



UNSW Science Bachelor of Data Science and Decisions

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UNSW Science
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School of Mathematics and Statistics

Bachelor of Data Science & Decisions

Program: 3959

UAC: 429150

2020 Guaranteed Entry Rank: 95.00

The Bachelor of Data Science & Decisions is a unique multidisciplinary program that equips students with skills in mathematical methods, statistics, computing, business decisions and communication.

Students benefit from the expertise of educators across three different Schools at UNSW:

- Mathematics and Statistics (Science)
- Computer Science and Engineering (Engineering)
- Economics (Business)

The Bachelor of Data Science & Decisions will train graduates to meet the growing demand for data scientists and analysts in both Australia and internationally.

This three-year program comprises a central core course requirement and features three separate streams of study:

- Quantitative Data Science
- Computational Data Science
- Business Data Science

"My favourite part about the Data Science & Decisions degree is that I can customise it to fit my interests.

I get to pick electives from a pool that contains everything from Software Construction to Calculus to Economic Game Theory.

This has allowed me to follow my passion for mathematics, while also building on my newly discovered love of coding.

The combination of courses available in this degree has taught me so many practical skills and I can't wait to test them out on real-world problems when I graduate."

Jessica Boyle
Data Science & Decisions student

"My experience of the Data Science program has been fabulous so far – I have learnt so many interesting things on a large variety of topics which have broadened up an entire new way of thinking for me.

One of the highlights is the vast scope of knowledge that we are exposed to. We live in a world of technology, which revolves around economics, but is all underpinned by maths and numbers. This program covers all three major areas, which are incredibly useful to contribute to society.

I cannot wait to land a job in the data science field where I can apply all of my knowledge and practical skills."

Serena Xu
Data Science & Decisions student

"The Data Science program at UNSW provides students with a solid foundation in maths and statistics, which are fundamental not only to data science but also many other fields.

To complement this in-depth knowledge, it is useful to learn programming fundamentals, machine learning and artificial intelligence through self-learning, industry experience or both.

Ultimately, data science can be applied universally; therefore one can utilise their knowledge and skills to solve problems they are passionate about."

Saksham Yadav
Data Science & Decisions student



THE CAREER OF THE 21ST CENTURY!

There is a soaring demand for employees with qualifications in data science and analysis, with career opportunities across a broad range of areas.

Over the last four years, jobs requiring the use of data analysis and data management skills and tools have doubled. Being a Data Scientist means not only having a high-growth job, but also one of the most lucrative.

Data Scientists and Analysts are in very high demand globally, particularly in the key metropolitan areas and financial capitals of the world, including New York, London, Singapore, Hong Kong, San Francisco and Sydney.



Soaring streams of data and information now generate more economic value than the global goods trade.

McKinsey Global Institute report



Data Scientist was ranked Best Job of 2019 for work environment, income, and outlook.

CareerCast



Data scientists are in high demand, low supply and earn almost three times Australia's average salary.

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