

Master of Applied Data Science (MADS) • Postgraduate Diploma in Applied Data Science (PGDipADS)
College of Science



THE WORLD'S BEST CHOICE

Key facts about the programme

- 1** Work-integrated learning postgraduate qualification
- 2** Graduates can apply from undergraduate degrees from most disciplines
- 3** Designed to meet world-wide shortage for data scientists
- 4** Data science research centres



What do the programmes cover?

Data science has become the world's fastest growing profession, as organisations all over the world recognise the value of 'Big Data' – the vast amounts of data generated and collected by people and organisations every second that can reveal patterns, trends, and associations on a large scale.

UC's Master and Postgraduate Diploma in Applied Data Science programmes are designed to accommodate students from a range of backgrounds who want to enhance or build their data science capabilities.

Compulsory courses:

- Data Mining
- Digital Humanities Research Methods
- Scalable Data Science
- Big Data

Elective course options include:

- Biological Sciences
- Computer Science
- Digital Humanities
- Economics
- Environmental Science
- Finance

- Geography
- Geology
- Mathematics
- Physics
- Psychology
- Statistics

Masters Project

The MADS includes a Masters project where students work in interdisciplinary teams—as data scientists would—working on shared tasks with a focus on teamwork, communication and management skills. The PGDipADS has the same course content as the MADS but without the project component.

What are the entry requirements?

- A relevant bachelor's degree with a UC equivalent B average
- Dean of Science approval

English	Overall	Lowest Band
IELTS	6.5	6.0
TOEFL	90	19 writing
Pearson	58	50 communicative skills

AT A GLANCE

Start Dates

February
July

Please note: Intakes are dependent on the availability of supervisory resources.

Months to Complete

MADS12 months
 PGDipADS 10 months

Features

Industry focused project.....Yes

Tuition fees*

MADS\$41,250
 PGDipADS \$27,500

Scholarship

For more information on scholarships go to www.canterbury.ac.nz/get-started/scholarships/
 *The price (tuition fee) is indicative for 2020.



Graduate profile

Ivy was one of the first students in UC's Applied Data Science programme. She believes, 'Along with the exponential growth in size and availability of data, it is essential to have further insight in this "big data world". 'Meanwhile, Applied Data Science provides us with the opportunity to combine data science capabilities and other skills from a range of backgrounds.'

Xinmei (Ivy) Zhang
Master of Applied Data Science

AT A GLANCE

Why New Zealand?

- Within Top 7 in the world for Overall Prosperity, Natural Environment, and Social Capital
- Within Top 13 in the world for Education, Personal Freedom, and Safety & Security

Why Christchurch?

- Largest city in the South Island
- Lowest unemployment rate in Australasia
- Strong economy
- An outdoor recreation paradise

Why the University of Canterbury?

- QS Ranked 227
- 34 subjects ranked in the top 250
- Residential campus
- 3000+ Employer connections
- 35 Research Centres

What careers can this lead to?

Data science is an exciting field to get into and one of the world's faster growing employment sectors, making it a great career choice. As a data scientist, you'll analyse past and current data to provide predictions and valuable insights into everything from social behaviours to the natural environment. Data scientists are the bridge between IT experts and analysts.

MADS and PGDipADS go on to work in:

- Technology companies
- Consulting and research firms
- Science organisations
- Government agencies
- Manufacturing and retail sectors
- Professional services
- Healthcare
- Finance and insurance
- Start-up businesses

Enrolment information

How to apply

Apply online through myUC:
<https://myuc.canterbury.ac.nz>

When to enrol

Applications need to be in 5 weeks before the programme starts.

Who to contact

School of Mathematics and Statistics
T: +64 3 369 2233
E: enquiries@math.canterbury.ac.nz
www.math.canterbury.ac.nz

Important information

Refer to our website for more information on:

- University of Canterbury
- Christchurch as a study destination
- Student visa and insurance

www.canterbury.ac.nz/international/

This information was correct at November 2020.