

Qualification Information:	Qualification Title	SAQA ID	NQF Level	Credits	
Curriculum Code:	Occupational Certificate: Automotive Motor Mechanics	97990	4	540	
Knowledge Component		Notional Hours	Implementation Schedule (4 Hourly)	Assessment Schedule	Training Venues
653101000-KM-01	Workplace fundamentals at NQF Level 2, 9 Credits.	90 Hours	23 Days	2 days	Main Campus
653101000-KM-02	Foundational concepts for mechanics at NQF Level 2, 14 Credits.	140 hours	35 days	2 days	Main Campus
653101000-KM-03	Vehicle and equipment fundamentals at NQF Level 2, 8 Credits.	80 hours	20 days	2 days	Main Campus
653101000-KM-04	Basic engine systems at NQF Level 2, 8 Credits.	80 hours	20 days	2 days	Main Campus
653101000-KM-05	Vehicle, equipment and propulsion systems at NQF Level 3, 13 Credits.	130 hours	33 days	2 days	Main Campus
653101000-KM-06	Electrical systems and basic electronic, hydraulic and pneumatic principles at NQF Level 3, 16 Credits.	160 hours	40 days	2 days	Main Campus
653101000-KM-07	Advanced vehicle and equipment systems at NQF Level 4, 30 Credits.	300 hours	75 days	2 days	Main Campus
653101000-KM-08	Problem solving and engine optimisation at NQF Level 4, 10 Credits.	100 hours	25 days	2 days	Main Campus
Practical Component			(6- Hourly Training sessions)		
653101000-PM-01	Work safely and respond to emergencies at NQF Level 2, 6 Credits.	60 hours	10 days	7 days	Motor Mechanics Workshop
653101000-PM-02	Use tools and equipment at NQF Level 2, 26 Credits.	260 hours	44 days	7 days	Motor Mechanics Workshop
653101000-PM-03	Cut and join metals at NQF Level 2, 5 Credits.	50 hours	9 days	7 days	Motor Mechanics Workshop
653101000-PM-04	Remove and install mechanical components (gaskets, seals, bearings and locking devices) at NQF Level 2, 6 Credits.	60 hours	10 days	7 days	Motor Mechanics Workshop
653101000-PM-05	Work with auto-electric and auto-electronic components at NQF Level 2, 2 Credits.	20 hours	4 days	7 days	Motor Mechanics Workshop
653101000-PM-06	Work with fluid power components at NQF Level 2, 2 Credits.	20 hours	4 days	7 days	Motor Mechanics Workshop
653101000-PM-07	Maintain and service vehicles and vehicle components at NQF Level 2, 6 Credits.	60 hours	10 days	7 days	Motor Mechanics Workshop
653101000-PM-08	Dismantle, assess and reassemble engines and engine sub-assemblies at NQF Level 3, 15 Credits	150 hours	25 days	7 days	Motor Mechanics Workshop
653101000-PM-09	Dismantle, assess and reassemble vehicle sub-assemblies at NQF Level 3, 8 Credits.	80 hours	14 days	7 days	Motor Mechanics Workshop
653101000-PM-10	Remove, test, repair and refit engines and vehicle components at NQF Level 3, 7 Credits.	70 hours	12 days	7 days	Motor Mechanics Workshop

