

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

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

Master's Project

The MADS includes a Master's 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
- Executive Dean of Science approval

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

AT A GLANCE

Start dates

February
July

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

Duration to complete

MADS 1 year full-time
PGDipADS Two semesters full-time

Features

Industry focused project Yes

Tuition fees*

MADS \$50,550
PGDipADS \$33,700

Scholarship

For more information on scholarships go to www.canterbury.ac.nz/get-started/scholarships/

*The price (tuition fee) is indicative for 2023.

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



‘The entire programme carries out great projects and programmes to help employability.’

Nur Syaida Firzana Mohamad Isham

Master of Applied Data Science

Tourism Economic Analyst, ChristchurchNZ

More 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

Useful 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



‘The Python skills I learnt at UC helped me get my job.’

Yuto Saizen

Postgraduate Diploma in Applied Data Science

Data Scientist, partly.com

AT A GLANCE

Why New Zealand?

- 2nd most peaceful country (Global Peace Index, 2021)
- 4th in the world for natural environment (Legatum Prosperity Index, 2021)
- 12th in the world for education (Legatum Prosperity Index, 2021)

Why Christchurch?

- Largest city in South Island
- 2nd largest city in New Zealand
- Easy to get around
- 2nd most affordable city (christchurchnz.com)
- Strong economy and lowest unemployment rate (christchurchnz.com)

Why the University of Canterbury?

- Top 1% Universities in the world (QS World University Rankings, 2023)
- 38 subjects ranked in the top 300 (QS World University Rankings by subject, 2022)
- Residential campus
- 3000+ Employer connections
- 35 Research Centres
- Ranked 1st globally for Sustainable Development Goal (SDG) 12 and 50th overall in the Times Higher Education (THE) Impact Rankings