

National Vocational Certificate in Electrical Engineering (Level 4) (Instrumentation and Control)
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Level of qualification: 4

	Compulsory	Elective
level 4 credits available	84	-
minimum totals required		-

Registration date:

Scheduled review date:

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 Instrumentation and Control tasks. It is awarded to people who have demonstrated the skills and knowledge required to Apply knowledge of Analytical instruments, Install and maintain safety systems and security devices, Carry out administration activities, Apply knowledge of process valves and actuators, Wire a panel, Demonstrate and Apply knowledge of Signal Conditioners, Apply knowledge of Distributed Control Systems, Perform equipment operation test establish a business as part of entrepreneurship operations, implement, control and monitor business operations, apply knowledge of intermediate mathematics in different context, apply advanced knowledge of engineering science and engineering drawing in different contexts.

This qualification is designed to be accessible and flexible. The entry requirement is the National Vocational Certificate in Electrical Engineering level 3 (Instrumentation and Control).

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 84 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: Electronic Engineering

Domain: Instrumentation and Control

Unit ID	Unit Standard Title	Level	Credits
xxxx	Apply knowledge of Analytical instruments	4	5
xxxx	Install and maintain safety systems and security devices	4	7
xxxx	Carry out administration activities	4	2
xxxx	Apply knowledge of process valves and actuators	4	5
xxxx	Wire a panel	4	5
xxxx	Demonstrate and Apply knowledge of Signal Conditioners	4	3
xxxx	Apply knowledge of Distributed Control Systems	4	8
xxxx	Perform equipment operation test	4	4
xxxx			

AND

FIELD: Business, Commerce and Management 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 operations	4	15

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: Engineering and Technology

Subfield: Foundational Engineering Science and engineering drawing

Domain: Foundational Engineering Science and Drawing Skills

Unit ID	Unit Standard Title	Level	Credits
896	Apply advanced knowledge of engineering science in different contexts	4	6
902	Apply knowledge of advanced engineering drawing in different contexts	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

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 5 of the Namibia Qualifications Framework. These arrangements apply to all occupations and industries, including Instrumentation and Control, 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: 207 8550

Facsimile number: 207 8551

Email info@nta.com.na

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 in Electrical Engineering (Level 4) (Instrumentation and Control)

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

Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 207 8550

Facsimile number: 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.