653101000-PM-11	Diagnose and repair vehicle systems at NQF Level 4, 46 Credits.	460 hours	77 days	7 days	Motor Mechanics Workshop
653101000-PM-12	Diagnose and repair electrical systems at NQF Level 4, 14 Credits.	140 hours	24 days	7 days	Motor Mechanics Workshop
653101000-PM-13	Diagnose and repair electronically controlled vehicle systems at NQF Level 4, 19 Credits.	190 hours	32 days	7 days	Motor Mechanics Workshop
<b>Workplace Component</b>			<b>(8 Hourly Training Sessions)</b>		
653101000-WM-01	Routine scheduled services at NQF Level 2, 18 Credits	180 hours	23 days	7 days	Motor Mechanics Workshop
653101000-WM-02	Removal and replacement of engine sub-systems (including batteries), at NQF Level 3, 12 Credits	120 hours	15 days	7 days	Motor Mechanics Workshop
653101000-WM-03	Removal and replacement of vehicle sub-systems at NQF Level 3, 16 Credits	160 hours	20 days	7 days	Motor Mechanics Workshop
653101000-WM-04,	Engine removal and installation processes at NQF Level 3, 20 Credits.	200 hours	25 days	7 days	Motor Mechanics Workshop
653101000-WM-05	Repair processes (gearboxes, differentials and engines), at NQF Level 3, 28 Credits.	280 hours	35 days	7 days	Motor Mechanics Workshop
653101000-WM-06	Diagnosis and repair of electrical systems (charging, starting, lighting and auxiliary) at NQF Level 4, 36 Credits.	360 hours	45 days	7 days	Motor Mechanics Workshop
653101000-WM-07	Diagnosis and repair of engines and engine sub-systems at NQF Level 4, 36 Credits.	360 hours	45 days	7 days	Motor Mechanics Workshop
653101000-WM-08	Diagnosis and repair of brake systems, at NQF Level 4, 40 Credits.	400 hours	50 days	7 days	Motor Mechanics Workshop
653101000-WM-09	Diagnosis and repair of drive train systems at NQF Level 4, 28 Credits.	280 hours	35 days	7 days	Motor Mechanics Workshop
653101000-WM-10	Diagnosis and repair of steering and suspension systems at NQF Level 4, 36 Credits	360 hours	45 days	7 days	Motor Mechanics Workshop

### General Information

There continues to be a need for qualified artisans to support and grow the economy of South Africa. Although artisan occupations are primarily focused on hand skills and practical ability, they are supported by a substantial amount of general or vocational or fundamental knowledge learnt at a College.

A career in Engineering, such as Automotive Motor Mechanics, is very demanding. It will be expected from you to work long hours and also on week-ends and public holidays to meet the demand and targets as set by the employer. As reward the salaries of qualified artisans compare favourable to other careers. There is also the opportunity to start your own business.

### What is an Automotive Motor Mechanic?

Automotive Motor Mechanics repair or replace broken or damaged parts on a vehicle to ensure that a car is in good working condition. They also do servicing and maintenance inspections on cars.

## Entry Requirements

- Grade 9/10/11/12 Or NQF Level 1 qualification with mathematics (not mathematical literacy),

## Occupational Purpose

- An Automotive Motor Mechanic maintains, tests and repairs petrol and diesel light motor vehicles and the mechanical parts thereof including transmissions, suspension, steering and brakes.

## Output

- Qualified tradesman with a red seal or trade test after 3 years.
- The candidate will pass the new trade test that includes both theory assessment ( **Formative Assessments**), **Summative Assessments & Practical Assessments**

## Career

- Motor Mechanics / Petrol Mechanic / Automotive Technician

## Course Requirements:

- PPE – ( Purchase from College)
- Safety Boots
- Study Material
- Tool Box
- Log Book

## INTERNAL CONTINUOUS ASSESSMENT (ICASS)

Our internal Assessments are not limited to the following:

- Workplace tasks (e.g. case studies)
- Briefs • Practical Demonstrations
- Assignments/Tests
- Projects, etc.

Internal **QA** processes must be in place by the **SDP** to ensure these assessments are fit for purpose

## EXTERNAL ASSESSMENT

- External assessments are managed and conducted by Quality Partners – a national standard is set.
- Only learners that have enrolled and registered with the **QCTO** may sit for the **EISA**

- Submission of **SoR** to **QCTO** prior to **EISA**
- This is a competency based final assessment
- Approval of Results and Certification by the **QCTO**

## **FINAL ASSESSMENTS**

### **EISA**

The **External Integrated Summative Assessment** (EISA) is the final assessment managed and conducted by the Quality Partner/Assessment Quality Partner; it is used to assess all learners nationally. In the **EISA** the learner proves his/her competence against the Exit Level Outcomes of the Qualification. Learners qualify for entry into **EISA** via a **Statement of Results (SoR)** issued by the **SDP** or the institution used in the **RPL** route.

The **EISA** is conducted for a particular qualification or part qualification at accredited assessment or trade test centres.

**EISA** Benefits Industry/Employers – by ensuring that learners will be competent workers as they would have had to demonstrate competencies in in work related tasks or scenarios during the **EISA**.

### **CERTIFICATION**

SDPs are not allowed to print their own certificates for occupational qualifications. Certificates are issued by the QCTO's secure CVS certification system.

