

## National Certificate: Metals Production NQF level 2

**Introduction:** This Qualification is for any individual who is, or wishes to be, involved in a metals production environment. The Qualification contains all the skills, knowledge, values and attitudes required by a learner who needs mainly to be able to perform a range of activities within a specific metals production environment to support a particular process like extracting, melting, refining, casting, rolling, shearing, forging and other metallurgical processes. An individual acquiring this Qualification will be able to contribute towards the smooth and efficient operation of the production processes in the metals production sector. For those who have been in the workplace for a long time, this qualification represents part of the RPL process to acknowledge workplace skills acquired without the benefit of formal education or training

**SAQA Qualification ID number – 65189, 120 Credits**

<b>Target group:</b> All relevant production employees, or, as required per production needs, without previous certification	<b>Certification:</b> The qualification is composed of Fundamental, Core and Elective learning components:	<b>Duration:</b> 8 Months
<b>Entry Level Requirements:</b> <ul style="list-style-type: none"> <li>▪ Minimum Literacy and Numeracy ABET 4 or NQF 1 or RPL, Grade 9</li> </ul>	<ul style="list-style-type: none"> <li>▪ Fundamental: 36 credits (compulsory)</li> <li>▪ Core: 47 credits (compulsory)</li> <li>▪ Elective: A minimum of 37 elective credits is required for this qualification.</li> </ul> <p><b>If competent a competence certificate will be issued by merSETA</b></p>	

### QUALIFICATION OUTLINE

	Unit standard ID	UNIT STANDARD TITLE	Credits	Duration:
Core	<u>116520</u>	Apply safety, health and environmental principles and procedures in a workplace	2	8 Months
Core	<u>116533</u>	Demonstrate basic knowledge and understanding of emergency preparedness and response , the modules covered are: <ul style="list-style-type: none"> <li>▪ Risk Assessment</li> <li>▪ Emergency procedure</li> <li>▪ Evacuation Procedure</li> <li>▪ Oxygen Self Rescue Unit</li> </ul>	2	
Core	<u>12466</u>	Explain the individual's role within business	4	
Core	<u>10252</u>	Identify, inspect, use, maintain and care for engineering hand tools	6	
Core	<u>259721</u>	Plan support activities in a metal production process <ul style="list-style-type: none"> <li>▪ Prepare Tap floor</li> <li>▪ Opening the taphole (Drill)</li> <li>▪ Tapping the Furnace by means of lancing</li> <li>▪ Tap to recover molten product</li> <li>▪ Closing the taphole (Mud gun)</li> <li>▪ Maintain the tap hole</li> <li>▪ Components &amp; Functional description</li> </ul>	20	
Core	<u>259720</u>	<ul style="list-style-type: none"> <li>▪ Perform activities to support a metal production process.</li> <li>▪ Practical assessment on the above mentioned modules</li> </ul>	10	
Core	<u>9322</u>	Work in a team	3	

Fundamental	<u>9009</u>	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	5	
Fundamental	<u>7480</u>	Demonstrate understanding of rational and irrational numbers and number systems	3	
Fundamental	<u>9008</u>	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	3	
Fundamental	<u>119454</u>	Maintain and adapt oral/signed communication	3	
Fundamental	<u>119460</u>	Use language and communication in occupational learning programmes	5	
Fundamental	<u>7469</u>	Use mathematics to investigate and monitor the financial aspects of personal and community life	5	
Fundamental	<u>9007</u>	Work with a range of patterns and functions and solve problems	2	
Fundamental	<u>119456</u>	Write/present for a defined context	5	
Elective	<u>252250</u>	Apply fire fighting techniques	3	
Elective	<u>259739</u>	Hand sort material	2	
Elective	<u>116932</u>	Operate a personal computer system	5	
Elective	<u>119567</u>	Perform basic life support and first aid procedures	5	
Elective	<u>242976</u>	Operate overhead/gantry cranes	5	
Elective	<u>9268</u>	Manage basic personal finance	6	
Elective	<u>13217</u>	Collect and use information	5	
Elective	<u>12461</u>	Communicate at work	5	
Elective	<u>259762</u>	Demonstrate an understanding of HIV/AIDS and its impact on the workplace	12	
			<b>Duration</b>	