

Qualification Details

National Certificate: Mineral Processing Level 2

SAQA ID: 59305

NQF Level: 2

Minimum Credits: 129

***WHO* will benefit from this Qualification?**

- Plant Operators in Diamond, Coal, Iron Ore, Platinum, Gold, Mineral Sands, Base Metals and Uranium Industry
- Community learners living within a mining industry area
- New plant Operators
- Operators with experience in all sections of the plant

Recognition of Prior Learning

For those who have been in the workplace for a long time, this Qualification can be used in the recognition of prior learning process to assess and recognise workplace knowledge and skills acquired without the benefit of formal education and training.

New entrants

For the new entrant, this Qualification describes the learning outcomes required to become competent in the operation of a mineral processing plant through a structured learning programme.

***WHY* complete the qualification?**

The profit margin in mining operations is low because of low commodity prices and the strong rand. It is therefore necessary to maximise production and recovery and minimise operational costs to enable a profitable operation. This qualification will ensure that the operating personnel will have the competencies to achieve this.

Learners entering this qualification will be unqualified workstation attendants working under close supervision in Mineral Processing Plants. By obtaining this qualification these learners will be able to work without close supervision at one of several workstations. It will also enable learners to operate plant sections that are all intricate parts of the mineral processing flow line. Exceptional performers could be identified for further development to operator and supervisory levels. Learners could also enter the qualification from similar operations like other metallurgical plants or directly from school.

***WHAT* are the outcomes of the qualification?**

People credited with this qualification are able to:

- Communicate and solve problems effectively in the workplace and a variety of other contexts.
- Demonstrate knowledge of occupational health and safety in the workplace.
- Conduct basic materials handling and transport operations.
- Conduct basic process control operations.
- Perform minor maintenance on mechanical equipment.

- Separate materials by means of filtration, screening or cycloning.

WHERE can you complete the qualification?

- Learners can complete this qualification on the site where they work and within the workplace.
- Theory and knowledge is classroom based and can be done on your mine or a mine in the community.
- Practical learning is done at your place of work during your working hours
- On-the-job assessments are done while you are operating a plant through simulations and demonstrations

WHEN should you complete this qualification?

- For new entrants the qualification will take between 12 to 18 months
- Operators who already have experience in the workplace will be able to complete the programme within 6 months