



**MQA SURFACE SKILLS PROGRAM – MQA/SP/0177/19**

<b>SAQA US ID</b>	257032			<b>SPECIALISATION ELECTIVE</b>	
<b>Unit Standard Title</b>	Load material using a face shovel				
<b>NQF Level</b>	03	<b>SGB</b>	Mining and Minerals		
<b>Credits</b>	26	<b>Notional Hours</b>		260	
<b>Duration</b>	<b>Candidate</b>	<b>Knowledge</b>	<b>Practical</b>	<b>Workplace</b>	
	<b>Novice</b>	3 days	6 days	20 days/ 160 hrs	
	<b>RPL (Re-fresher)</b>	1-2 days	1-3 days	N/A	
	<b>Re-certification</b>	½ day	½ day	N/A	
<b>Ratio of candidates to assessor</b>	4:1		4:1	1:1	

**NOTE: MQA SKILLS PROGRAM RULES BEFORE A SOR (Statement of Results) CAN BE ISSUED:**

- All Cores need to be completed
- At least 1 Specialisation Elective
- At least 1 General Elective Unit Standard
- Additional 1 Day is required to conduct the Summative Practical Assessment after Workplace exposure (logbook).

<p align="center"><b><u>PURPOSE OF THE COURSE</u></b></p> <p>This unit standard will be useful to people who are responsible for loading material using a face shovel</p>	<p align="center"><b><u>PRE-REQUISITES</u></b></p> <ul style="list-style-type: none"> <li>• Communication at NQF Level 2.</li> <li>• Mathematical Literacy NQF Level 2.</li> <li>• Certified copy of ID</li> <li>• Copy of learners Medical Certificate</li> </ul>
<p align="center"><b><u>SPECIFIC OUTCOMES OF THE COURSE</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate an understanding regarding loading material using a face shovel.</li> <li>• Prepare to load material.</li> <li>• Load material.</li> <li>• Complete the duties pertaining to the loading operation</li> </ul>	<ul style="list-style-type: none"> <li>• Lock out procedure.</li> </ul> <p><b>Basic principles of face shovel:</b></p> <ul style="list-style-type: none"> <li>• Monitoring of instruments, gauges and safety systems.</li> <li>• Manipulation of controls.</li> </ul> <p><b>Processes and events:</b></p> <ul style="list-style-type: none"> <li>• Workplace examination.</li> <li>• Pre-use inspection of face shovel.</li> <li>• Preparation.</li> <li>• Take charge and operate paying attention to the manipulation of the controls, roadway conditions, pedestrians and prevention of injuries and property damage.</li> </ul> <p><b>Occupational safety, health and environment:</b></p> <ul style="list-style-type: none"> <li>• Hazards and risks encountered.</li> <li>• Safety systems and health protection.</li> <li>• Personal protective equipment.</li> <li>• Environmental protection and pollution controls.</li> <li>• Emergency procedures</li> </ul> <p><b>Applicable statutory requirements:</b></p> <ul style="list-style-type: none"> <li>• Applicable Acts and Regulations.</li> <li>• Codes of Practice.</li> <li>• Operator competency requirements.</li> </ul> <p><b>Communication requirements:</b></p> <ul style="list-style-type: none"> <li>• Reporting.</li> <li>• Liaison with associated operators.</li> <li>• Interpreting and implementing instructions</li> </ul>
<p align="center"><b><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></b></p> <p>The following embedded knowledge is addressed in an integrated way in the unit standard:</p> <p><b>Risks associated with workplace hazards:</b></p> <ul style="list-style-type: none"> <li>• Overhang.</li> <li>• Large rocks.</li> <li>• Bench edges.</li> <li>• Environmental conditions e.g. dust, excessive water, visibility.</li> <li>• Power lines.</li> <li>• Moving machinery.</li> </ul> <p><b>Risks associated with work related hazards:</b></p> <ul style="list-style-type: none"> <li>• Working in proximity of moving machinery.</li> <li>• Pedestrians and other workers.</li> <li>• Working in proximity of cables.</li> <li>• Hydraulic pressure.</li> <li>• Roadway conditions</li> <li>• Access control.</li> <li>• Manipulation of controls.</li> </ul>	



**RPL Evidence Requirements Prior to Enrolment**

- Mine Induction Records
- Medical Certificate
- Curriculum Vitae
- Testimonial

**Logbook supporting evidence requirements:**

**\* compulsory and \*\* additional supporting evidence.**

- Completed and signed Checklists \*
- Completed and signed Risk Assessment \*
- Clocking records and equipment tag records. \*\*