

National Vocational Certificate in Facility Maintenance (Level 2)
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level of qualification: 2

credit total: 80

	Compulsory	Elective
level 1 credits available	35	9
level 2 credits available	42	-
minimum totals required	77	3

registration date:

scheduled review date:

body responsible for the qualification: Namibia Training Authority (NTA)

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

1 purpose

This Qualification has been developed to assist with the advancement of people who wish to gain paid employment and further their career in Facility Maintenance operations. The intention of this qualification is to assist;

- Those who have been in the workplace for a long time, by using the recognition of prior learning process to assess and recognise workplace skills acquired without the benefit of formal education and training;
- New entrants, by describing the learning outcomes required to participate effectively, e.g. in a structured workplace programme
- Education and training providers, by providing guidance for the development of appropriate learning programmes and assessment documentation;
- Employers, by enabling skills gaps to be identified and addressed ensuring that productivity levels are increased and business objectives achieved.

Training programmes leading to the award of this qualification will assist in addressing the on-going demand for qualified facility maintenance workers in Namibia by equipping learners with;

- (i) General employability skills related to:
- Entrepreneurship
 - First Aid
 - HIV and AIDS Awareness
 - Occupational Health and Safety; and
- (ii) Occupational skills related to:
- Plumbing operations;

- *Handling pipes, fittings, appliances, drain cleaning materials, sealants, valves, and lubricants*
- *Jointing galvanised pipes, copper pipes, and PVC pipes*
- *Maintaining taps, valves and cocks, and*
- *Clearing blockages in pipe work*
- **Carpentry operations;**
 - *Describing types and properties of timber*
 - *Identifying timber defects and diseases*
 - *Handling and storing sawn timber*
 - *Determining material requirements for products*
 - *Constructing trays, chopping board, toolbox, trestle and wall shelves*
- **Metal Fabrication operations;**
 - *Obtaining basic measurements and performing basic calculations*
 - *Preparing material for welding*
 - *Arc Welding mild steel*
- **Bricklaying and Plastering operations;**
 - *Obtaining basic measurements and performing basic calculations*
 - *Digging excavation*
 - *Mixing mortar and mixing concrete*
 - *Building straight walls with return and squint corner*
 - *Screeding, levelling, finishing and curing concrete*
 - *Applying plastering and rendering*

AND ANY ONE (1) OF THE FOLLOWING:

- **Automotive Mechanics operations**
 - *Cleaning and finishing interior and exterior of a vehicle*
- **Air-conditioning operations**
 - *Cleaning air conditioners and components*
- **Solar thermal and photovoltaic operations**
 - *Inspecting and cleaning solar panels and accessories*

As a result, this qualification provides opportunities for paid employment acting as a reward for contributions to society by facilitating social and economic transformation, empowerment and general upliftment of the Facility Maintenance industry and country in general.

This qualification allows to progress vertically to the National Vocational Certificate in Facility Maintenance (Level 3) and it provides opportunities to progress horizontally for further specialisation in other occupational areas such as plumbing, carpentry, metal fabrication, bricklaying and plastering, and automotive mechanics.

2 regulations for the qualification

2.1 summary of qualification requirements

This qualification will be awarded to people who are credited with the requirements of the compulsory section.

2.2 detailed qualification requirements

Compulsory Set

All the unit standards listed below are required

FIELD: BUSINESS, COMMERCE AND MANAGEMENT STUDIES
 Subfield: Business Development
 Domain: Entrepreneurship

Unit No.	Unit Standard Title	Level	Credit
732	Demonstrate knowledge of the requirements of entrepreneurs	2	4

FIELD: HEALTH SCIENCES AND SOCIAL SERVICES
 Subfield: Core Health
 Domain: First Aid

Unit No.	Unit Standard Title	Level	Credit
843	Provide basic first aid	1	3

FIELD: HEALTH SCIENCES AND SOCIAL SERVICES
 Subfield: Core Health
 Domain: HIV and AIDS Awareness

Unit No.	Unit Standard Title	Level	Credit
1155	Demonstrate basic awareness of HIV and AIDS	1	2

FIELD: HEALTH SCIENCES AND SOCIAL SERVICES
 Subfield: Preventive Health
 Domain: Occupational Health and Safety

Unit No.	Unit Standard Title	Level	Credit
1157	Demonstrate basic knowledge of workplace health and safety	1	7

FIELD: SERVICES AND LIFE SCIENCES
 Subfield: Facility Maintenance

Domain: Maintenance Operations

Unit No.	Unit Standard Title	Level	Credit
NEW FM005	Implement work activities as part of a maintenance plan	2	4

FIELD: PHYSICAL PLANNING AND CONSTRUCTION
Subfield: General Construction
Domain: Plumbing

Unit No.	Unit Standard Title	Level	Credit
436	Handle and store plumbing materials	1	2
439	Perform basic estimations, measurements and calculations as part of plumbing operations	1	2
443	Work safely on scaffolding, work platforms and ladders as part of plumbing operations	2	2
444	Perform basic pipe-work as part of plumbing operations	1	4
445	Carry out basic maintenance of domestic plumbing installations	1	6

FIELD: PHYSICAL PLANNING AND CONSTRUCTION
Subfield: General Construction
Domain: Carpentry

Unit No.	Unit Standard Title	Level	Credit
1575	Select material for product	1	3
1576	Construct products	1	6

FIELD: MANUFACTURING, ENGINEERING AND TECHNOLOGY
Subfield: Mechanical Engineering
Domain: Metal Fabrication - Core

Unit No.	Unit Standard Title	Level	Credit
236	Weld mild steel using the manual arc welding process in down hand position	2	6
237	Perform basic estimations, measurements and calculations as part of metal fabrication operations	2	4

FIELD: PHYSICAL PLANNING AND CONSTRUCTION
 Subfield: General Construction
 Domain: Bricklaying and Plastering

Unit No.	Unit Standard Title	Level	Credit
8	Perform basic estimations, measurements and calculations for bricklaying operations	2	2
10	Carry out basic excavation as part of bricklaying operations	2	4
14	Build a straight brick wall	2	8
16	Cast, finish and cure concrete	2	4
17	Perform basic plastering and rendering	2	4

Elective Set

Any one (1) of the following unit standards is required

FIELD: MANUFACTURING, ENGINEERING AND TECHNOLOGY
 Subfield: Automotive Engineering
 Domain: Automotive Mechanics

Unit No.	Unit Standard Title	Level	Credit
70	Clean and finish the interior, exterior and components of an automobile	1	3

FIELD: SERVICES AND LIFE SCIENCES
 Subfield: Facility Maintenance
 Domain: Maintenance Operations

Unit No.	Unit Standard Title	Level	Credit
NEW FM006	Clean air-conditioning system components	1	3
NEW FM007	Maintain solar thermal and photovoltaic system	1	3

3 credit recognition and transfer arrangements

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

4 special arrangements

4.1 Providers wishing to offer training and/or assessment linked to any or all of the unit standards making up this qualification are strongly urged to seek and obtain Registration and Accreditation to do so from the relevant authorities in Namibia.

4.2 Special Arrangements may apply to the accreditation of providers offering learning pathways to and/or undertaking assessment relating to all unit standards listed in this qualification in other Subfields and Domains. These Special Arrangements are available from:

Namibia Qualifications Authority
44 Bismarck St.
Windhoek
Namibia
Telephone number: 061-384116
Facsimile number: 061-384114
Email: info@namqa.org

Namibia Training Authority
Rand Street
Komasdal
Namibia
Telephone number: 061-27 9550
Facsimile number: 061-27 9551
Email: info@nta.com.na

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.