

Civil Construction Learnerships

NQF2

Construction: Plant Operations (Roads & Earthworks)

SAQA ID

48940

PURPOSE

The purpose of this learnership is to develop the skills required to operate construction plant.

The focus of this programme is to enable learners to develop competence in a range of knowledge and skills to operate at least one piece of construction plant efficiently within the legislative health and safety requirements of driven machine regulations, OSH act, and manufacturer requirements.

Core unit standards

- Apply basic fire fighting techniques
- Demonstrate an understanding of sexuality and sexually transmitted infections
- Apply health and safety to a work area
- Apply productivity principles on a construction site
- Apply quality principles on a construction site
- Demonstrate an understanding and implement environmental initiatives on a construction site
- Demonstrate fundamental knowledge of earthworks
- Demonstrate knowledge of and apply regulatory requirements pertaining to plant
- Demonstrate knowledge of civil construction works
- Demonstrate mechanical awareness and plant appreciation
- Describe the construction industry composition its work procurement systems
- Establish and prepare a work area
- Handle, transport, store and utilize hazardous materials on a civil construction site
- Maintain records on a construction site
- Plan, organise and manage oneself in the organisation
- Render basic first aid
- Adhere to disciplinary code
- Follow grievance procedure
- Foster and maintain customer relations

Elective unit standards

- Operate a dragline
- Operate a grader
- Operate a hot mix asphalt paving machine
- Operate a milling machine
- Operate a paving screed
- Operate a rigid body dump truck
- Operate a roller
- Operate a scraper
- Operate a sideboom
- Operate a Skid Steer Loader
- Operate a tip truck
- Operate a tracked dozer
- Operate a tractor
- Operate articulated dump truck
- Operate backhoe/loader
- Operate bitumen spray bitumen spray equipment
- Operate continuous bucket trencher
- Operate excavator
- Operate face shovel
- Operate front end loader
- Operate service truck
- Operate water cart
- Operate wheeled dozer

Fundamental unit standards

- Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems
- Demonstrate understanding of rational and irrational numbers and number systems
- Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts
- Maintain and adapt oral communication
- Use language and communication in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal and community life
- Work with a range of patterns and functions and solve problems
- Write for a defined context