

## Heavy Plant Operator

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### Programme description

Heavy Plant Operator programme aims to introduce trainees to safely operate heavy construction equipment in road construction and mining environment.

Trainees are expected to master and demonstrate knowledge and skills pertaining to the following:

- Maintain records in road construction and maintenance site operations
- Carry out measurements and calculations for road construction and maintenance
- Road construction health, safety and environmental rules and regulations
- Master knowledge of soils used in road construction and maintenance operations
- Demonstrate knowledge of plant used in road construction and maintenance
- Request materials, tools and equipment in road construction and maintenance operations
- Establish customer relations in the community pertaining road construction maintenance operations
- Form and lead project teams to achieve the required project outcome in road construction and maintenance operations
- Basic fire fighting
- Read and interpret working drawings and specifications as part of road construction
- Operate a Tipper truck
- Operate a Dozer
- Operate a Grader
- Operate an Excavator
- Operate a Front End Loader
- Operate a Backhoe Tractor

### Course Duration

Level 3 (2 years)

### Course Contents

- Road Construction and Maintenance – Core
- Earthmoving Machine Operations
- First Aid
- HIV & AIDS

### Educational Requirements

Grade 10 or Grade 12 certificate  
Code C and above driving license

### Qualification Award

National Vocational Certificate: (Road Construction and Maintenance) Heavy Plant Operations

### Career Opportunities

- Road construction



- Mining