A quick guide to postgraduate Data Science for international students

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.

Some of the courses available in this subject include:

- Database Systems
- Big Data Management
- Algorithms for Massive Data
- Data Mining and Machine Learning
- Statistical Computing
- Statistical Modelling

Careers in Data Science

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 turn data into information, knowledge and products is what will drive innovation and lead to successful outcomes across a diverse range of businesses and organisations.

Our graduates have been employed in the following jobs:

- IT Support, Asnet Technologies Ltd
- Project Manager, Tata Consultancy Services Ltd
- Data Consultant, Fonterra Co-operative Group Ltd
- Senior Software Developer, C3 Construction Limited
- Assistant Manager-IT, BURO Bangladesh

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SCIENCE

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Birthplace of R

Master of Data Science

Points	Duration	Estimated tuition fees 2025	Intakes
180	Three semesters	NZ$79,263	February/July
240	Four semesters	NZ$105,684	February

Entry requirements

180 points	An undergraduate degree in Data Science from a reputable Chinese university, with a minimum average grade of 75% (GPE 4.0).
240 points	An undergraduate degree in a relevant subject such as Computer Science or Statistics from a reputable Chinese university, with a minimum average grade of 75% (GPE 4.0). Prior study in both Computer Science and Statistics is required.

Master of Professional Studies in Data Science

Points	Duration	Estimated tuition fees 2025	Intakes
120	Two semesters	NZ$ 52,842	February/July

Entry requirements

Option 1: An undergraduate degree from a reputable Chinese university in a relevant discipline, with a minimum average of 70% (GPE 3.0) and at least three years of relevant professional experience. Prior study in the design of algorithms, discrete mathematics and introduction to statistics is required.

Option 2: A postgraduate degree from a reputable Chinese university in a relevant discipline, with a minimum average of 70% (GPE 3.0). Prior study in the design of algorithms, discrete mathematics and introduction to statistics is required.

English language requirements for both programmes of study: IELTS 6.5 with no band less than 6.0 (or equivalent).

University ranking, subject relevance, and undergraduate degree grades can affect entry to these programmes.

"I really loved the blend of Statistics and Computer Science that Data Science offered; the programme gives you a solid skill set in both areas. This is extremely useful as it opens up so many career paths and gives you a lot to choose from depending on which skills you enjoy more."

Jasmine Chhor

Bachelor of Science in Data Science.

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Read Jasmine's full story at:
science.auckland.ac.nz/jasmine-chhor

Kuhua ki tō mātou hapori, ā, Kimihia tōu Pūtaiao.

Join our community and find your Science.

Applications close on 8 December.

Explore and discover

science.auckland.ac.nz/ug-data-sci

Have any questions?

Contact the Student Hub

auckland.ac.nz/student-hubs