Are you interested in looking critically at numerical information without being misled? Do you want to be able to make sense of data, and use it to solve problems? Statistics is the human side of the computer revolution, and you could be part of it.

A navigator in the information age

We live in an increasingly data-rich and digital world. Computers allow us to collect and store information in quantities previously impossible. Understanding statistics helps you understand our world, as it is statistics that allows us to extract meaning from seemingly incomprehensible data.

Statistics is also a fast-growing field of its own. Researchers in our department, and our graduates, tackle new questions in ecology, education, medicine, astrophysics, wine growing, and other fields, developing novel statistical methods, mathematical tools, and computational systems.

Statistics counts

Data collection and analysis and mathematical modelling of random processes were a foundation for COVID response in this country.

The same tools to support decision-making in the face of uncertainty continue to be needed now and in the future, in business and in government. Studying probability and statistics gives you the mathematical basis for modelling our complex and uncertain world.

What you will learn

As a Statistics student you’ll study how to ask the right questions, how to collect and analyse data, and how to present information in meaningful ways. You’ll be able to choose whether you keep your major general, or whether you study one of two dedicated pathways: Applied Statistics, or Statistics and Probability.

You don’t have to have taken statistics or mathematics at high school to study Statistics with us – we welcome all students! However, high school statistics and/or mathematics provide helpful background knowledge. If you’re interested in studying our probability courses you’ll find it useful to have studied some differentiation at high school.

Prerequisites

If you are planning to take the Applied Statistics pathway or just a small number of applied statistics courses, then having some basic numeracy skills is all that is required.

If you want to gain some confidence in basic numeracy you can always start by taking STATS 100 or MATHS 102 before going on to further courses. No previous formal study in statistics is required.

Choosing a subject

With so many options it’s sometimes hard to choose what you want to study, but we’ve got you covered. You can study a double major with our Bachelor of Science to gain a broader base of skills and knowledge.

Statistics complements all other Bachelor of Science majors, but it matches particularly well with:

- Computer Science
- Information and Technology Management
- Logic and Computation
- Mathematics
- Physics
- Psychology

Conjoint a BSc to study

2 degrees at once

1QS World University Rankings 2022 | 2QS Graduate Employability Rankings 2022