

Civil Construction Learnerships

NQF4 Supervision of Construction Processes (Civils Foreman)

SAQA ID
49053

PURPOSE

Roads & Earthworks Stream

The purpose of this learnership is to develop essential leadership skills required for a competent roads & earthworks foreman.

The focus of this programme is to enable learners to develop competence in the supervision and motivation of roads & earthworks construction work teams, apply information from contract documentation, drawings and specifications.

To set out construction site tasks and supervise the execution of roads & earthworks construction projects in terms of effective planning, organizing, controlling and utilization of resources to industry productivity, quality, environment and health and safety standards.

Core unit standards

- Comply with legal requirements for a construction contract
- Calculate construction quantities and develop a work plan
- Demonstrate an understanding and implement environmental initiatives on a
- Describe and interpret the composition, role-players, processes and role of the
- Implement a quality management system, project quality plan and a quality
- Lead and supervise construction teams
- Monitor and control cost and production of construction work activities and
- Perform site administration functions
- Read, interpret and use construction drawings and specifications
- Supervise health and safety on a construction project
- Supervise the procurement, use and storage of construction materials
- Apply contract documentation

Elective unit standards all streams

- Set out construction work areas
- Identify describe and use materials in civil engineering construction

Elective unit standards Roads stream

- Organize and control the utilization of plant and equipment in civil engineering construction
- Oversee concrete production
- Plan, organise and control the construction of stabilized and unstabilized pavement
- Plan, organise and control the installation of pressure and gravity drainage pipes
- Organize and control the construction of bulk earthworks

Fundamental unit standards

- Demonstrate knowledge of and produce computer spreadsheets using basic
- Demonstrate knowledge of and produce word processing documents using basic
- Accommodate audience and context needs in oral communication
- Interpret and use information from texts
- Use language and communication in occupational learning programmes
- Write texts for a range of communicative contexts
- Apply knowledge of statistics and probability to critically interrogate and effectively
- Engage in sustained oral communication and evaluate spoken texts
- Measure, estimate & calculate physical quantities & explore, critique & prove
- Read analyse and respond to a variety of texts
- Use language and communication in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal,
- Write for a wide range of contexts