



**THE UNIVERSITY OF
AUCKLAND**
Te Whare Wānanga o Tāmaki Makaurau
NEW ZEALAND

SCIENCE

Welcome to the Department of Statistics

Understanding statistics is a way to help you understand our world.



The staff in our department apply their knowledge and skills in statistics to many fields – biology, engineering, health, marine science, and others. They will show you how to extract information from data in our digital world.

Studying Statistics will add value to your academic journey. Nearly two out of every three students at the University of Auckland include at least one Statistics course in their degree.

There are excellent career prospects for graduates who combine a major in Statistics with other subjects in Business, Science, Engineering, Medicine or Arts. Whether you are thinking of majoring or minoring in Statistics or just complementing your degree with some Statistics courses, we will be delighted to welcome you to our department in 2016!

ILZE ZIEDINS
Head of Department

A light blue map of Australia and New Zealand is positioned behind the text. The word 'LARGEST' is written in large, bold, blue capital letters, with a small asterisk to its upper right. The words 'statistics department' are in a smaller, blue, sans-serif font. Below this, the text 'in Australia and New Zealand' is written in a smaller blue font.

The University of Auckland has the
LARGEST*
statistics department
in Australia and New Zealand

Birthplace of 



Bachelor of Science in Statistics

Statisticians have a vital contribution to make in dealing with the problems facing the world. Statistics benefits all of us because we are able to make predictions for the future based on data we have previously gathered. Whatever field of statistics you specialise in, a degree from our department will be an important step in your career.

3

The average number of years it takes to complete a Bachelor of Science degree



You can choose either a single or double major



Preparation for school leavers

High school students are recommended to take Mathematics in the form of Statistics and/or Calculus.

For course planning and enrolment, go to www.science.auckland.ac.nz/student-centre



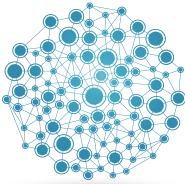
Complementary majors

A double major is strongly recommended as it will enhance your career options by providing a broader base of skills and knowledge. Statistics is suitable as a complementary major with all the other science majors. In particular:

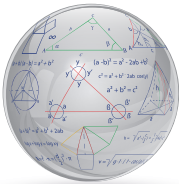
STATISTICS +

- Biological Sciences
- Computer Science
- Environmental Science
- Information Systems
- Logic and Computation
- Marine Science
- Mathematics
- Physics
- Psychology

