

Master of Water Resource Management (MWaterRM) Postgraduate Diploma in Water Resource Management (PGDipWaterRM) College of Science

Key facts about the programme

- 1 Graduates can apply from an undergraduate degree in any relevant subject
- 2 World-class research facilities and specialists
- 3 The program combines technical research and management skills
- 4 Delivered in Canterbury, a region facing water management challenges



What does this programme cover?

The MWaterRM and PGDipWaterRM prepares you for a professional career in water resource management. If you want to make a difference and improve the way we share, use and manage water – this is the programme for you.

The programme consists of three compulsory courses:

- Advanced Water Resources
- Water Quality and Quantity Assessment
- Water Management, Policy and Planning

A Research Methods and Communication course is also highly recommended. The remainder can be chosen from a variety of disciplines to match the interdisciplinary nature of water resource management. Options include:

- Resource and Environmental Management
- Agricultural science or commerce
- Maori/Pacific Island studies
- Ecology
- Earth Science

- Natural Resources Engineering
- Physics and Chemistry
- Environmental Science

These qualifications are offered through the Waterways Centre for Freshwater Management, which operates from both the University of Canterbury and Lincoln University. Working across both universities offers more study options and enables access to academic expertise at both campuses. The Centre maintains strong links to many different water organisations and stakeholders, in order to improve skills, knowledge and awareness in the water sector. A key purpose of the Centre is to train the next generation of water resource managers.

What are the entry requirements?

- A relevant bachelor's degree*
- Dean of Science approval

*Examples include natural, physical, earth, agricultural and social sciences, engineering, resource and environmental management, resource law planning, economics, indigenous studies... and many other fields.

AT A GLANCE

Start Dates

February, July

Months to Complete

PDDipWaterRM12–36 months

MWaterRM..... 24–48 months

Price for 2020*

MWaterRM.....\$16,028

PDDipWaterRM \$8,267

Scholarship

Scholarships are available for postgraduate students. For more information go to <https://www.canterbury.ac.nz/get-started/scholarships/>

*The price (tuition fee) is indicative for 2020.



Student Profile

“Freshwater management in the Selwyn catchment is critical to ensuring the recovery of Te Waihora. I’m excited to be looking at groundwater issues around Te Waihora to help recover that special resource.”

Katie Coluccio
PhD Candidate



Employee Profile

“These days, most places around the world face the problem of a water shortage catastrophe. Addressing those water issues requires water managers to have multidisciplinary knowledge and an integrated approach, involving scientific, political, hydrological, economic and planning skills.”

Toiata Apelu-Uili
Completed a Master of Water Resource Management in 2015, now employed in a Samoan government ministry

What careers can this lead to?

Demand for graduates in this field, with associated science, engineering and environment management skills, has never been greater.

Graduates go on to work as water resource managers, researchers, advisors or consultants in:

- Local, regional and central government, rūnanga and environmental consultancies
- Water-dependent industries such as hydroelectricity, irrigation, dairy and other agriculture
- Interest groups, NGOs and community water initiatives
- Research institutes and universities (usually requiring a PhD)

Average starting salary

\$60,000 with Master’s degree.

Average salary by year 5

\$80,000 with Master’s degree.

Enrolment information

How to apply

Apply online through myUC:
<https://myuc.canterbury.ac.nz>
(then any additional information if required).

When to enrol

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

Who to contact

Suellen Knopick
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www.waterways.ac.nz

Why UC?

- QS ranked 227th
- QS Top 150 in Geography, Top 200 in Earth and Marine Sciences and Environmental Sciences
- Network of field and research stations
- Ernest Rutherford Centre
- Waterways Centre for Freshwater Management co-operated by UC and Lincoln University
- Dedicated career support unit



Purpose-built innovation

The brand new Ernest Rutherford building positions UC students and staff at the forefront of contemporary science.

With the most modern university science and research facilities in the southern hemisphere, postgraduates will have access to:

- State-of-the-art labs
- Built-in technologies
- A postgraduate study suite
- Informal social spaces
- Community/industry events

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