**COURSE TITLE:** TURNING PHASE 1

**COURSE DURATION :** 12 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. Identify engineering metals, their

 characteristics and applications, and common metal tests and

 treatments used in engineering.

* Induction to Shukela
* Select, use and care for engineering measuring equipment.
* Select, use and care for engineering power tools.
* Select, use and care for engineering hand tools.
* Perform basic welding / joining of metals.
* Mark of basic engineering shapes.
* Read, interpret and produce basic engineering drawings.
* Maintain static seals in machines and / or equipment.
* Maintain indirect drives.
* Maintain pipe systems.
* Perform routine maintenance.
* Sling loads.
* Operate and monitor a drilling machine to produce simple components.
* Operate and monitor a milling machine to produce simple components.
* Operate and monitor a lathe to produce simple components.

**COURSE TITLE:** TURNER PHASE 2

**COURSE DURATION :** 11 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:**

* Develop learning strategies and techniques

* Produce components by performing engineering grinding operations

* Produce components by performing engineering milling operations

* Produce components by performing engineering turning operations

**COURSE TITLE:** TURNER PHASE 3

**COURSE DURATION :** 9 WEEKS

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

 Phase 2 Apprentice 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:**

* Produce complex components using lathes

* Produce complex components using milling machines

* Grind tools and cutters used in engineering machine operations
* CNC Machining.