

Master of Water Science and Management (MWSM)*

Master of Science in Water Science and Management (MScWSM)*

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?

These programmes prepare you for a professional career in water science and management. If you want to make a difference in how water is studied, managed and perceived – these qualifications are for you.

These programmes both require six compulsory courses:

- Te Mana o Te Wai
- Catchment Systems
- Hydrological Extremes
- Water Governance
- Freshwater Restoration and Recovery
- Research Methods and Communication

The remaining two courses can be taken from a variety of disciplines. In consultation with the Programme Director you can develop an individualised course of study to meet your goals.

These qualifications are offered through the Waterways Centre which operates between Te Whare Wānanga o Waitaha | University of Canterbury and Te Whare Wānaka o Aoraki | Lincoln University.

The Centre maintains strong links to many water organisations and stakeholders to improve skills, knowledge and awareness in the water sector. A key purpose of the Centre is to train the next generation of water scientists and managers.

What are the entry requirements?

- Must have qualified for a university degree which is relevant to Water Science and Management, with a B (5.0) Grade Point Average or above in the final year.
- Executive Dean of Science approval

AT A GLANCE

Start Dates

February
July (MScWSM only)

Months to Complete

MWSM
Full-time 12 months
Part-time up to 24 months

MScWSM
Full-time 24 months
Part-time up to 48 months

Scholarship

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

*This information was correct at August 2022
Subject to CUAP due 2022



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

Completed PhD in 2021, now employed in a New Zealand environmental consultancy



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)

Enrolment information

How to apply

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

When to enrol

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

Who to contact

Waterways Centre
T: +64 3 369 5600
E: waterways@canterbury.ac.nz
www.canterbury.ac.nz

Learn from the best

UC is the top university in the country for the proportion of researchers that teach while Lincoln University is the top land-based university in New Zealand. You will be taught by scientists who are at the forefront of advances in their field. Learn from internationally recognised experts in: hydrological processes; restoration and recovery; and water and society. We also collaborate with a range of specialist, internationally recognised organisations working in water science and management.



Purpose-built facilities

UC’s laboratories, research centres, and field stations are internationally renowned. Added to this is the Ernest Rutherford building, which embraces the Ngāi Tahu cultural narrative of Whatukura in its design, and ensures students are at the forefront of contemporary science. Learning and research spaces in the centre have state-of-the-art equipment, high-tech computing systems and technology.