

National Vocational Certificate in Civil and Building Services Engineering (Bricklaying & Plastering) (Level 1)
--

NQF Level of qualification: 1

Total credits available: 67

Total credits required: 67

	Compulsory	Elective
Level 1 credits available	63	-
Level 2 credits available	4	-
minimum totals required	67	-

Registration date: 28 March 2018

Scheduled review date: 2023

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

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

1 purpose

This qualification recognises people who have the competencies required for performing basic bricklaying and plastering tasks. It is awarded to people who have demonstrated the skills and knowledge required to perform basic bricklaying and plastering tasks, including plan and organise construction work, manufacturing bricks, using bricklaying hand tools and work in a bricklaying team; perform basic estimations, measurements and calculations; carry out levelling, build, plaster and render a straight brick wall between profiles and return corners; apply fundamental communication and numeracy competencies in the workplace; entrepreneurship skills; provide basic first aid; and occupational health and safety and demonstrate basic awareness of HIV and AIDS.

This qualification is designed to be accessible and flexible. There are no entry requirements for this qualification.

The main focus is on the outcomes of this qualification, not the how, when and where learning occurred. Some people applying to do this qualification may currently be competent in one or more of the unit standards and should then be given the opportunity to apply for recognition of prior learning.

This qualification leads to the National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 2).

2 Regulations for the qualification

2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with **67** credits and have met the requirements of the compulsory sections, as well as all 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: Civil and Building Services Engineering

Domain: Bricklaying and Plastering

Unit ID	Unit Standard Title	Level	Credits
1	Plan and organise construction work	1	2
4	Apply and demonstrate knowledge of manufacturing bricks and blocks	1	4
5	Use bricklaying and plastering hand tools	1	2
7	Work in a building construction team	1	2
8	Perform basic estimations, measurements and calculations for bricklaying operations	2	4
9	Carry out levelling using a spirit level and straight edge as part of bricklaying operations	1	2
1788	Build, plaster and render a straight brick wall with or without profiles and return corners in different bonds	1	12

AND

FIELD: Communication Studies and Languages

Subfield: Communication

Domain: Foundational Communication Skills

Unit ID	Unit Standard Title	Level	Credits
1150	Apply basic reading skills in a workplace environment	1	3
1151	Interact with others in a workplace environment	1	5
1152	Use workplace document	1	5

AND**FIELD:** Physical, Mathematical and Computer Studies**Subfield:** Numeracy**Domain:** Foundation Numeracy Skills

Unit ID	Unit Standard Title	Level	Credits
1153	Apply basic numeracy skills in a workplace environment	1	5

AND**FIELD:** Health Sciences and Social Studies**Subfield:** Core Health**Domain:** First Aid

Unit ID	Unit Standard Title	Level	Credits
843	Provide basic first aid	1	3

AND**FIELD:** Health Sciences and Social Services**Subfield:** Core Health**Domain:** HIV and AIDS Awareness

Unit ID	Unit Standard Title	Level	Credits
1155	Demonstrate basic awareness of HIV and AIDS	1	6

AND**FIELD:** Health Sciences and Social Services**Subfield:** Health Care**Domain:** Occupational Health and Safety

Unit ID	Unit Standard Title	Level	Credits
1157	Demonstrate basic knowledge of workplace health and safety	1	7

AND**FIELD:** Building, Commerce and Management Studies**Subfield:** Business Development**Domain:** Entrepreneurship

Unit ID	Unit Standard Title	Level	Credits
1158	Apply basic entrepreneurship	1	5

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 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.

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

4.1.3 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
10 Rand Street
Khomasdal
Namibia
Telephone number: 061 207 8550
Facsimile number: 061 207 8551

5 Transitions 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 with the Bricklaying and Plastering industry in terms of meeting relevant career and further learning entry and/or progression requirements.

National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 2)
--

Level of qualification: 2

Total credits available: 72

Total credits required: 72

	Compulsory	Elective
Level 2 credits available	72	-
Minimum totals required	72	-

Registration date: 28 March 2018

Scheduled review date: 2023

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

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

1 Purpose

This qualification recognises people who have the competencies required for performing bricklaying and plastering tasks. It is awarded to people who have demonstrated the skills and knowledge required to perform a range of bricklaying and plastering tasks, including communicate in the bricklaying industry, excavation and setting out operations, read and interpret building drawings, work safely on scaffolding, building brick structures, performing basic rendering, plastering and concreting tasks, install door and window frames, lay paving, demonstrate knowledge of building construction principles; demonstrate knowledge of the requirements of entrepreneurs; apply knowledge of basic building science; building drawing; basic mathematics in different contexts and demonstrate knowledge of HIV and AIDS in the workplace.

