

Civil Construction Learnerships

NQF3 Civil Construction

SAQA ID
65409

PURPOSE

The purpose of the learnership is to develop technical skills required for one of the selected construction sector disciplines as either a painter, tiler, plasterer, mason, joiner, carpenter, or roofer.

Core unit standards

- Verify compliance to safety, health and environmental requirements in the workplace
- Describe the composition, roleplayers and the role of the construction industry in the South African economy
- Develop construction work plans
- Erect, use and dismantle access equipment for construction work
- Identify, use and maintain tools, machines, equipment and materials for building and civil construction activities
- Procure building and civil construction materials, tools and equipment
- Provide primary emergency care/first aid as an advanced first responder
- Read and interpret construction drawings and specifications

Elective unit standards

- Apply screeds to a concrete floor
- Administer payments and expenses
- Apply basic business concepts
- Apply paint by spray
- Apply screeds to a concrete floor
- Apply wallpaper
- Build decorative masonry elements
- Build masonry superstructures using concrete hollow units
- Build masonry superstructures using solid units
- Clad roof structures
- Erect roof trusses
- Fabricate, erect and strip formwork for straight walls, columns and bases
- Fabricate, erect and strip steel and timber formwork for T-walls, decks and beams and single flight staircases
- Finish products manufactured from wood and wood composites
- Install finishing components
- Install gunitite materials for refractory linings
- Interpret and apply building standards relevant to ceilings and partitioning
- Interpret current affairs related to a specific business sector
- Manufacture and fit door and window frames
- Manufacture and install cupboards, counters, staircases and mouldings from wood and wood composites
- Manufacture and install partitioning and wall panelling from wood
- Manufacture timber roof trusses
- Manufacture wooden components
- Pave surfaces using flexible segmental paving
- Pave surfaces using rigid segmental clay paving
- Plaster surfaces
- Plaster walls and screed a floor and steps
- Prepare a site for ceiling and partition installation
- Prepare and install imprint concrete pavement
- Prepare and lay precast block paving
- Prepare cutting lists, set-out and mark off for machining purpose
- Prepare for plastering
- Prepare surfaces and apply tiles
- Prepare surfaces for painting
- Prime and apply paint to surfaces
- Set out, excavate, cast concrete strip foundations and build foundation walling
- Tender for business or work in a selected new venture
- Apply industrial protective coatings
- Apply special surface coatings
- Apply specialist plastering and screeding to surface
- Apply specialist tiling to surfaces

- Conduct follow-up with customers to evaluate satisfaction levels
- Describe features, advantages and benefits of a range of products or services
- Fabricate, erect strip steel & timber formwork curved, sloped E-walls curved bases with kicker, incorporating waterbar
- Identify and use marketing resources to meet objectives
- Identify potential and existing customers of the business
- Implement activity plans to meet agreed deadlines
- Liaise with a range of customers of a business
- Prioritise time and work for self and team
- Take orders from customers to fulfil a need for goods and/or service

Fundamental unit standards

- Accommodate audience and context needs in oral/signed communication
- Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations
- Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts
- Interpret and use information from texts
- Investigate life and work related problems using data and probabilities
- Use language and communication in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal, business and national issues
- Write/present/sign texts for a range of communicative contexts