

SKILLS PATHWAYS

CAREERS IN WATER

OCCUPATIONS WITH
TRANSFERABLE SKILLS

WHERE TO START

Introductory micro-credentials

School-based apprenticeship or traineeship

Vocational qualifications (Cert II or III)

Degree in engineering, environment or sciences

PROGRESSING YOUR CAREER

Specialist vocational units in treatment, networks, irrigation, catchments and dams and more

Micro-credentials and industry-recognised Cards with peak bodies

Graduate and mentoring programs with industry bodies and universities

Post graduate qualifications in specialist subjects, (Masters, PhD programs)

READY TO LEAD

Vocational qualifications at leadership levels in Water, Project Management

Management (Cert IV & Diploma)

Leadership programs with industry research organisations and industry bodies

Participation or positions on government, industry, and community reference groups & Advisory Councils, and Boards

Plumbers

Scientists & Lab Technicians

Irrigation Specialists

Mining Maintainers and Operators

Sustainability and Climate Specialists

Asset and Project Managers

Electricians and instrumentation control technicians

Fitters and Mechanical Engineers

VOCATIONAL TRAINING

- Water Industry Operations (Cert II, III, IV, Diploma)
- Specialisations – Catchments and Dams, Civil Construction, Irrigation, Networks, Wastewater, Water treatment, Trade Waste, Hydrometric Monitoring, Asset Management, Control Centre Operations, and Hydrographic Survey
- Leadership and Management (Cert IV, Diploma)

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HIGHER EDUCATION

- Engineering (Associates, Bachelor, Master's degrees)
- Science (Bachelor, Master's degrees)
- Environmental Management (Bachelor, Master's degrees)
- Environmental and Conservation Science (Bachelor, Master's degrees)
- Water Resource Management (Specialty subjects, post-graduate qualifications)
- Integrated Water Management (Specialty subjects, post-graduate qualifications)
- Urban Water Engineering (Specialty subjects, post-graduate qualifications)
- Water Supply, Sanitation and Hygiene (Specialty subjects, post-graduate qualifications)

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SHORT COURSE AND MICRO-CREDENTIAL PROVIDERS

- [qldwater](#)
- [IWES](#)
- [Griffith University and International WaterCentre](#)
- [Water Industry Operators Association of Australia \(WIOA\)](#)
- [National Centre for Groundwater Research + Training](#)
- [Australian Water School](#)
- [University of Queensland](#)
- [Institute of Public Works Australasia \(IPWEA-QNT\)](#)
- [Engineers Australia](#)

GRADUATE, MENTORING & DEVELOPMENT PROGRAMS

- [Australian Water Association](#)
- International Development
- Mentoring program
- Graduate Program - Water with Engineers Australia
- Young Water Professional Leadership Program with International Water Centre
- [Water Industry Operators Association of Australia](#)
- Operator Placement Program
- Step-in Program
- [Water Research Australia](#)
- Research Leadership Program

[Find out more](#)



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**AUSTRALIAN
WATER**
ASSOCIATION

