



SHUKELA TRAINING CENTRE
31 Sugar Mill Way, Mount Edgecombe, 4300
P.O. Box 23, Mount Edgecombe, 4300
Telephone: +27 31 508 7700
Facsimile: +27 31 502 3520
Website: www.sasa.org.za

COURSE TITLE: PLATER/WELDER PHASE 1

COURSE DURATION : 10 WEEKS

TARGET POPULATION: 1st year Apprentice Plater / Welder with a suggested minimum educational level of Standard 8 with Mathematics and Science.

COURSE CONTENT :

- Induction to Shukela Training Centre
- Identify and interpret engineering drawings.
- Identify engineering materials and their treatment.
- Identify basic hand and measuring tools and their uses.
- Identify profiles, plates and prepare a material list.
- Identify workshop equipment and its uses.
- Apply basic hand skills.
- Identify arc and gas welding equipment.
- Apply fundamentals of arc welding.
- Apply fundamentals of gas welding and brazing.
- Apply fundamentals of gas cutting.
- Draw geometric constructions and apply marking off techniques.
- Lift and move equipment (Basic Rigging).



SHUKELA TRAINING CENTRE
31 Sugar Mill Way, Mount Edgecombe, 4300
P.O. Box 23, Mount Edgecombe, 4300
Telephone: +27 31 508 7700
Facsimile: +27 31 502 3520
Website: www.sasa.org.za

COURSE TITLE: PLATER/WELDER PHASE 2

COURSE DURATION : 9 WEEKS

TARGET POPULATION: 2nd year Apprentice Plater / Welders who have successfully completed the Phase 1 Apprentice course or have been recommended for this course as a result of the Assessment Test conducted at this Centre.

COURSE CONTENT :

- Apply construction techniques to cones.
- Apply construction techniques to components.
- Apply construction techniques to pipes.
- Weld metal using arc welding equipment.
- Weld metal using gas welding equipment.
- Weld metal using MIG equipment.
- Weld metal using TIG equipment.
- Apply special welding processes.
- Apply special cutting processes.



SHUKELA TRAINING CENTRE
31 Sugar Mill Way, Mount Edgecombe, 4300
P.O. Box 23, Mount Edgecombe, 4300
Telephone: +27 31 508 7700
Facsimile: +27 31 502 3520
Website: www.sasa.org.za

COURSE TITLE: PLATER/WELDER PHASE 3

COURSE DURATION : 9 WEEKS

TARGET POPULATION: Apprentices who have :

3rd or 4th year Apprentices who have successfully completed the Phase 2 Apprentice Plater/Welder 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 attempted an Assessment Test conducted at this Centre.

COURSE CONTENT :

- Development and fabrication using radial line method.
- Development and fabrication using parallel line method.
- Development and fabrication using triangulation
- Development and fabrication using cutting planes.
- Structural steel work
- Arc welding (positional)
- Gas welding
- Bronze welding
- Aluminium welding (Tig)