



CPT

SKILLS DEVELOPMENT SOLUTIONS



Learnerships



Skills
Programmes

National Certificate: Metals Production

NQF 3

SAQA ID.: 64190

General Information

| | |
|------------------------------|---|
| Qualification Title | National Certificate: Metals Production |
| SAQA Qualification ID | 64190 |
| NQF Level | NQF 3 |
| 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. Other learners will be those who have

completed the National Certificate: Metals Production at NQF Level 2. In terms of the learning pathway, this is the second 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 4.

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 3 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 3 | | | |
|--|---|--|---------------------------|
| SAQA ID.: 64190 | | | |
| Module No.: | Name of Module | Unit Standards | Duration of Module |
| PoE 01 | Prepare and Plan a POE for Assessment | | 1 Day |
| Module 1 | Communication Skills | 119472, 119465, 119457, 119467, 253656 | 5 Days |
| Module 2 | Numeric Skills | 9010, 9013 | 5 Days |
| Module 3 | Interpreting Data and Financial Issues | 7456, 9012 | 5 Days |
| Interim Assessments of POE (Learners not Required) | | | |
| Module 4 | Quality in the workplace | 13234 | 5 Days |
| Module 5 | Workplace Interaction | 116720, 12456, 9530 | 5 Days |
| Interim Assessments of POE (Learners not Required) | | | |
| Module 6 | Occupational Health and Safety | 244108, 120329, 259624 | 5 Days |
| Module 7 | Prepare, set-up, operate process equipment & perform first line maintenance | 259697, 259724, 259723 | 7 Days |
| Total Number of Classroom Days: | | | 38 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 |
|--|---|---------|
| 244108 | Apply safety, health and environmental protection procedures in a process plant | 6 |
| 259697 | Prepare, set-up and operate process equipment | 36 |
| 259724 | Prepare for maintenance in a production plant | 5 |
| 259723 | Perform first line maintenance on equipment in the metals production process | 10 |
| 259624 | Control workplace hazardous substances | 4 |
| Note: ALL CORE Unit Standards are covered - 61 credits | | |

Fundamental Unit Standards

| Unit Standard No.: | Name of Unit Standard | Credits |
|---|---|---------|
| 7456 | Use mathematics to investigate and monitor the financial aspects of personal and business issues | 5 |
| 9010 | Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations | 2 |
| 9012 | Investigate life and work related problems using data and probabilities | 5 |
| 9013 | Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts | 4 |
| 119472 | Accommodate audience and context needs in oral / signed communication | 5 |
| 119465 | Write / present / sign texts for a range of communicative contexts | 5 |
| 119457 | Interpret and use information from texts | 5 |
| 119467 | Use language and communication in occupational learning programmes | 5 |
| Note: ALL FUNDAMENTAL Unit Standards are covered - 36 credits | | |

Elective Unit Standards

| Unit Standard No.: | Name of Unit Standard | Credits |
|--|---|---------|
| 116270 | Show understanding of diversity in the workplace | 3 |
| 12456 | Explain and use organisational procedures | 6 |
| 9530 | Manage work time effectively | 3 |
| 13234 | Apply quality procedures | 8 |
| 120329 | Respond to, implement and manage emergencies according to an emergency action plan in a workplace | 2 |
| 253656 | Communicate with Clients | 3 |
| Note: ELECTIVE unit standards covered equal - 25 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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