

National Vocational Certificate in Water Supply (Level 3)
--

NQF Level of qualification: 3

Total credits available: 118

Total credits required: 118

	Compulsory	Elective
Level 2 credits available	8	None
Level 3 credits available	100	None
Level 4 credits available	10	None
Minimum totals required	118	None

Registration date: 29 November 2018

Scheduled review date: 2023

Body responsible for the qualification: Namibia Training Authority - NTA

Other bodies whose unit standards are included in the qualification: None

1 PURPOSE

This qualification recognises people who have the competencies required for performing water supply planning, implementing, operations and maintenance tasks. It is awarded to people who have demonstrated the skills and knowledge required to work effectively in the water supply industry to operate and maintain water treatment plants, operate and maintain water supply distribution systems, construct and install water distribution mains and bulk water pipelines and ancillary works. People will competently apply their advanced chemistry skills and are able to carry out specialised laboratory tests. They will further be able to install borehole pumps and headworks, water meters, instrumentation and automation equipment. They will demonstrate skills and knowledge in control room operations and have competencies in dealing with customer relations.

This qualification does not include electives.

The entry requirements for this qualification is the satisfactory completion of the National Vocational Certificate in Water Supply and Sanitation (Level 2) or the recognition of prior learning equivalent with the relevant level of necessary English and Mathematics skills.

This qualification may lead to a National Vocational Certificate in Water Supply and Sanitation (Level 4).

2 REGULATIONS FOR THE QUALIFICATION

2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with a minimum of 118 credits and have met the requirements of both the compulsory and elective sections, as well as requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy on Work-Integrated Learning for Technical and Vocational Education and Training (TVET).

2.2 Detailed qualification requirements

Compulsory

All the unit standards listed below are required.

FIELD: Physical Planning and Construction
Subfield: Water Supply and Sanitation
Domain: Water Supply and Sanitation Operations

Unit ID	Unit Standard Title	Level	Credits
1809	Operate a small specialised package water treatment plant	2	8
1818	Carry out specialist laboratory tests	3	15
1819	Demonstrate application of advanced chemistry in water supply	3	8
1830	Operate and maintain a water treatment plant	3	15
1831	Operate and maintain a water supply distribution system	3	10
1834	Demonstrate control room operations	3	8

FIELD: Physical Planning and Construction
Subfield: Water Supply and Sanitation
Domain: Water Supply and Sanitation Systems

Unit ID	Unit Standard Title	Level	Credits
1821	Construct and operate a bulk water pipeline and ancillary works	3	15
1822	Install water distribution mains for water supply applications and processes	3	12
1824	Conduct borehole pump and headworks installation and maintenance	3	8
1829	Install and maintain water meters	3	6
2147	Plan, install, test and rectify instrumentation control and automation equipment	4	10

FIELD: Physical Planning and Construction
Subfield: Water Supply and Sanitation
Domain: Water Supply and Sanitation Administration

Unit ID	Unit Standard Title	Level	Credits
1828	Demonstrate customer relations for water supply and sanitation operations	3	3

Electives

This qualification does not include any electives.

3 CREDIT RECOGNITION AND TRANSFER ARRANGEMENTS

Credits for any version of a unit standard of the same identification number will be recognised in the award of this qualification.

4 SPECIAL ARRANGEMENTS

4.1 Providers seeking accreditation to deliver this qualification must meet the following special arrangements.

4.1.1 This qualification will be offered to trainees **either** including a period of 6 month of **industrial / job attachment**, or as an **apprenticeship scheme** of a duration determined and agreed upon by the employer and the training provider on a ratio of 70/30 (70% at workplace and 30% at training institution) basis.

Industrial/job attachment is defined as a period in a workplace setting where a trainee obtains structured practical experience in a specific occupation in order to complement competencies acquired during training at a technical vocational training provider (TVTP).

Apprenticeship refers to the system of work integrated learning, where an apprentice is employed by a company on contractual basis, earning a monthly salary, learning and working side-by-side with an experienced mentor. In this case the employer must be an NTA approved entity (company) to register apprentices and has to identify a suitable training provider to provide the apprentice with the opportunity to gain skills and knowledge from theoretical training.

Employers and training providers are encourage to consult the **National Policy On Work-Integrated Learning (WIL) for Technical and Vocational Education and Training (TVET) Sector** for further details on WIL implementation.

4.1.2 Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment framework for the TVET system up to and including level 5 of the National Qualifications Framework. Assessment will include performance and achievement assessment acquired through work integrated learning periods.

Assessment arrangements apply to all occupations and industries which are encompassed in the technical vocational education and training sector.

4.1.3 Providers of this qualification and the associated unit standards must be registered and/or accredited.

4.1.4 Providers of this qualification and their associated unit standards must have access to all equipment and facilities detailed in the tools and equipment list of the relevant training program.

4.2 Competencies covered in this qualification may be assessed through Recognition of Prior Learning (RPL).

4.3 Further relevant information and documentation may be accessed through:

Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 061 207 8550

Facsimile number: 061 207 8551

5 TRANSITION ARRANGEMENTS

5.1 Non National Qualifications Framework transition

None

5.2 National Qualifications Framework transition

This is the first version of this qualification.