**COURSE TITLE:** AUTOMOTIVE MECHANIC PHASE 1

**COURSE DURATION :** 13 Weeks

**TARGET POPULATION:** 1st year Apprentices

**COURSE CONTENT :** This course is designed to enable the trainee to get a

good basic grounding and expose him to the skills and

machinery that he must use in the trade.

* Induction to Shukela
* Workshop safety
* Select, use and care for engineering power tools.
* Identify engineering metals, their characteristics and applications, and common metal

tests and treatments used in engineering.

* Select, use and care for engineering measuring equipment.
* Select, use and care for engineering hand tools.
* Care and use of tools specific to the trade
* Basic hand skills
* Perform basic welding / joining of metals.
* Read, interpret and produce basic engineering drawings.
* Sling loads.
* Fit keys and locking devices
* Marking off
* Bearings and bushes
* Study the fundamentals of technology related to the trade.
* Perform lubrication services

**COURSE TITLE:** AUTOMOTIVE MECHANIC 2

**COURSE DURATION :** 10 WEEKS

**TARGET POPULATION:** 2nd Year Apprentices who have successfully completed

Phase 1 or individuals who have been recommended for

this course as a result of an assessment conducted

at this Centre.

**COURSE CONTENT :**

This course is predominantly machine tool orientated and exposes the trainee to the following:

* Perform electrical service. Remove, test and replace electrical components and wiring
* Remove, inspect and replace cooling systems
* Engine accessories
* Gaskets and seals
* Soft solder
* Servicing of equipment
* Remove test and replace fuel system components
* Perform engine tune up (Diesel)
* Perform engine tune up (Petrol)
* Remove service, repair and assemble engine block
* Remove service, repair and assemble cylinder block

**COURSE TITLE:** AUTOMOTIVE MECHANIC PHASE 3

**COURSE DURATION :** 10 WEEKS

**TARGET POPULATION:** 3rd or 4th year Apprentices who have successfully

completed the Phase 2 Apprentice Fitter course and

are eligible to attempt the National Trade Test.

Individuals who have been in this trade for more than

5 years and have successfully completed an assessment

conducted at this Centre.

**COURSE CONTENT :**

* Injectors
* Injector pumps
* Reinforcement of workshop best practices.
* Service and repair Air brakes
* Remove inspect and replace drive train components
* Dismantle service and assemble transmission systems
* Dismantle service and assemble exhaust systems
* Remove inspect and replace hydraulic brake components