

Microcredential course in Water Treatment

Enhance your expertise in water management with The University of Queensland's comprehensive microcredential in Water Treatment. Our specialised courses focus on two critical areas: Wastewater treatment and Drinking water treatment.

Developed and taught by experienced water trainers and professionals, these practical courses offer in-depth training for engineers and professionals working in urban water management, a sector facing increasing challenges from population growth and environmental changes.

Through these programs, you'll gain specialised knowledge and practical skills needed to manage complex water treatment systems, ensure water quality, and implement sustainable solutions for modern urban environments.

Wastewater

Providing engineers with specialised knowledge and skills required to manage urban wastewater treatment systems. As cities become more densely populated and face increasing challenges from emerging pollutants, this course equips you with

contemporary solutions for wastewater management. You'll develop technical expertise to understand and solve complex engineering challenges in wastewater treatment, preparing you for a world where water quality and environmental protection are paramount.

Drinking Water

Develop advanced expertise in drinking water treatment systems and technologies. With increasing water stress in modern cities, this course provides integrated knowledge of drinking water treatment processes. You'll gain the technical skills needed to ensure safe, reliable drinking water supplies while addressing complex challenges posed by extreme weather events and urbanisation.

Study plan

WATR6001M	Wastewater	Semester 1
WATR6002M	Drinking water	Semester 2



Assessment

Learners will be required to complete formative tasks including:

- Problem portfolio submissions covering the learning material
- Online quizzes covering the virtual practical classes
- An online final exam

Career opportunities

- Consulting / Multinational engineering organisations
- Small and medium-sized enterprises
- Educational institutions
- Municipal and governmental bodies
- Water utilities

Duration

Two semesters (32 weeks)

Start semester

Semester 1 and Semester 2 2025 and 2026

Delivery

Hybrid mode. There are optional Q&A and facilitated online sessions held during the enrolment window. There are set due dates for assessment items.

Commitment

For each semester, a workload of approximately 130 hours in total is required over the 4 months. This consists of 40 hours contact (video lectures, Q&A contact, and assessment), as well as self-paced study and problems. There are deadlines for problem portfolio assignments through the study period.

Entry requirements

Applicants must have an undergraduate degree in STEMS disciplines (Science, Technology, Engineering, Mathematics, and Sciences). A basic understanding of chemistry is recommended.

Award and recognition

Credit. Successful completion of this microcredential may be recognised the equivalent credit of 0.25 EFTSL load (4 units) towards any of the following programs offered by UQ:

- Master of Engineering Science, Urban Water field of study (AQF-L9)
- Master of Engineering Science (Management), Urban Water Field of study (AQF-L9)
- Graduate Certificate in Engineering Science, Urban Water field of study (AQF-L8)
- Master of Urban Water (Professional) (AQF-L9), which is accredited by Engineers Australia

Water Treatment Digital Badge. Students will earn a UQ Microcredential Digital Badge for successful completion of all assessments within this microcredential. These badges contain information about what has been achieved in the course, and can be shared with others.

Fees

\$1,000 (inc. student services and amenities fee)

Enrolment and Further Information

Applications should be submitted online to UQ.

Visit <https://apply.uq.edu.au>, select application for non-award study, and enrol in both courses (courses codes WATR6001M and WATR6002M)

For further information, contact programme coordinator Dr. Bernardino Virdis b.virdis@uq.edu.au



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