Bachelor of Data Science & Analytics

CAMPUS	DURATION	ATAR – SR	IB	UAC	CRICOS	STARTS IN
W Wollongong	3yrs	80*	28	756522	099971G	Session 1 (February)

* This rank is the minimum ATAR - SR required for consideration and does not provide guaranteed entry.

All applicants must have studied the equivalent of 2 units of mathematics (not Mathematics Standard 2) or higher at Year 12 level

Huge increases in the volume of data available in science, industry, commerce and governments have led to a growing demand for professionals who can design, organise, manage and manipulate databases.

Professionals who can work with data sets of differing size and complexity, analyse and extract useful and practical insights and information, and communicate these findings to a range of audiences will become increasingly important in the workplaces of the future.

THIS DEGREE

This degree is designed for students who wish to develop strong and rigorous mathematical, statistical and computing skills. The degree also involves the development of good communication and consulting skills which will allow graduates to successfully pursue careers across the wide range of data-driven industries.

You will learn highly transferable skills in problem-solving, data analysis, statistics and variability, and statistical and mathematical modelling.

WHAT YOU WILL STUDY

In your first year you will study core subjects in mathematics, statistics, and computer science. From your second year you will study subjects in the following areas:

- Big data mining and management
- Database performance
- Sample survey and experimental designs
- LInear algebra
- Linear models
- Data analytics and visualisation

You will also complete a Professional Practice subject involving an industry relevant project to develop your skills in identifying problems, selecting relevant techniques, communicating effectively and managing projects.

A Data Science and Analytics (Honours) degree is available to candidates who achieved a distinction average or better in the three-year Bachelor of Data Science and Analytics degree.

ACCREDITATION

Accreditation is pending with the Statistical Society of Australia.

For more information visit
uow.info/math-data

UNIVERSITY OF WOLLONGONG AUSTRALIA

Why choose this course

When you study at UOW you become part of a learning and research environment supported by highly qualified academic staff with expertise across a range of disciplines from pure to applied mathematics and statistics. The Excellence in Research for Australia (ERA) rankings classifies the UOW School of Mathematics and Applied Statistics 'above world standard', and our staff have won national awards for their teaching excellence.

SET YOURSELF UP

There are opportunities for scholarships from corporate partners, plus summer scholarships and undergraduate research projects with academic staff. Students also have access to programs offered by the Australian Mathematical Sciences Institute (AMSI) and inter-university programs via our Access Grid Room.

By undertaking this course you will develop the highly sought after technical and professional skills to extract and analyse data sets of differing size and complexity to discover new and useful relationships, support decisions, improve efficiency and evaluate performance, and effectively communicate the conclusions to science, industry, commerce and governments.

ENTRY REQUIREMENTS

Prerequisite: HSC Mathematics (not Mathematics Standard 2).

Assumed Studies: HSC Mathematics, any 2 units of English.

Recommended Studies: Mathematics Extension 1.

CAREERS

- Applied Research Scientist
- Biometrician
- Business Forecaster
- Data Analyst
- Data Scientist
- Data Visualisation and Analytics Developer
- Digital Business Translator
- Financial modeller and analyst
- Machine Learning Engineer
- Operations Researcher
- Statistician
- Transport analyst
- Transport modeller

> Learn highly transferable skills that enable analysis and optimisation across many fields. You'll learn problem-solving, critical thinking and analytical skills that are in demand across government and private sectors.

BELONG TO ONE OF THE BEST

1st in NSW

UOW Science and Mathematics ranked number 1 university in NSW for overall quality of educational experience in the Good Universities Guide 2020.

Top 200

UOW ranked among the top 200 universities for Accounting and Finance in the 2020 QS World University Rankings by subject.

Key dates

UOW Early Admission Apps open	20 Jul - 14 Aug
UOW Virtual Open Day	8 Aug
UAC Early Bird Applications close	30 Sep
UAC December Round 2 offers close	17 Dec

Learn more

uow.info/math-data

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