

National Vocational Certificate in Automotive Engineering (Level 2) (Automotive Mechanics)

level of qualification: 2

	Compulsory	Elective
level 2 credits available	49	-
minimum totals required	49	-

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 mechanics tasks. It is awarded to people who have demonstrated the skills and knowledge required to apply knowledge of basic mathematical and engineering science related to automotive mechanics; communicate in an automotive mechanic work environment; use automotive measuring and checking tools and instruments; produce and interpret engineering sketches related to automotive mechanics; service wheels and tyres; service drive train shafts, joints and bearings; service cooling system; service carburettor fuel system; service exhaust system; maintain basic electrical circuits; maintain conventional ignition system; perform lubrication service; carry out soft soldering; apply basic oxy acetylene welding techniques; apply basic gas metal arc welding techniques; apply basic manual metal arc welding techniques; establish customer relations; 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 Mechanics) 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 Mechanics).

2 regulations for the qualification

2.1 summary of qualification requirements

This qualification will be awarded to people who are credited with 49 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 Mechanics

Unit No.	Unit Standard Title	Level	Credit
73	Apply knowledge of basic mathematical and engineering science related to automotive mechanics	2	3
74	Communicate in an automotive mechanic work environment	2	2
75	Use automotive measuring and checking tools and instruments	2	3
76	Produce and interpret engineering sketches related to automotive mechanics	2	3
77	Service wheels and tyres of a motor vehicle in an automotive mechanics workshop	2	3
78	Service motor vehicle drive train shafts, joints and bearings	2	3
79	Service motor vehicle cooling system	2	3
80	Service motor vehicle carburettor fuel system	2	3
81	Service a motor vehicle exhaust system	2	3
82	Maintain basic electrical circuits of a vehicle	2	4
83	Maintain conventional ignition system of a motor vehicle	2	3
84	Perform lubrication service on a vehicle	2	3
85	Carry out soft soldering of vehicle's electrical wiring system	2	1
86	Apply basic oxy acetylene welding techniques used in automotive mechanics	2	2
87	Apply basic gas metal arc welding techniques used in automotive mechanics	2	2
88	Apply basic manual metal arc welding techniques used in automotive mechanics	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 mechanics, 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 Mechanics).

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.