

National Vocational Certificate in Civil and Building Services Engineering (Plumbing) (Level 4)
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NQF Level of qualification: 4

Total credits available: 85

Total credits required: 85

	Compulsory	Elective
level 4 credits available	81	-
level 3 credits available	4	-
minimum totals required	85	-

Registration date: 31 May 2018

Scheduled review date: 2023

Body responsible for the qualification: Namibia Training Authority (NTA) through the Mining and Quarrying, Construction, Electricity, Gas, Water Supply and Sanitation Industry Skills Committee (ISC).

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

1 purpose

This qualification recognises people who have the competencies required for performing specialized plumbing tasks. It is awarded to people who have demonstrated the skills and knowledge required to plan and install water firefighting system, plan, install and commission domestic pumps, plan, install and remove trench support as part of plumbing operations, plan and prepare quotations, complete tender documents for plumbing projects and products, connect and test irrigation system as part of plumbing operations, plan and install on-site domestic effluent treatment plants, develop innovative ideas for the plumbing workplace. They further have a better understanding for applying knowledge of intermediate mathematics in different context, apply advanced knowledge of building science in different context, apply knowledge of advanced building drawing in different context, establish a business as part of entrepreneurship operations, implement, control and monitor business operations

2 regulations for the qualification

2.1 Summary of qualification requirements

The entry requirement is the National Vocational Certificate in Civil and Building Services Engineering (Plumbing) (Level 3) or equivalent.

This qualification will be awarded to people who are credited with 85 credits and have met the requirements of the compulsory sections as well as all the requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy on Work-Integrated Learning for Technical 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: Civil and Building Services Engineering
Domain: Plumbing

Unit No.	Unit Standard Title	Level	Credit
459	Plan and install water fire fighting system	4	6
1917	Plan, install and commission domestic pumps	4	6
469	Plan, install and remove trench support as part of plumbing operations	4	4
1918	Plan and prepare quotations, complete tender documents for plumbing projects and products	4	4
1919	Connect and test irrigation systems as part of plumbing operations	4	8
473	Plan and install on-site domestic effluent treatment plants	4	8
500	Develop innovative ideas for the plumbing workplace	3	4

AND

FIELD: Physical, Mathematics and Computer Science
Subfield: Numeracy
Domain: Foundation Numeracy Skills

Unit ID	Unit Standard Title	Level	Credits
892	Apply knowledge of intermediate mathematics in different context	4	6

AND

FIELD: Physical, Planning and Construction
Subfield: Building Science and Drawing
Domain: Foundation Building Science and Drawing Skills

Unit ID	Unit Standard Title	Level	Credits
899	Apply advanced knowledge of building science in different context	4	6
905	Apply knowledge of advanced building drawing in different context	4	6

AND

FIELD: Financial and Business Services
Subfield: Business Development
Domain: Entrepreneurship

Unit No.	Unit Standard Title	Level	Credit
735	Establish a business as part of entrepreneurship operations	4	12
736	Implement, control and monitor business operations	4	15

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 registration and/or accreditation to deliver this qualification must meet the following special arrangements.

4.1.1 This qualification will be offered to trainees either including a 6 months period 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 encouraged 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

Version 2

This qualification was updated and issued as Version 2 in 2018.

Version 1 of this qualification will not be awarded as from 31 December 2020. People currently working towards Version 1 of this qualification are advised to transfer their existing credit awards to this version of the qualification at any time during 2019 and beyond.

People holding the earlier version of this qualification will continue to have their qualification recognised within the Civil and Building Services Engineering Industry (Plumbing) in terms of meeting relevant career and further learning entry and/or progression requirements.