



# Water Engineering

The **Master of Civil Engineering** endorsed in **Water Engineering\*** is a flexible, course-based taught master's qualification for professionals seeking specialisation in selected water engineering topics.

**Water engineering includes:**

- analysis and design of water supply, stormwater, wastewater, and irrigation systems
- water resources management
- flood and drought assessments
- fluid flow in complex natural environments
- design of hydraulic structures
- wastewater treatment
- rural and urban impacts on water environments
- water chemistry in engineered and natural systems
- water flow and quality modelling
- groundwater quality and contaminated site management
- water sensitive urban design

UC's Department of Civil and Natural Resources Engineering is ranked 8th in the world (ARWU 2019).

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### **Entry Requirements**

Candidates must normally have completed a relevant Bachelor of Engineering with First or Second Class Honours. However, industry experience in the field and/or relevant qualifications in science or mathematics will also be considered for admission.

### **Degree Format and Duration**

The master's degree comprises 8 courses (120 points) or a postgraduate certificate can be obtained by completing 4 courses. Our flexible blended-learning study options enable you to continue to work while you study or enrol full-time and complete the master's qualification in 1 year.

Options for co-funded fees scholarships with industry partners are available.

### **Courses**

Compulsory courses:

- ENCI 648 Water Demand and Supply\*\*
- ENCI 634 Engineering Chemistry for Water Systems

Select at least 2 of the following:

- ENCI 638 Environmental Fluid Mechanics
- ENCI 645 Advanced Wastewater Treatment
- ENCI 646 Flood Analysis, Modelling, and Management\*\*
- ENCN 640 Integrated Urban Water Management

Your programme of study can be supplemented with other courses within our Master of Civil Engineering or undergraduate courses within the water engineering area.

For more information about our taught postgraduate courses, qualifications, study options and scholarships contact our administrator Emma Clark.

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