

Mining Skills Training



BRIGHTIDEAS
A BRILLIANT BEGINNING FOR A SHINING FUTURE

PROSPECTUS



MQA – 16/MQA/08886/AC4/0309191

BBBEE LEVEL 1



COURSES OFFERED

OPENCAST MINING EQUIPMENT SHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|--|-------------------------------|
| 257032 | Load material using a face shovel | Face shovel |
| 256996 | Relocate material using a dragline | Dragline |
| 257026 | Drill blast holes in a surface mining operation | Drill rig |
| 257076 | Excavate and load material using hydraulic excavator | Hydraulic Excavator |
| 257115 | Grade material using a motor grader | Grader |
| 257028 | Operate tractor loader backhoe | Tractor loaded Backhoe |
| 262745 | Operate an articulated dump truck | Articulated Dump truck |
| 257018 | Relocate machines and equipment using a lowbed | Lowbed |
| 257060 | Suppress dust using a water bowser | Water bowser |
| 257015 | Transport and distribute explosives by means of a light duty explosives vehicle | Light duty explosive vehicle |
| 257017 | Transport and distribute explosives using a heavy-duty explosives vehicle | Heavy duty explosive vehicle |
| 257135 | Transport and distribute fuel using a fuel bowser | Fuel bowser |
| 257020 | Transport material and equipment using a flat back truck | Flatback truck |
| 257025 | Transport personnel; material and equipment using Light Delivery Vehicle | Light delivery vehicle |
| 257038 | Use a track dozer to move material | Tracked dozer |
| 257019 | Load; transport and place explosives components into blast holes using a mixer- placer truck | Mixer-placer truck |
| 256995 | Move trailing cable using cable reeler | Cable reeler |
| 257035 | Load, haul, and dump material using a scraper | Scraper |
| 250734 | Load and offload material using a skid steer loader | Skid steer loader |
| 257031 | Load; Haul and Dump material using a front-end loader | Front end loader |
| 257077 | Illuminate an area using a lighting plant | Lighting plant |
| 256998 | Deliver compressed air using a mobile electrical compressor | Mobile electric compressor |
| 257021 | Doze material using a rubber wheel dozer | Rubber wheel dozer |
| 257024 | Haul and dump material using a haul truck | Haul truck |
| 256997 | Break rock using a hydraulic rock breaker | Hydraulic rock breaker/Pecker |
| 116210 | Operate a skid steer loader | Skid steer loader |
| 244360 | Remove broken rock by means of a scraper winch in an underground workplace | Scraper winch |
| 230018 | Operate a mixer-placer explosives truck | Mixer-placer explosives truck |
| 244365 | Lift and move material and equipment by means of a forklift | Forklift |



OPENCAST MINING EQUIPMENT SKILLS

| Programme code | Programme Description | Course name |
|----------------|--|---------------------------|
| MQA/SP/0148/13 | Operating Mobile Equipment for Surface Excavation Operations | Mobile equipment operator |

CONSTRUCTION MACHINERY SHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|---|-------------------------------|
| 262727 | Operate a backhoe/loader | Tractor loaded backhoe |
| 262732 | Operate a continuous bucket trencher | Continuous bucket trencher |
| 262746 | Operate a face shovel | Face shovel |
| 262747 | Operate a front-end loader | Front end loader |
| 262735 | Operate a grader | Grader |
| 262731 | Operate a rigid body dump truck | Rigid body dump truck |
| 262805 | Operate a roller | Roller |
| 262710 | Operate a scraper | Scraper |
| 262712 | Operate a skid steer loader | Skid steer loader |
| 262734 | Operate a tip truck | Tip Truck |
| 262729 | Operate a tracked dozer | Tracked dozer |
| 262804 | Operate a tractor | Tractor |
| 262764 | Operate a water cart | Water cart |
| 262713 | Operate a wheeled dozer | Wheeled dozer |
| 262745 | Operate an articulated dump truck | Articulated dump truck |
| 262744 | Operate an excavator | Excavator |
| 12875 | Use and maintain small plant and equipment on a construction site | Crusher/screen/ conveyor belt |
| 14565 | Use a concrete dumper to haul and dump material | Concrete dumper |

LIFTING EQUIPMENT SHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|--|--------------------------------------|
| 242974 | Operate counter-balanced lift truck | Forklift F1 - F4 |
| 116235 | Operate a pendant controlled overhead crane | Pendant/radio-controlled crane C30 |
| 260781 | Operate a telescopic boom handler | Telescopic handler C46 |
| 243272 | Operate a Mobile Elevating Work Platform (MEWP) | Cherry picker/MEWP C53 |
| 260762 | Operate rough terrain/earthmoving/agricultural equipment | Rough terrain forklift F11 |
| 242978 | Operate truck-mounted cranes | Truck mounted crane C32 |
| 116254 | Operate a mobile crane | Mobile crane C33, C34, C37, C38, C43 |
| 242982 | Operate heavy crane | Mobile crane C35, C36, C39, C40 |
| 242972 | Operate advanced defined purpose lift trucks | Reach truck F5 |
| 242981 | Operate defined purpose lift trucks | Side Shift F12 |
| 242981 | Operate defined purpose lift trucks | Pedestrian Stacker F6 - F7 |
| 116231 | Operate a cab controlled overhead crane | Cab controlled crane C31 |
| 244407 | Lift and move a load using mechanical lifting equipment | Hoist and winches C54 |