This qualification is designed to be accessible and flexible. The entry requirement for this qualification is the National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 1) or equivalent.

The main focus is on the outcomes of this qualification, not the how, when and where learning occurred. Some people applying to do this qualification may currently be competent in one or more of the unit standards and should then be given the opportunity to apply for recognition of prior learning.

This qualification leads to the National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 3).

2 Regulations for the qualification

2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with **72** credits and have met the requirements of the compulsory sections, as well as all requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy On Work-Integrated Learning (WIL) 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: Civil and Building Services Engineering

Domain: Bricklaying and Plastering

Unit ID	Unit Standard Title	Level	Credits
6	Communicate in the bricklaying industry	2	2
10	Carry out excavation as part of bricklaying operations	2	4
11	Setting out and levelling	2	8
12	Read and interpret building drawings as part of bricklaying operations	2	3
13	Work safely on scaffolding, platforms and ladders as part of bricklaying operations	2	6
14	Build a brick wall with different corners	2	8
16	Cast, finish and cure concrete	2	4
17	Perform plastering and rendering	2	4
26	Install door and window frames as part of bricklaying operations	2	4
27	Lay paving	2	4
1789	Demonstrate Knowledge of Building Construction Principles	2	3

AND

FIELD: Business, Commerce and Management Studies

Subfield: Business Development

Domain: Entrepreneurship

Unit ID	Unit Standard Title	Level	Credits
732	Demonstrate knowledge of the requirements of entrepreneurs	2	4

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
897	Apply knowledge of basic building science in different contexts	2	6
903	Apply knowledge of basic building drawing in different contexts	2	6

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

Unit ID	Unit Standard Title	Level	Credits
890	Apply knowledge of pre-basic mathematics in different context	2	6

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
10 Rand Street
Khomasdal
Namibia
Telephone number: 061 207 8550
Facsimile number: 061 207 8551

5 Transitions 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 with the Bricklaying and Plastering industry in terms of meeting relevant career and further learning entry and/or progression requirements.

National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 3)
--

Level of qualification: 3

Total credits available: 102

Total credits required: 102

	Compulsory	Elective
Level 3 credits available	102	-
Minimum totals required	102	-

Registration date: 28 March 2018

Scheduled review date: 2023

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

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

1 Purpose

This qualification recognises people who have the competencies required for performing bricklaying and plastering tasks. It is awarded to people who have demonstrated the skills and knowledge required to perform a range of bricklaying and plastering tasks, including constructing arches, masonry steps and stairs and curved walls; carry out reinforced concrete work; laying stones; lay wall and floor tiles; plaster/rendering large areas of walls and ceilings; Develop innovative ideas; and calculate quantity of building materials; provide general First Aid; ensure own actions reduce risk to health and safety; demonstrate responsibility within the workplace to protect the environment; identify, create and select business opportunities; develop a business plan as part of business start-up activities.; apply knowledge of basic mathematics; fundamental building science; building drawings in different contexts.

The entry requirement for this qualification is the National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 2) or equivalent.

The main focus is on the outcomes of this qualification, not the how, when and where learning occurred. Some people applying to do this qualification may currently be competent in one or more of the unit standards and should then be given the opportunity to apply for recognition of prior learning.

This qualification leads to the National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 4).

2 Regulations for the qualification

2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with **102** credits and have met the requirements of the compulsory sections, as well as all 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: Civil and Building Services Engineering

Domain: Bricklaying and Plastering

Unit ID	Unit Standard Title	Level	Credits
19	Carry out reinforced concrete work	3	8
21	Construct masonry arches	3	8
22	Construct masonry curved walls	3	4
23	Construct masonry stairs and steps	3	4
28	Lay stone	3	4
29	Lay wall and floor tiles	3	4
30	Use machine tools, plants and equipment	3	2
32	Plaster / render wall and ceiling areas	3	8
33	Develop innovative ideas for the bricklaying workplace	3	8
1790	Estimate construction costs	3	5

