

**National Vocational Certificate in Automotive Engineering (Level 2)
(Automotive Electrical and Electronics)**

level of qualification: 2

	Compulsory	Elective
level 2 credits available	60	-
minimum totals required	60	-

registration date: 15 November 2007

scheduled review date: 2012

body responsible for the qualification: Project Management Unit - 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 automotive electrical and electronics tasks. It is awarded to people who have demonstrated the skills and knowledge required to communicate in an work environment; establish customer relations; apply knowledge of automotive electrical and electronic applications; carry out repairs to single electrical circuits; carry out low-voltage wiring repairs; service automotive batteries; install and repair electrical lighting system of vehicles; test and repair electrical charging system; test and repair electrical starting system; sketch and interpret low-voltage electrical circuit diagrams; and demonstrate knowledge of HIV and AIDS in the workplace.

This qualification is designed to be accessible and flexible. The entry requirement is the National Vocational Certificate in Automotive Engineering (Level 1) (Automotive Electrical and Electronics) 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 Automotive Engineering (Level 3) (Automotive Electrical and Electronics).

2 regulations for the qualification

2.1 summary of qualification requirements

This qualification will be awarded to people who are credited with 60 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, Engineering and Technology
 Subfield: Automotive Engineering
 Domain: Automotive Electrical and Electronics

Unit No.	Unit Standard Title	Level	Credit
478	Apply knowledge of automotive electrical and electronic applications	2	10
479	Carry out repairs to single electrical circuits	2	5
480	Carry out low-voltage wiring repairs	2	8
481	Service automotive batteries	2	4
482	Install and repair electrical lighting system of vehicles	2	6
483	Test and repair electrical charging system	2	5
484	Test and repair electrical starting system	2	5
485	Sketch and interpret low-voltage electrical circuit diagrams	2	9

AND

FIELD: Manufacturing, Engineering and Technology
 Subfield: Automotive Engineering
 Domain: Automotive Mechanics

Unit No.	Unit Standard Title	Level	Credit
74	Communicate in an automotive mechanic work environment	2	2
89	Establish customer relations in an automotive mechanic environment	2	2

AND

FIELD: Health Sciences and Social Services
 Subfield: Core Health
 Domain: HIV and AIDS awareness

Unit No.	Unit Standard Title	Level	Credit
331	Demonstrate knowledge of HIV and AIDS in the workplace	2	4

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 automotive electrical and electronics, which are encompassed in the vocational education and training sector. A copy of the national assessment arrangements is available from:

Project Management Unit – Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 27 9550

Facsimile number: 27 9551

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 of programs 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 Automotive Engineering (Level 2) (Automotive Electrical and Electronics).
5. The national curriculum and training materials for this qualification are available from:

Project Management Unit – Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 27 9550

Facsimile number: 27 9551

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.