WORKING, RESCUE AND PLANNING AT HEIGHTS

| Unit Standard | Unit standard Description | Course name |
|---------------|--|--------------------------------|
| 229998 | Explain and perform fall arrest techniques when working at height | Working at heights |
| 229995 | Install, use, and perform basic rescue from fall arrest systems and implement the fall protection plan | Rescue at heights/ Fall arrest |
| 229994 | Assess a worksite for work at height and prepare a fall protection plan | Fall protection planner |



MINING SAFETY AND EXPLOSIVES SKILLS PROGRAMMES

| Programme code | Programme Description | Course name |
|----------------|---|-----------------------------|
| SP/CLA-G015 | Competent Person A – The Examination; Making Safe and Declaring Safe of Surface Mines; Quarries; Dumps and Stockpiles | Comp A |
| SP/CLA-G016 | Competent Person B: The Installation; Maintenance and Removal of Support Units in Surface Mines and Quarries | Comp B |
| MQA/SP/0120/10 | Occupational Health and Safety Activities for: Part Time/Workplace Representatives and Shop Stewards in the Mining and Minerals | SHE rep |
| SP/CLA-G017 | Blasting Assistant in Surface Mines and Quarries | Blasting Assistant |
| SP/CLA-G018 | The Control of Explosives Magazines on Surface Mines and Quarries | Magazine Master |
| MQA/SP/0124/10 | The Handling of Explosives in Mines | Safe handling of explosives |

HEALTH AND SAFETY SHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|---|---|
| 8016 | Maintaining occupational health, safety, and general housekeeping | SHE rep (construction) |
| 9966 | Establish and prepare a work area | Work area preparation |
| 12484 | Perform basic fire fighting | Fire fighting |
| 15034 | Work in confined spaces on construction sites | Confined Space |
| 119567 | Perform basic life support and first aid procedures | First aid level 1 |
| 120496 | Provide risk-based primary emergency care/first aid in the workplace | First aid level 2 |
| 242668 | Demonstrate knowledge and application of the Occupational Health and Safety Act, 85 of 1993 (OHS Act) (as amended) and the responsibilities of management in terms of the Act | OHS act/ Construction regulations |
| 246667 | Demonstrate an understanding of Occupational Health, Safety and Environmental Legislations | Legal liability |
| 262687 | Apply regulatory requirements in plant operations | Regulatory requirements in plant production |
| 123259 | Convey dangerous goods by road | Convey dangerous goods/HAZCHEM |
| 114219 | Demonstrate an understanding and implement environmental initiatives on a construction activity | Environmental initiatives |
| 12512 | Practice environmental awareness | Environmental awareness |
| 113852 | Apply occupational health, safety, and environmental principles | Environmental Principles |
| 14336 | Maintain records on a construction site | Record keeping |
| 13973 | Identify and use protective clothing and equipment in general construction | PPE |
| 12463 | Understand and deal with HIV/AIDS | HIV/AIDS |

SMALL PLANT AND EQUIPMENT ZSHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|---|--|
| 10255 | Select, use, and care for power tools | Power tools safety |
| 12877 | Use and maintain Hand tools on a Construction Site | Hand tools |
| 12878 | Use and maintain Power Hand Tools on a construction Site | Hand power tools/Jackhammer |
| 14567 | Use a small self-propelled compactor to compact material | Compactors (ride on and vibrating) |
| 119076 | Use and maintain small plant and equipment on a construction site | Concrete mixers, Vibrators Plate compactors, Pedestrian rollers, wate and sludge pumps |



SCAFFOLDING ERECTORS AND INSPECTORS SHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|---|-------------------------------------|
| 263247 | Assist to erect, use, and dismantle access scaffolding | Scaffolding erector assistant |
| 263245 | Erect, use and dismantle access scaffolding | Scaffolding erector |
| 263224 | Supervise the erection and dismantling of access scaffolding | Scaffolding Supervisor |
| 263205 | Inspect access scaffolding | Scaffolding inspector |
| 243275 | Erect and dismantle prefabricated aluminium alloy scaffolding | Aluminium alloy scaffolding erector |

BASIC RIGGING AND SLINGING SHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|---|------------------------------------|
| 12481 | Sling loads | Basic rigging and slinging level 1 |
| 244407 | Lift and move a load using mechanical lifting equipment | Basic rigging and slinging level 2 |

CONSTRUCTION SHORT COURSES

| Unit Standard | Unit standard Description | Course name |
|---------------|--|--------------------------------|
| 9978 | Describe the construction industry composition its work procurement systems and communication techniques | Work procurement systems |
| 9986 | Apply quality principles on a construction site | Quality principles |
| 9988 | Apply surveying techniques on a construction contract | Surveying |
| 14054 | Read and interpret construction drawings and specifications | Construction drawings |
| 14445 | Frame and implement an individual action plan to improve productivity within an organisational unit | Productivity implementation |
| 14556 | Apply productivity principles on a construction site | Productivity principles |
| 14633 | Adhere to disciplinary code | Disciplinary code |
| 123258 | Foster and maintain customer relations | Customer relations |
| 252259 | Plan, organise and manage own activities in the organisation | Time and activities management |
| 262685 | Demonstrate an understanding of earthworks | Understanding earthworks |
| 262724 | Demonstrate knowledge of civil construction works | Civil Construction awareness |
| 262726 | Demonstrate a basic understanding of the mechanics of plant | Basic mechanics of plant |

FULL QUALIFICATIONS

| Unit Standard | Unit standard Description |
|---------------|---|
| 62869 | National Certificate: Rock breaking Surface Excavations |
| 65789 | National Certificate: Construction Plant Operations |



Contact The Bright Ideas Team To Discuss:

- Learnerships
- Customised Training Courses
- Work Place Skill Audit
- Setting Up Campus
- Disability Learnerships
- Grants & Funding

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