of applications of statistics is immense.

Statistics applies to almost any field, ranging from scientific research to business management and media analysis. As a postgraduate Statistics student, you could explore topics like Bayesian statistics, bioinformatics, case control sampling and extension, experimental design and quality improvement, and operations research and stochastic processes, plus many more.

Courses available in this subject include:

- › Advanced Statistical Programming with R
- › Financial Mathematics
- › Operations Research
- › Probability Theory
- › Professional Skills for Statisticians
- › Statistical Computing

Choosing your supervisor

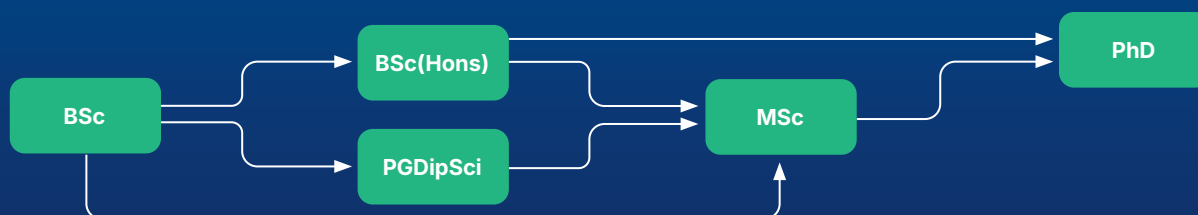
Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times. Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Scholarships

You can apply for a range of scholarships when you apply for postgraduate study in Science.

auckland.ac.nz/science-scholarships



Career opportunities

Statistics applies to almost any field and is the ideal partner course for people who want to enhance their quantitative capabilities while pursuing their career choice subject.

Training in statistics gives you an additional string to your bow that can help make you more effective in almost any profession, and will be essential if you wish to develop a career as a statistician.

With a postgraduate qualification in Statistics, you will have excellent prospects and find employment in a wide range of industries, including banking, insurance companies, web-based and IT companies, market research organisations, pharmaceutical companies, public health and utility providers, Public Research Organisations, government departments, universities and technical institutes.

Our graduates have been employed in the following jobs:

- › Senior manager advanced analytics, PepsiCo
- › Manager marketing analytics, Constellation Brands
- › Web developer, Stack Overflow
- › Statistician, The George Institute for Global Health
- › Senior data administrator, New South Wales Health
- › Chief Scientist, R Studio

This subject is available in:

- › Bachelor of Science (Honours)
- › Postgraduate Diploma in Science
- › Master of Science
- › Doctor of Philosophy

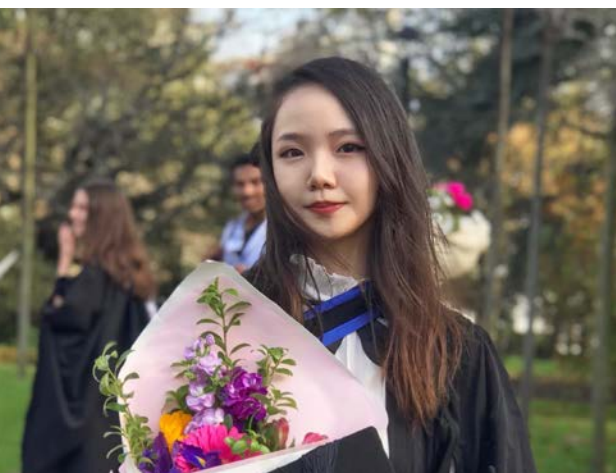
You may also be interested in our programmes in Applied Mathematics, Bioinformatics, Mathematics, Medical Statistics and Population Health.



Find out more about how your degree will be structured and what courses you need to take at

auckland.ac.nz/science/pg-statistics

Applications close on 8 December.



"I like how the content of the programme is constantly evolving. The statistics department maintains close connections with industry, and the course content is optimised to teach the most in-demand and cutting-edge skills and demonstrate how they apply to real-world projects and datasets. This gave me confidence when facing real projects in the workplace."

Runzhe Gao
Master of Science in Statistics

Kuhua ki tō mātou hāpori, ā, Kimihia tōu Pūtaiao.
Join our community and find your Science.



Disclaimer: The information in this document is a general guide only for students and subject to alteration. All students enrolling at the University of Auckland must consult its official Calendar, to ensure that they are aware of and comply with all regulations, requirements and policies. [2026]

Have any questions?
Contact the Student Hub

auckland.ac.nz/student-hubs