

## Bricklayer Apprenticeship

### Purpose

The purpose of this qualification is to train the learner to operate and qualify as a Bricklaying artisan. The bricklayer will Lay bricks, natural and pre-cut stone and other types of building blocks in mortar and other bonding agents to construct, repair and/or make alterations to walls, piers, arches and other structures

### Recommended Entry Criteria

- Minimum age of 16 years
- Grade 9 –
  - English,
  - Second language
  - Maths
  - Science and 2 other subjects OR a four subject National Technical Certificate N1

### Course Overview

The learners will attend institutionalised training at our centres which are situated in Cape Town, Kya Sands and Gqeberha (Port Elizabeth). The course is broken up into three sessions of 8 weeks per year over a period of three years.

In year 1 they will focus on Hand skills and tools, the introduction to Building Industry, Mixes and mixing Mortar, laying and building half and one brick walls and corners in stretcher bond, and building foundation brickwork etc.

In year 2 they focus on English bond method of building which includes single brick corner, half brick corner and right angle bricks walls with half T-junction and stopped ends, building in a bath, window and door frames, arches and manholes etc.

Then in year 3 they will focus on building steps, isolated brick piers, laying of pavers, all building related to concrete block work and building in wooden door frames and metal windows frames.etc

## Modules

- Orientation
- Introduction to the building industry
- Safety and loss control
- Elementary first aid
- Interpret basic building drawings
- Determine and transfer of levels
- Mixes and mixing mortar
- Prepare and lay in-situ concrete pavement
- Setting out of a building
- Erect and dismantle of scaffolding
- Lay half plaster brick wall in stretcher bond between columns or profiles
- Lay one plaster brick wall in stretcher bond between columns or profiles
- Lay one face brick wall in English bond between columns or profiles
- Lay one face brick wall in English garden wall bond between columns or profiles
- Build a right angle return half brick wall between columns / profiles
- Build a half brick corner in stretcher bond
- Build a one brick corner in stretcher bond
- Build a one brick double return corner in stretcher bond
- Build a one brick corner in English bond
- Build a one and a half brick corner in English bond
- Build foundation brickwork
- Build right angle one brick wall with half brick T-junction and stopped ends
- Build in a bath
- Build a one brick wall with steel door frame, steel window frame and sill
- Build a cavity wall with wooden door frame and steel window frame
- Build a flat arch
- Build a semi-circular arch
- Build a segmental arch
- Build a manhole with corbelling
- Build decorative brickwork - brick-on-edge (roller course), brick-on-end (soldier course)
- Build brick steps
- Build a one brick wall with an end and attached pier
- Build isolated brick piers
- Prepare and lay pavers
- Build a concrete block wall between profiles
- Build a concrete masonry block wall with right angle return between profiles
- Build a corner in block work
- Build a block wall with wooden door frame and steel window frame

- Build a cavity concrete block wall with wooden window frame, pre-cast lintel and tile sill.