www.science.auckland.ac.nz/doublemajors

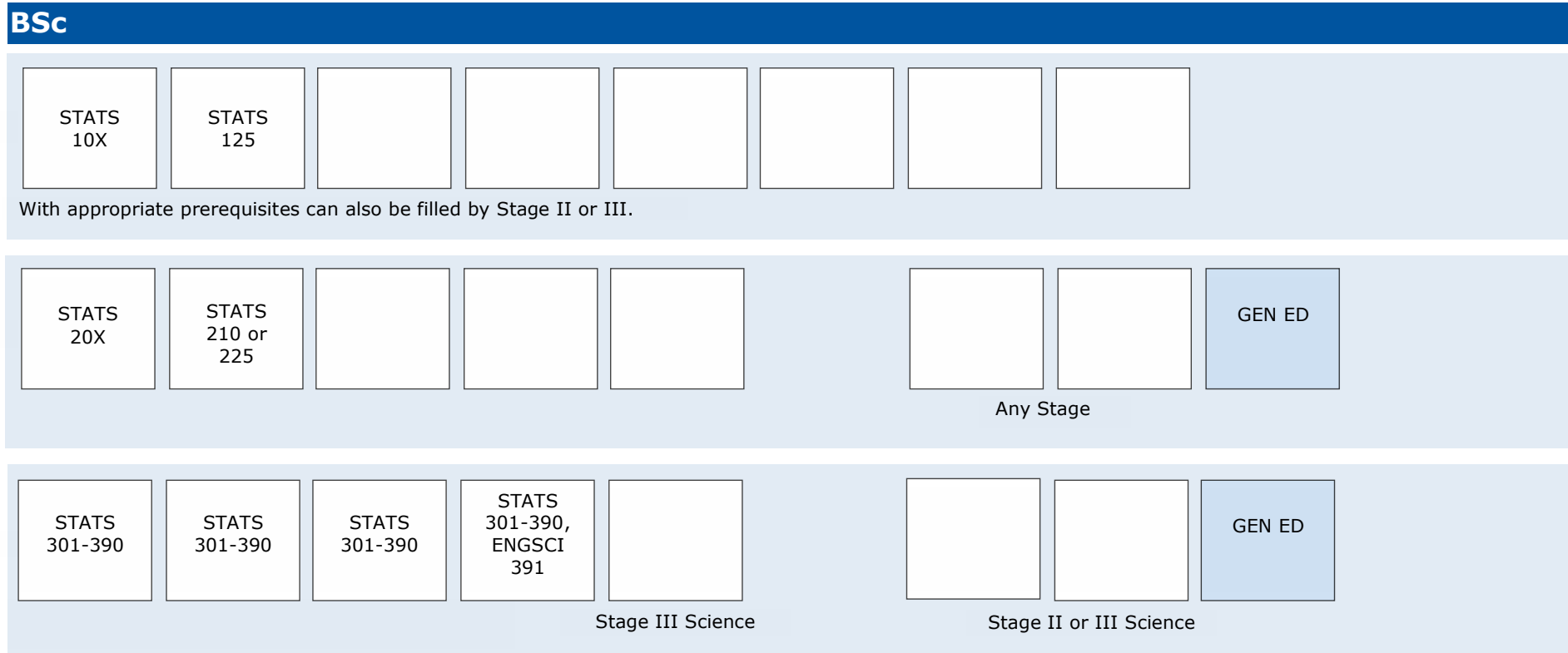


Statistics



Mathematics

Planning your major



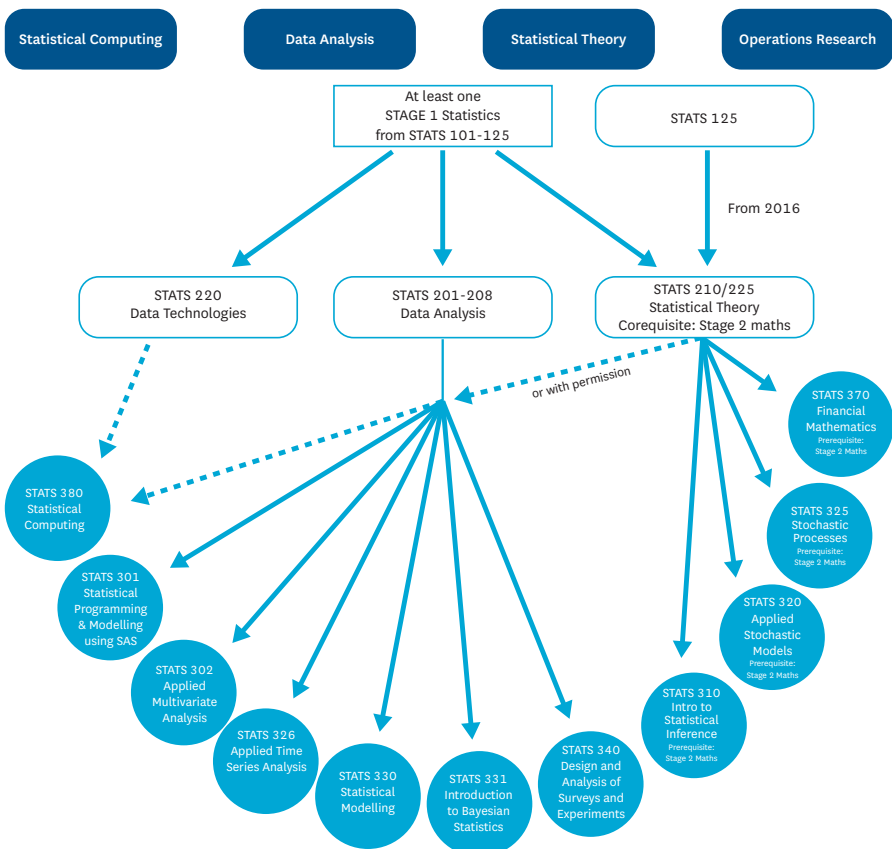
1. Courses in a minimum of three subjects listed in the BSc Schedule.
2. At least 180 points (12 courses) must be above Stage 1.
3. Up to 30 points (2 courses) may be taken from outside the Faculty.
4. 30 points (2 courses) must be taken from the appropriate General Education Schedules for BSc students.
5. At least 75 points must be at Stage III, of which 60 points must be in the majoring subject.

