

**National Vocational Certificate in Automotive Engineering (Vehicle Collision Repair and Spray Painting) (Level 3)**

**NQF Level of qualification: 3**

**Total credits available: 154**

**Total credits required: 154**

	<b>Compulsory</b>	<b>Elective</b>
<b>Level 3 credits available</b>	<b>150</b>	-
<b>Level 4 credits available</b>	<b>4</b>	-
<b>Minimum credits required</b>	<b>154</b>	-

**Registration date:** 14 March 2019

**Scheduled review date:** 2024

**Body responsible for the qualification:** Namibia Training Authority through the Manufacturing, Automotive Sales and Arts & Crafts Industry Skills Committee.

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

## **1 Purpose**

This qualification is for any individual who is, or wishes to be involved in the vehicle collision repair and spray painting industry. It serves to support and advance the functioning of individuals in this industry. This qualification recognises people who have the competencies required for performing vehicle collision repair and spray painting task. It is awarded to people who have demonstrated the skills and knowledge required to use and maintain electrical and mechanical tools for panel beating and spray painting; dismantle and assemble vehicle body parts; demonstrate knowledge of basic electrical and electronic circuits and components; apply vehicle body filler; repair minor dents on vehicle body; apply basic glass fitment techniques; demonstrate knowledge of motor vehicle safety systems; perform basic chassis repair and apply panel bonding techniques, conduct vehicle inspection, apply filler primer, polish painted panels, apply masking and de-masking vehicle body parts, demonstrate knowledge of spray painting, prepare and finish vehicle body panels, perform basic colour mixing and matching and carry out basic spray painting. They further have a good understanding of applying knowledge of basic mathematics in different context; apply knowledge of fundamental engineering science in different contexts and apply fundamental knowledge of engineering drawing in different contexts.

This qualification leads vertically to National Vocational Certificate in Vehicle Collision Repair and Spray Painting (Level 4) through participating in full time study at an accredited or registered training provider or through RPL (Recognition of Prior Learning).

The entry requirement is the National Vocational Certificate in Automotive Engineering (Automotive - Foundation) (Level 2) or equivalent.

## 2 Regulations for the qualification

### 2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with a minimum of 154 credits and have met the requirements of both the compulsory and elective sections, as well as all requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy On Work-Integrated Learning for Technical and Vocational Education and Training (TVET).

### 2.2 Detailed qualification requirements

#### Compulsory

*All the unit standards listed below are required.*

**FIELD:** Manufacturing, Engineering and Technology

**Subfield:** Automotive Engineering

**Domain:** Vehicle Collision Repair

Unit ID	Unit Standard Title	Level	Credits
1990	Use and maintain electrical and mechanical tools for vehicle collision repair	3	4
1991	Dismantle and assemble vehicle body parts	3	6
1992	Demonstrate knowledge of basic electrical and electronic circuits and components	3	6
1993	Apply vehicle body filler	3	6
1994	Repair minor dents on vehicle body	3	10
1995	Apply basic glass fitment techniques	3	6
1996	Perform metal cutting processes	3	5
1997	Demonstrate knowledge of motor vehicle safety systems	3	8
1998	Perform basic chassis repair	3	12
1999	Apply panel bonding techniques	3	8
2010	Conduct vehicle inspection	4	4

#### AND

**FIELD:** Manufacturing, Engineering and Technology

**Subfield:** Automotive Engineering

**Domain:** Spray Painting

Unit ID	Unit Standard Title	Level	Credits
1983	Apply filler primer	3	8

1984	Polish painted panels	3	8
1985	Apply masking and de-masking vehicle body parts	3	7
1986	Demonstrate knowledge of spray painting	3	4
1987	Prepare and finish vehicle body panels	3	10
1988	Perform basic colour mixing and matching	3	12
1989	Carry out basic spray painting	3	12

**AND****FIELD:** Physical, Mathematics and Computer Science**Subfield:** Numeracy**Domain:** Foundation Numeracy Skills

Unit ID	Unit Standard Title	Level	Credits
891	Apply knowledge of basic mathematics in different context	3	6

**AND****FIELD:** Manufacturing, Engineering and Technology**Subfield:** Foundational Engineering Science and engineering drawing**Domain:** Foundation Engineering Science and Drawing skills

Unit ID	Unit Standard Title	Level	Credits
894	Apply knowledge of fundamental engineering science in different contexts	3	6
901	Apply fundamental knowledge of engineering drawing in different contexts	3	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**

4.1 Providers seeking registration and/or accreditation to deliver this qualification must meet the following special arrangements.

4.1.1 This qualification will be offered to trainees **either** including a period of 6 month of **industrial / job attachment**, or as an **apprenticeship scheme** of a maximum period of 12 month which includes 6 month of On–The–Job Training and 6 month of Institutional Training.

**Industrial/ Job Attachment** is defined as a period in a workplace setting where a trainee obtains structured practical experience in a specific occupation in order

to complement competencies acquired during training at a technical vocational training provider( TVTP).

**Apprenticeship** refers to the system of work integrated learning, where apprentice is employed by a company on contractual basis, earning a monthly salary, learning and working side by side with an experienced mentor. In this case the employer must be an NTA approved entity or company to register apprentices and has to identify a suitable training provider to provide the apprentice with the opportunity to gain skills and knowledge from theoretical training.

Employers and training providers are encourage to consult the **National policy on Work-Integrated Learning (WIL) for Technical and Vocational Education and Training (TVET)** for further details on WIL implementation.

- 4.1.2 Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment framework for the TVET system up to and including level 5 of the National Qualifications Framework. Assessment will include performance and achievement assessment acquired through work integrated learning periods.

Assessment arrangements apply to all occupations and industries which are encompassed in the technical vocational education and training sector.

- 4.1.3 Providers of this qualification and the associated unit standards must be registered and/or accredited.
- 4.1.4 Providers of this qualification and their associated unit standards must have access to all equipment and facilities detailed in the tools and equipment list of the relevant training program.

- 4.2 Competencies covered in this qualification may be assessed through Recognition of Prior Learning (RPL).

- 4.3 Further relevant information and documentation may be accessed through:

**Namibia Training Authority**  
 10 Rand Street  
 Khomasdal  
 Namibia  
 Telephone number: 061 207 8550  
 Facsimile number: 061 207 8551

## 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.