

Tohu Paerunga Pūtaiao Raraunga Postgraduate Data Science

Data Science is a rapidly growing field, giving individuals the ability to manage and analyse big data, and drive innovation in organisations across all industries. There are two options for a postgraduate qualification in Data Science: the Master of Data Science, and the Master of Professional Studies specialising in Data Science.

Both programmes cover a core of Computer Science and Statistics courses where you'll learn to apply techniques from large-scale data management, data mining, machine learning, statistical modelling and statistical analysis, and assemble theories and tools from computer science, statistics and domains of data science to create information, knowledge, or innovative products, from data.

Courses available in this subject include:

- > Database Systems
- > Big Data Management
- > Algorithms on Massive Data
- > Artificial Intelligence and Machine Learning
- > Statistical Computing
- > Statistical Data Mining
- > Statistical Modelling
- > Data Visualisation

Choosing your supervisor

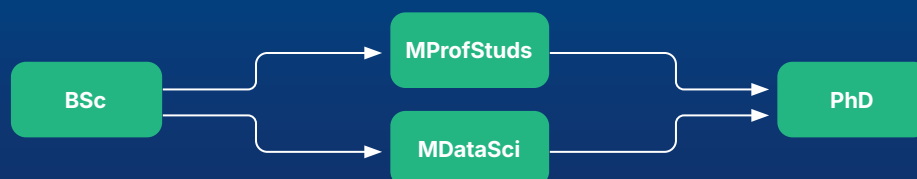
Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

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

On the world stage, data science is a rapidly growing field with an unmet demand for suitably qualified graduates.

As a data scientist, you need to be able to both manage and analyse the data, and this programme will give graduates a unique combination of skills in data science and data management.

Not only will you be able to comprehend, process and manage data efficiently, you will also be able to extract value from data so you can visualise and communicate it effectively.

Your ability to transform data into meaningful information, actionable knowledge, and products will drive innovation and lead to successful outcomes across a diverse range of businesses and organisations.

Our graduates have been employed in many data science jobs, including the following:

- › Chief analytics officer, Lab360 NZ
- › Data consultant, Fonterra Cooperative Group Ltd
- › Director of data science, Qrious
- › Marketing research manager, IBM Enterprise Group
- › Statistical analyst, Statistics New Zealand

This subject is available in:

- › Master of Data Science
- › Master of Professional Studies
- › Doctor of Philosophy

You may also be interested in our programmes in Computer Science, Information Systems, Information Technology, and Statistics.



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

auckland.ac.nz/science/pg-data-science

Applications close on 8 December.



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