

National Vocational Certificate in Electrical Engineering (Level 2) (Electronics)
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Level of qualification: 2

	Compulsory	Elective
level 2 credits available	71	-
level 1 credits available	68	-
minimum totals required	139	-

Registration date: <entered by the Namibia Qualifications Authority>

Scheduled review date: <entered by the Namibia Qualifications Authority>

Body responsible for the qualification: Namibia Training Authority

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

1 Purpose

This qualification recognises people who have the competencies required for performing electronic tasks. It is awarded to people who have demonstrated the skills and knowledge required to work effectively in the electronic industry to apply health and safety rules and regulations in electronics workplace, use and maintain tools and instruments, carry out basic electrical circuit analysis, demonstrate and apply knowledge of high frequency circuits, carry out soldering and de-soldering tasks, analyse AC and DC electrical circuits, demonstrate and apply knowledge of combinational digital electronic circuits, analyse analogue electronic circuits, Interact with others in a workplace environment, apply knowledge of pre-basic mathematics, engineering science and engineering drawing, provide basic first aid, demonstrate basic awareness of HIV and AIDS, demonstrate basic knowledge of workplace health and safety, entrepreneurship and computer literacy skills.

This qualification is designed to be accessible and flexible. The entry requirement for this qualification is Grade 12 or equivalent qualification.

This qualification leads to the National Vocational Certificate in Electrical Engineering (Level 3) (Electronic)

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 139 credits and have met the requirements of the compulsory sections.

2.2 Detailed qualification requirements

Compulsory

All the unit standards listed below are required.

FIELD: Manufacturing and Engineering Technology

Subfield: Electrical Engineering

Domain: Electronics

Unit ID	Unit Standard Title	Level	Credits
E01	Apply health and safety rules and regulations in electronics workplace	1	3
E02	Plan and organise work in electronic work environment	1	4
E03	Use and Maintain Tools and Instruments in Electronics work	1	7
E04	Demonstrate introductory knowledge of circuit concepts and measurements for electronic	1	4
E05	Carry out basic electrical circuit analysis	1	9
E06	Analyse analogue electronics circuits I	1	9
E07	Carry out soldering and de-soldering tasks	1	3
E08	Analyse AC and DC electrical circuits I	2	10
E09	Apply knowledge of combinational digital electronic circuits	2	10
E010	Analyse analogue electronics circuits II	2	19
E011	Apply knowledge of high frequency circuits	2	10

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

AND

FIELD: Engineering and Technology

Subfield: Foundational Engineering Science and Engineering Drawing

Domain: Foundation Engineering Science and Drawing skills

Unit ID	Unit Standard Title	Level	Credits
893	Apply knowledge of basic engineering science in different contexts	2	6
900	Apply basic knowledge of engineering drawing in different contexts	2	6

AND

FIELD: Health Sciences and Social Services
 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: 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, Mathematical and Computer Studies
 Subfield: Information Communication Technology
 Domain: Computing Fundamentals

Unit ID	Unit Standard Title	Level	Credits
1156	Apply fundamental computer literacy skills	1	8

AND

FIELD: Health Sciences and Social Services
 Subfield: Preventive Health
 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: Communication Studies and Language
 Subfield: Communication Skills
 Domain: Foundation 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 documents	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

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

1. Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment arrangements for the VET system up to and including level 4 of the Namibia Qualifications Framework. These arrangements apply to all occupations and industries, including Electronic, which are encompassed in the vocational education and training sector. A copy of the national assessment arrangements is available from:

Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 061 - 207 8550

Facsimile number: 061 - 207 8551

2. Providers of this qualification and the associated unit standards must be accredited.
3. Providers of this qualification and the associated unit standards must have access to all equipment and facilities detailed in the Special Notes and / or Range Statements in the unit standards that comprise this qualification.
4. Providers in receipt of funding through the NTA to deliver this qualification must use the national curriculum and training materials developed by the NTA for the National Vocational Certificate in Electrical Engineering (Level 2) (Electronic)

5. The national curriculum and training materials for this qualification are available from:

Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 061 - 207 8550

Facsimile number: 061 - 207 8551

Web: www.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.