To view regulations for majors, and course descriptions, see www.calendar.auckland.ac.nz
 BSc degree requires: 360 points (24 x 15 point courses). Each box represents one 15 point course.
 It is recommended that students enrol in 8 courses each year.

Undergraduate Statistics Programme

The Statistics Programme is depicted below

| | |
|--|---|
| Applied Statistics courses: | Any Stage 1; STATS 201, STATS 208; STATS 301, STATS 302, STATS 326, STATS 330, STATS 331, STATS 340 |
| Theoretical Statistics courses: | STATS 125; STATS 210; STATS 225; STATS 310, STATS 320, STATS 325, STATS 370. MATHS 340 very useful if going on to postgraduate study |
| Statistical Computing courses: | STATS 220; STATS 301, STATS 380 |
| Operations Research courses | STATS 125; 255; 325, 320; ENGSCI 391 |



For course descriptions, go to www.stats.auckland.ac.nz/courses

Careers in Statistics

Statistics is the human side of the computer revolution, an information science, the art and science of extracting meaning from seemingly incomprehensible data. Statistics applies to almost any field. For this reason, many students find it complements their core area of interest or degree extraordinarily well, giving them an additional string to their bow that opens up new and exciting career opportunities.

Academic research

Actuary

Banking

Bioinformatics

Biology

Business analysis

Data Scientist

Ecology

Education

Energy

Engineering

Finance

Government

Market research

Marketing

Medical statistics

Operations research

Organisational psychology

Policy development

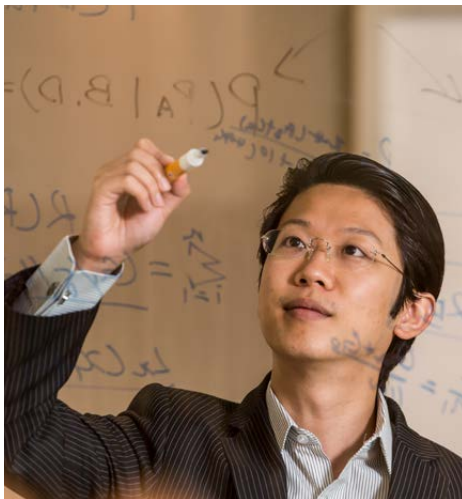
Statistician (eg. Biometrician)



“Statistics is a widely applicable subject and helps see the world in a different aspect. It not only uses numbers but great ideas to solve problems, so teaches one to think in a wide variety of ways whether it be using pictures or colours with statistical software to really get down to the core of the problem.”

“I love learning and solving problems involving numbers. Studying honours in Statistics has nurtured my undergraduate knowledge in Statistics helping me unveil the fundamental reasons and theoretical sides of the topics taught at undergraduate level. This made me strongly connected with Statistics preparing me to feel more confident to apply Statistics in the real world.”

Lia Lee is studying towards her Bachelor of Science (hons) in Statistics.



Disclaimer

Although every reasonable effort is made to ensure accuracy, the information in this document is provided as a general guide only for students and is subject to alteration. All students enrolling at the University of Auckland must consult its official document, the University of Auckland Calendar, to ensure that they are aware of and comply with all regulations, requirements and policies.



Helpful information

| | |
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| Academic dates | www.auckland.ac.nz/dates |
| Academic Integrity Course | www.auckland.ac.nz/academic-integrity |
| Accommodation | www.accomodation.auckland.ac.nz |
| Buy coursebooks | www.science.auckland.ac.nz/resource-centre |
| Career Development and Employment Services | www.auckland.ac.nz/careers |
| Course advice and degree planning in Science | www.science.auckland.ac.nz/student-centre |
| General education | www.auckland.ac.nz/generaleducation |
| How to apply | www.apply.auckland.ac.nz |
| How to enrol | www.auckland.ac.nz/enrolment |
| International students | www.international.auckland.ac.nz |
| Māori and Pacific students | www.science.auckland.ac.nz/tuakana |
| Need help? | www.askauckland.ac.nz |
| Rainbow Science Network for LGBTI students | www.science.auckland.ac.nz/rainbowsience |
| Scholarships and awards | www.scholarships.auckland.ac.nz |
| Support for students | www.science.auckland.ac.nz/support |

Applications close on December 8 for Semester 1 or December 1 for Summer School.

Questions about Statistics? Email office@stat.auckland.ac.nz



Connect with us

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