



NWP40107 Certificate IV in Water Operations

Entura's water operations course provides participants with a mixture of classroom theory, as well as practical demonstrations of functioning civil assets to prepare staff to safely and efficiently operate and monitor water conveyance dam infrastructure.

The course includes site visits to working assets for the training and assessment of operational competency, transferring the practical and operational knowledge of experienced operational staff to the trainee operator in a structured and certified program. Mentor support from your organisation also provides for further customisation of the training program.

The 'essential knowledge and skills' will be provided in a classroom environment. This formal component of the training can be completed in eight weeks.

The practical field-based activities will include both training and assessment activities. Trainees will need to be mentored by appropriate senior staff who will need to sign off on an activity that has been completed using a WCA (workplace competency assessment) workbook.

Where required, a WCA document will be developed to assist in providing guidance for training and assessment for on-job activities. The WCA may be used to track training events as the opportunities occur in the workplace.

If the WCA is not suitable, a workplace evidence of task competence completion in the form of a portfolio will need to be gathered to support the skills development of the trainee and the ultimate successful completion of the qualification.

The assessment events will occur on a regular basis to track activity and to provide support. This component of the training should not take longer than eighteen months and is determined by the availability of mentors, and training and assessment events.

Those gaining this qualification will be able to complete work functions such as the 'development of operational procedures and systems' and 'manage, monitor, inspect and operate dams and associated civil structures'. They will also be able to implement safe work practices and environmental procedures.

Completion requirements

Nine units of competency are required for this qualification including:

- two core units
- seven elective units.

Choose a minimum of three units from the Certificate IV elective list overleaf.

Choose the remaining four units from the Certificate III, IV, or Diploma elective lists or from another endorsed training package or accredited course, as long as:

- no more than two water industry specific elective units (coded NWP) are chosen from the Certificate III in this training package
- no more than three units are chosen from the Diploma in this training package
- no more than three units are chosen from a Certificate IV or Diploma from another endorsed training package or accredited course (by negotiation).



Core competency standard units

All core competency standard units to be achieved

LGACOM405B*	Implement and monitor the organisation's OHS policies, procedures and programs within the work group
NWP401B	Coordinate and monitor the application of environmental plans and procedures

Elective competency standard units

(Choose seven units in line with elective rules)

Certificate III	
NWP318A	Monitor and operate gated spillways
NWP319A	Monitor and control dam operations
NWP320B	Monitor and implement dam maintenance
NWP323B	Monitor and coordinate catchment operations
NWP326A	Conduct and report dam safety instrumentation monitoring
NWP327A	Inspect and report on concrete dam safety
NWP328A	Inspect and report on embankment dam safety

Certificate IV	
NWP415B	Coordinate and monitor surface water systems
NWP416B	Coordinate and monitor water storage catchment activities
NWP420A	Install, operate and maintain hydrometric instruments and equipment
NWP421A	Collect, measure and process hydrometric stream discharge gauging
AHCLPW306A	Undertake sampling and testing of water
BSBMGT402A*	Implement operational plan

Diploma	
NWP511B	Manage dam safety surveillance
NWP512B	Implement and manage catchment management plan
NWP513B	Develop and review catchment management plan

*Not provided. Credit transfer is possible with proof of attainment.