AND

FIELD: Health Sciences and Social Science

Subfield: Core Health

Domain: First Aid

Unit ID	Unit Standard Title	Level	Credits
844	Provide general First Aid	3	4

AND**FIELD:** Health Sciences and Social Services**Subfield:** Preventative Health**Domain:** Occupational Health and Safety

Unit ID	Unit Standard Title	Level	Credits
846	Ensure own actions reduce risk to health and safety	3	3
847	Demonstrate responsibility within the workplace to protect the environment	3	5

AND**FIELD:** Business, Commerce and Management Studies**Subfield:** Business Development**Domain:** Entrepreneurship

Unit ID	Unit Standard Title	Level	Credits
733	Identify, create and select business opportunities	3	5
734	Develop a business plan as part of business start-up activities	3	12

AND**FIELD:** Physical, Mathematical and Computer Science**Subfield:** Numeracy**Domain:** Foundation Numeracy Skills

Unit ID	Unit Standard Title	Level	Credits
891	Apply knowledge of basic mathematics in different context	3	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
898	Apply knowledge fundamental building science in different context	3	6
904	Apply fundamental knowledge of building drawing in different contexts	3	6

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
10 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 with the Bricklaying and Plastering industry in terms of meeting relevant career and further learning entry and/or progression requirements.

National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 4)
--

Level of qualification: 4

Total credits available: 136

Total credits required: 136

	Compulsory	Elective
level 4 credits available	136	-
minimum totals required	136	-

Registration date: 28 March 2018

Scheduled review date: 2023

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

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

1 Purpose

This qualification recognises people who have the competencies required for performing advanced bricklaying and plastering tasks. It is awarded to people who have demonstrated the skills and knowledge required to perform advanced bricklaying and plastering tasks, including constructing cavity walls, chimneys and fireplaces and multi-thickness walls and piers; applying decorative finishes to different surfaces and renovating building structures; construct masonry drainage structures and perform advanced plastering/rendering techniques; provide advance first aid; develop procedures to safely control work operations; monitor procedures to safely control wok operations; supervise the health, safety and welfare of an employee new to the role in the work place; establish a business as part of entrepreneurship operations; implement, control and monitor business operation; apply knowledge of intermediate mathematic; advanced building drawing; advanced building science.

The entry requirement for this qualification is the National Vocational Certificate in Civil and Building Services Engineering (Bricklaying and Plastering) (Level 3) or equivalent.

The main focus is on the outcomes of this qualification, not the how, when and where learning occurred. Some people applying to do this qualification may currently be competent in one or more of the unit standards and should then be given the opportunity to apply for recognition of prior learning.

2 Regulations for the qualification

2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with **136** credits and have met the requirements of the compulsory sections, as well as all requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy On Work-Integrated Learning (WIL) 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: Civil & Building Services Engineering

Domain: Bricklaying and Plastering

Unit ID	Unit Standard Title	Level	Credits
34	Apply decorative finishes to different surfaces	4	8
35	Apply advanced plastering and rendering techniques	4	8
36	Construct corbels and decorative surfaces	4	8
37	Construct cavity wall	4	8
38	Construct chimneys and fireplaces	4	8
39	Construct multi-thickness walls and piers	4	8
40	Construct masonry drainage structures	4	8
41	Restore or renovate building structures	4	8

AND

FIELD: Health Science and Social Studies

Subfield: Core Health

Domain: First Aid

Unit ID	Unit Standard Title	Level	Credits
845	Provide advanced First Aid	4	8

AND

FIELD: Health Science and Social Sciences

Subfield: Preventative Health

Domain: Occupational Health and Safety

Unit ID	Unit Standard Title	Level	Credits
848	Develop procedures to safely control work operations	4	6

849	Monitor procedures to safely control work operations	4	5
850	Supervise the health, safety and welfare of an employee new to the role in the work place	4	8

AND**FIELD:** Business, Commerce and Social Studies**Subfield:** Business Development**Domain:** Entrepreneurship

Unit ID	Unit Standard Title	Level	Credits
735	Establish a business as part of entrepreneurship operations	4	12
736	Implement, control and monitor business operation	4	15

AND**FIELD:** Physical, Mathematical and Computer Science**Subfield:** Numeracy**Domain:** Foundation Numeracy Skills

Unit ID	Unit Standard Title	Level	Credits
892	Apply knowledge of intermediate mathematic in different contexts	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

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 with the Bricklaying and Plastering industry in terms of meeting relevant career and further learning entry and/or progression requirements.