



CPT

SKILLS DEVELOPMENT SOLUTIONS



Learnerships



Skills
Programmes

National Certificate: Metals Production

NQF 2

SAQA ID.: 65189

General Information

Qualification Title	National Certificate: Metals Production
SAQA Qualification ID	65189
NQF Level	NQF 2
Minimum Credits	120
Primary ETQA	MerSETA
Registration Status	Registered

Purpose of the Qualification

This qualification is for any individual who is, or wishes to be, involved in a metals production environment and be able to perform a range of activities to operate and maintain process equipment for a particular process or operation within a specific metals production environment. Such processes or operations will include extracting, melting, refining, casting, rolling, shearing, forging and other metallurgical processes. In general, individuals at this level in the metal production environment will operate a furnace, casting machine or a converter among other process machines or equipment.

These are large and complex machines which require training a learner over an extended period of time before s/he acquires sufficient competence to operate them. An individual acquiring this qualification will be able to contribute towards the smooth and efficient operation of the production processes in the metal production sector.

The core component contains generic competencies covering, inter alia:

- Quality procedures.
- Organisational procedures, health, safety and environmental procedures.
- Preparation, setting-up and operating process equipment.
- Performing first line maintenance.

Rationale for the Qualification

Metals production can be defined as the processing of raw materials into metal products, including value adding processes. The metals production sector constitutes the following industries - iron and steel, aluminium, platinum, chrome and zinc and is characterised by sophisticated processes. Companies within this sector operate in a global competitive and challenging environment. The products produced have to respond to a wide variety of customer requirements and safety, health, environmental, quality and risk management issues.

Typical learners will be persons who wish to become qualified operators in a metals production environment. Many of these will be persons currently operating in this environment who have not received any formal recognition for their skills and knowledge. In terms of the learning pathway, this

is the first in a series of three qualifications for anyone wishing to follow a career in a ferrous or non-ferrous metals production working environment, in a variety of contexts. The qualification will allow this learner to progress to the level of a process controller in a metal production environment by completing the National Certificate: Metals Production at NQF Level 3.

South Africa has a very extensive and highly developed metals production sector. This sector employs a large number of people, is well-established and economically powerful. In terms of transformation in the country, learners will require skills and competencies to gain access to positions within management structures by completing other Qualifications and training. It will be in the interest of the country and the sector to ensure that those who operate in the metals production environment are trained according to this Qualification to improve productivity and efficiency.

This National Certificate: Metal Production at NQF Level 2 supports the objectives of the NQF in that it gives the learner access to a registered qualification. It will ensure that the quality of education and training in the sub-field is enhanced and of a world-class standard. The qualification will allow learners to benchmark their competencies against international standards.

Modules

National Certificate: Metals Production NQF 2			
SAQA ID.: 64189			
Module No.:	Name of Module	Unit Standards	Duration of Module
PoE 01	Preparing and Planning a PoE for assessment	12465	1 Day
Module 1	Communication Skills	119463, 119454, 119460, 119456, 13217, 12461	5 Days
Module 2	Numeric Skills	7480, 9008, 9007	5 Days
Module 3	Life Skills	9009, 7469, 9268	6 Days
Interim Assessments of POE (Learners not Required)			
Module 4	Safety in the workplace	116520, 116533, 115101	5 Days
Module 5	Teamwork	12466, 9322	2 Days
Interim Assessments of POE (Learners not Required)			
Module 6	Engineering Hand Tools	10252	3 Days
Module 7	Metal's Production Process	259720, 259721, 13221, 259722	7 Days
Total Number of Classroom Days:			34 Days
Final Assessments & Practical (Learners Required)			
<i>Please note: We can only accommodate 6 learners per day for practical's</i>			

Core Unit Standards

Unit Standard No.:	Name of Unit Standard	Credits
116520	Apply safety, health and environmental principles and procedures in a workplace	2
116533	Demonstrate basic knowledge and understanding of emergency preparedness and response	2
12466	Explain the individual's role within business	4
10252	Identify, inspect, use, maintain and care for engineering hand tools	6
259721	Perform activities to support a metal production process	20
259720	Plan support activities in a metal production process	10
9322	Work in a team	3
Note: ALL CORE Unit Standards are covered - 47 credits		

Fundamental Unit Standards

Unit Standard No.:	Name of Unit Standard	Credits
119463	Access and use information from texts	5
9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	3
7480	Demonstrate understanding of rational and irrational numbers and number systems	3
9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	3
119454	Maintain and adapt oral/signed communication	5
119460	Use language and communication in occupational learning programmes	5
7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	2
9007	Work with a range of patterns and functions and solve problems	5
119456	Write/present for a defined context	5
Note: ALL FUNDAMENTAL Unit Standards are covered - 36 credits		

Elective Unit Standards

Unit Standard No.:	Name of Unit Standard	Credits
115101	Address workplace hazards and risks	4
13217	Collect and use information	5
12461	Communicate at work	5
12465	Develop a learning plan and a portfolio for assessment	6

259722	Handle and care for materials	4
9268	Manage basic personal finance	6
13221	Perform routine maintenance	8
Note: ELECTIVE unit standards covered equal - 38 credits		

During the Learnership

During the Learnership the learner will be required to attend class for each module. The lecturer is there to assist the learners in their studies to successfully complete the Learnership. The learner will receive the following during the Learnership:

- At the beginning of the Learnership the learner will be supplied with their Portfolio of Evidence and will spend time on the first day of class putting together their Portfolio of evidence so the learner knows how their portfolio works.
- For each module the learner will receive a workbook with the relevant information relating to the Unit Standards for that module.
- The learner will go through continuous assessments during the learnership to make sure all the relevant exercises are completed satisfactorily.
- At the end of the theory part of the learnership a Senior Assessor will conduct the final assessment as well as the practical for the Learnership.

Once the final assessments are completed the Final Assessor will bring all the Portfolios back to the College for Internal Moderation. Once the Internal Moderator is satisfied with the Portfolios CPT will arrange with the relevant SETA to conduct the External Moderation.

The client will be sent a copy of the External Moderation Report showing the final outcome of the Portfolios. CPT will then apply for the Certificates with the relevant SETA on behalf of the client.

Qualification Rules

In order for a learner to successfully enter this learnership, the following must be adhered to:

1. The learner must have a qualification at least one level lower than the respective Learnership they are entering into. For example, if the learner wishes to enter a NQF 3 Learnership then he / she must have an equivalent to a Grade 10 School report or an NQF 2 Qualification in a SIMILAR field as the respective Learnership.
2. The learner must be a South African citizen or a valid work permit with a passport from their country of origin.
3. The Learner will be completing a SETA Learner agreement before commencing on the Learnership. These contracts will be completed with the learner on the first day of class. The learner needs to bring two (2) originally certified copies of their Identification Document as well as two (2) originally certified copies of their Highest Qualification.

Contact Details

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