The QAS document specifies the timeline for the EISA assessment and moderation process, but this is usually about 21 days. From there, the QCTO aims to approve the results in 21 days, after which it should take the QCTO 21 days to issue the learner certificates.

### **Fees**

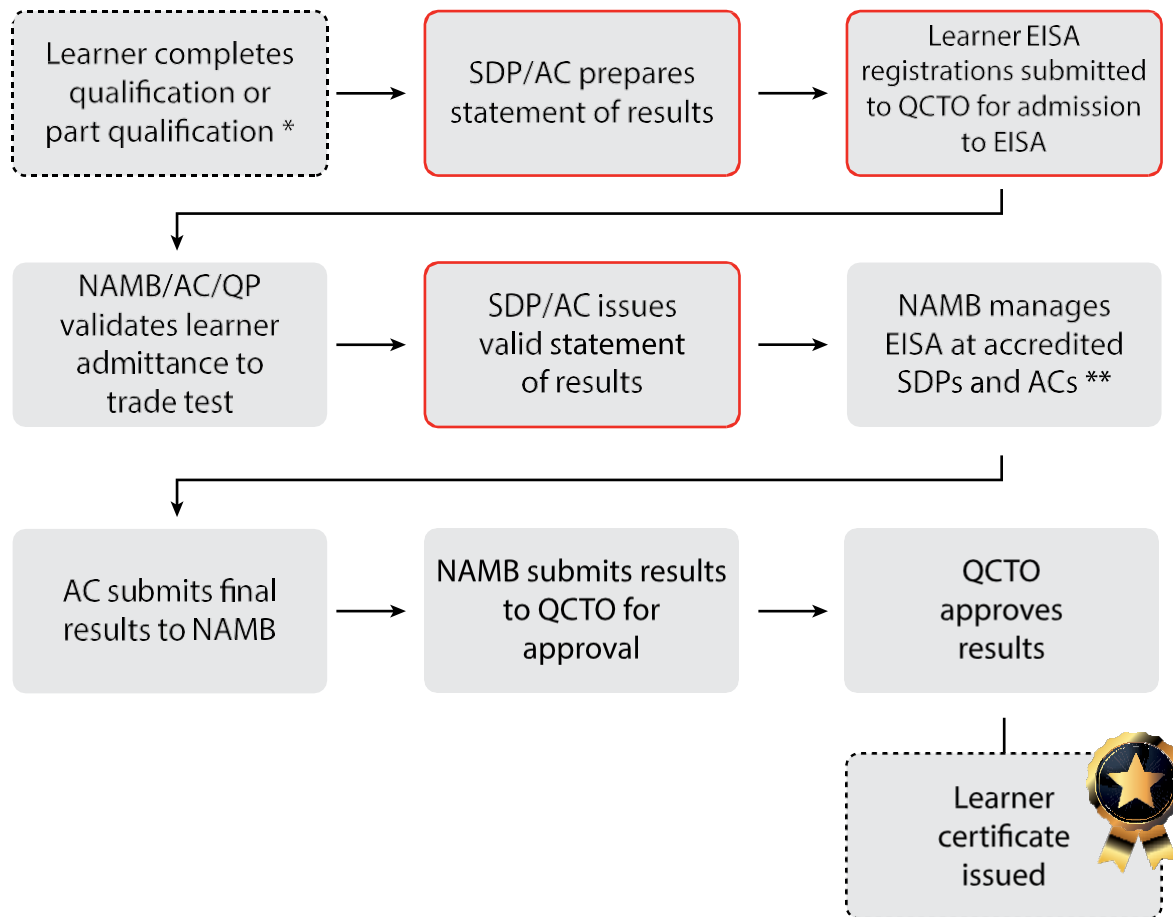
- Registration Fees: **R1000**
- Deposit: **R5000 ( Includes Student Card, Course Material/ Study Material / Assessments Fees)**
- Monthly Instalment: **R3000**
- Duration: **3 Years**



## External Integrated Summative Assessment Process



## Trades





\* Either via formal training with SDP or via ARPL with AC



\*\* Learners complete the written component of the EISA at the SDP. The SDP marks & moderates this final assessment and submits results to the AC where the learner will sit for the practical component (trade test). The learner needs to register at an accredited Assessment Centre.